Baseline Water Quality Data

Inventory and Analysis

Saint Croix National Scenic Riverway



Water Resources Division and Servicewide Inventory and Monitoring Program

National Park Service - Department of the Interior
Fort Collins - Denver - Washington

The National Park Service Water Resources Division is responsible for providing water resources management policy and guidelines, planning, technical assistance, training, and operational support to units of the National Park System. Program areas include water rights, water resources planning, regulatory guidance and review, hydrology, water quality, watershed management, watershed studies, and aquatic ecology.

Technical Reports

The National Park Service disseminates the results of biological, physical, and social research through the Natural Resources Technical Report Series. Natural resources inventories and monitoring activities, scientific literature reviews, bibliographies, and proceedings of technical workshops and conferences are also disseminated through this series.

Mention of trade names or commercial products does not constitute endorsement or recommendation for use by the National Park Service.

Copies of this report are available from the following:

Technical Information Center Denver Service Center P.O. Box 25287 Denver, CO 80225-0287	(303) 969-2130
U. S. Department of Commerce National Technical Information Service 5285 Port Royal Road Springfield, VA 22161	(703) 487-4650

BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

SAINT CROIX NATIONAL SCENIC RIVERWAY

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-95/69

DECEMBER 1995

United States Department of the Interior
National Park Service
Washington, D.C.

EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Saint Croix National Scenic Riverway (SACN) (including the Lower Saint Croix Riverway administered by the Minnesota and Wisconsin Departments of Natural Resources) from six of the United States Environmental Protection Agency's (EPA) national databases: (1) Storage and Retrieval (STORET) water quality database management system; (2) River Reach File (RF3); (3) Industrial Facilities Discharge (IFD); (4) Drinking Water Supplies (DRINKS); (5) Flow Gages (GAGES); and (6) Water Impoundments (DAMS). This document is one product resulting from a cooperative contractual endeavor between the National Park Service's Servicewide Inventory and Monitoring Program, the National Park Service's Water Resources Division (WRD), and Horizon Systems Corporation to retrieve, format, and analyze water quality data for all units of the National Park System containing significant water resources. The primary goal of the project is to provide descriptive water quality information in a manner and format that is both consistent with the goals of the Servicewide Inventory and Monitoring Program and useable by park resource managers. The document provides: (1) a complete inventory of all retrieved water quality parameter data, water quality stations, and the entities responsible for the data collection; (2) descriptive statistics and appropriate graphical plots of water quality data characterizing annual and seasonal central tendencies and trends; (3) a comparison of the park's water quality data to relevant EPA and WRD water quality screening criteria; and (4) an Inventory Data Evaluation and Analysis (IDEA) to determine what Servicewide Inventory and Monitoring Program "Level I" water quality parameters have been measured within the study area. Accompanying the report are disks containing digital copies of all data used in the report, as well as all components of the report (tables, figures, etc.).

The results of the retrievals for the study area from the IFD, DRINKS, GAGES, and DAMS databases located 41 industrial/municipal dischargers; no drinking water intakes; 47 U. S. Geological Survey, U. S. Corps of Engineers, or U. S. National Weather Service water gages (including stream, lake, well, and climate); and 44 water impoundments. The results of the STORET retrieval for the study area yielded 113,022 observations for 628 separate parameters collected by six state and federal agencies at 469 monitoring stations. Of the 469 monitoring stations, 128 were established but contained no data; one contained no data appropriate for statistical analysis; and 67 were used only for monitoring fish tissues or bottom deposits. Seven station types for treated effluent or influent were entered into STORET as estuaries by U. S. EPA Region 5 (12MIWID), resulting in comparisons of water quality data to marine acute standards (SACN 0360, SACN 0362, SACN 0363, SACN 0373, SACN 0424, SACN 0425, SACN 0435). One-hundred-seven stations were located within the park boundary. Most of the sampling stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Forty-eight stations within the study area yielded longer-term records consisting of multiple observations for several important water quality parameters. Twenty-one stations yielding longer-term records within the park are: (1) Namekagon River Near Hayward, WI (SACN 0041); (2) Namekagon River Near Trego, WI (SACN 0068); (3) Namekagon Riv Sth 77 Nr Minong (SACN 0101); (4) St. Croix River Near Dairyland, WI (SACN 0115); (5) St. Croix R at CCC Bridge (SACN 0129); (6) St. Croix River 10 Riverside (SACN 0150); (7) St. Croix River Near Danbury, WI (SACN 0151); (8) Yellow River at Danbury, WI (SACN 0172); (9) St. Croix R at MN-48 Br, 3.5 Mi W of Danbury, WI (SACN 0187); (10) St. Croix R. at Taylors Falls (SACN 0251); (11) St. Croix R. SH-243 at Osceola, WI (SACN 0299); (12) Snake R. at Mouth E of Pine City (SACN 0336); (13) St. Croix River 05 Hudson (SACN 0341); (14) St. Croix River From RR Bridge at Hudson, WI (SACN 0354); (15) St. Croix River at Afton (SACN 0361); (16) St. Croix R. SH-70 E of Pine City (SACN 0366); (17) St. Croix R Dnstrm of MN-212 Br in Stillwater (SACN 0385); (18) St. Croix River at Stillwater, MN (SACN 0388); (19) St. Croix River at Prescott (SACN 0390); (20) St. Croix River at Prescott, WI (SACN 0393); and (21) St. Croix R. USH-10 at Pt Douglas (SACN 0394)[†]. Twenty-seven stations yielding longer-term records within the study area, but outside of the park boundary are: (1) Namekagon Lake 10M NE Cable WI (SACN 0004); (2) Round Lake Near Gordon, WI (SACN 0085); (3) Big McKenzie Lake (SACN 0104); (4) Namekagon R at Namekagon Trail (SACN 0111); (5) Rice Lake Near Spooner, WI (SACN 0120); (6) Gaslyn Lake Near Spooner, WI (SACN 0123); (7) Clam River Near Webster, WI (SACN 0205); (8) Lake: Tamarack 4 Mi S of Duxbury (SACN 0209); (9) Cedar Lake (SACN 0220);

[†]Water quality station location descriptions are verbatim from STORET. Any misspellings and abbreviations in STORET are replicated in this document.

(10) Squaw Lake (Middle) (SACN 0228); (11) Willow R at Hwy A Bridge (SACN 0236); (12) St. Croix River at St. Croix Falls, WI (SACN 0246); (13) Bass Lake (Middle) (SACN 0248); (14) Perch Lake at Deepest Point (SACN 0290); (15) Willow River Below Little Falls (SACN 0304); (16) Apple River Near Somerset, WI (SACN 0305); (17) Kettle River Near Cloverdale, Minn (SACN 0313); (18) Mississippi River by Confluence with St. Croix River (SACN 0380); (19) Lake: Square 3 Mi S of Marine (SACN 0392); (20) Lake: Big Carnelian 4 Mi S of Marine (SACN 0400); (21) Mississippi River Below L&D #2 at Hastings, MN (SACN 0432); (22) Mississippi River At Lock and Dam #2 at Hastings (SACN 0441); (23) Mississippi River at L&D #2 at Hastings, MN (SACN 0443); (24) Miss R. Lock+Dam #2 Hastings, MN (SACN 0444); (25) Lake Rebecca in Hastings (SACN 0445); (26) N Br Sunrise R at MN-95, 4 Mi E of North Branch (SACN 0452); and (27) Rush Creek CR-56 by Rush City (SACN 0455)[††].

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or recording procedures. The reader is advised to read the Introduction for additional caveats in interpreting the exceeded criteria in this report. The results of the SACN water quality criteria screen found 19 parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, cyanide, cadmium, copper, lead, mercury, silver, and zinc exceeded their respective EPA acute or chronic criteria for the protection of freshwater aquatic life. Nitrate, nitrite plus nitrate, cyanide, fluoride, arsenic, beryllium, cadmium, lead, mercury, and nickel exceeded their respective EPA drinking water criteria. Bacteria concentrations (total coliform and fecal coliform) and turbidity exceeded the WRD screening limits for bathing water and aquatic life, respectively. Alkalinity was below the threshold used by the NPS Air Quality Division for determining potential sensitivity to acid deposition (buffering capacity).

Dissolved oxygen concentrations were measured 6,302 times at 182 monitoring stations from 1936 through 1995. Of the 5,879 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 835 observations at 53 monitoring stations were below the 4 milligrams per liter (mg/L) EPA criterion for the protection of aquatic life. The criterion was exceeded in lakes and rivers throughout the study area. About 95 percent of the observations exceeding this criterion were recorded in lakes.

The pH was measured 5,436 times at 218 monitoring stations from 1936 through 1995. Of the 5,011 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 364 observations at 54 monitoring stations were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life). Sixty-six observations were greater than or equal to pH 9.0, and 298 observations were less than or equal to pH 6.5. The highest reported pH was 10.3 SU in Squaw Lake (Middle) (SACN 0228) in August 1988. The lowest pH was 5.1 SU in Twin Lake (South) (SACN 0010) in August 1993.

Turbidity was measured 1,621 times at 137 monitoring stations from 1936 through 1995. Of the 1,198 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 4 observations ranging from 54 to 70 turbidity units (JTU/FTU) in the St. Croix River at Hudson, Wisconsin (SACN 0354); Stillwater, Minnesota WWTP Influent (SACN 0373); Mississippi River Below L&D #2 at Hastings, Minnesota (SACN 0432); and Rush Creek by Rush City (SACN 0455) exceeded the WRD screening criterion of 50 JTU/FTU.

Total coliform concentrations were determined 1,027 times at 25 monitoring stations from 1936 through 1976. Of the 998 observations used in the criteria analysis (see Composite Type Screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 345 observations at 19 stream stations throughout the study area exceeded the 1,000 Most Probable Number per 100 milliliters (MPN/100 ml) WRD screening criterion for bathing water. Fecal coliform concentrations were

[††]Water quality station location descriptions are verbatim from STORET. Any misspellings and abbreviations in STORET are replicated in this document.

determined 2,682 times at 78 stations from 1963 through 1994. Of the 2,680 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 476 observations at 55 stations throughout the study area exceeded the 200 Colony Forming Units/MPN per 100 ml bathing water criterion.

Total alkalinity was determined by low-level (less than 10 milligrams per liter (mg/L) as $CaCO_3$) gran analysis once at ten lake monitoring stations in 1984. Six observations were less than 200 microequivalents per liter indicating sensitivity to acid deposition (SACN 0008, SACN 0064, SACN 0118, SACN 0146, SACN 0171, SACN 0266).

Nitrate concentrations (including dissolved and total as N, and as NO_3) were measured 1,580 times at 126 monitoring stations from 1958 through 1986. Two dissolved concentrations of 32 mg/L as N and 140 mg/L as NO_3 in the Mississippi River below L&D #2 at Hastings, Minnesota (SACN 0432) exceeded the drinking water criteria of 10 mg/L as N and 44 mg/L as NO_3, respectively, in October 1973.

Nitrite plus nitrate concentrations (including dissolved and total as N) were measured 2,125 times at 116 monitoring stations from 1972 through 1995. Of the 2,107 observations used in the criteria analysis (see Composite Type Screen and Remark Code Screen in the Methodology for explanation), a total concentration of 14 mg/L in Beaver Creek (SACN 0466) and a dissolved concentration of 32 mg/L in the Mississippi River (SACN 0432) exceeded the drinking water criterion of 10 mg/L.

Fluoride concentrations (including dissolved and total as F) were measured 866 times at 45 monitoring stations from 1966 through 1986. One total concentration of 5.0 mg/L in the St. Croix River at Prescott, Wisconsin (SACN 0393) exceeded the drinking water criterion of 4.0 mg/L in February 1977.

Total cyanide concentrations were measured 147 times at 17 monitoring stations from 1969 through 1991. Of the 141 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), one concentration of 10 mg/L in the St. Croix River at Stillwater, Minnesota (SACN 0388) exceeded the drinking water criterion of 0.2 mg/L and the acute freshwater criterion of 0.022 mg/L in April 1977.

Arsenic concentrations (including dissolved, suspended, and total) were measured 652 times at 28 monitoring stations from 1969 through 1990. One total concentration of 58 micrograms per liter (µg/L) in the St. Croix River at CCC Bridge (SACN 0129) exceeded the drinking water criterion of 50 µg/L in February 1976.

Beryllium concentrations (including dissolved and total) were measured 62 times at 12 monitoring stations from 1973 through 1986. Seven total concentrations, ranging from 10 µg/L to 20 µg/L in the St. Croix River (SACN 0388, SACN 0393) and the Mississippi River at L&D #2 at Hastings, Minnesota (SACN 0443), exceeded the drinking water criterion of 4.0 µg/L from 1979 through 1981.

Cadmium concentrations (including dissolved, suspended, and total) were measured 881 times at 33 monitoring stations from 1968 through 1991. Of the 406 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 106 observations in the St. Croix River (SACN 0187, SACN 0251, SACN 0354, SACN 0366, SACN 0388, SACN 0393), Mississippi River (SACN 0441, SACN 0443, SACN 0444), Snake River (SACN 0336), and Rush Creek (SACN 0455) exceeded the drinking water criterion of 5.0 µg/L and/or the acute freshwater criterion of 3.9 µg/L.

Copper concentrations (including dissolved, suspended, and total) were measured 976 times at 37 monitoring stations from 1968 through 1992. Of the 971 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 44 concentrations at 16 monitoring stations throughout the study area exceeded the acute freshwater criterion of 18 µg/L.

Lead concentrations (including dissolved, suspended, and total) were measured 901 times at 34 monitoring stations from 1968 through 1991. Of the 881 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 109 concentrations at 17

monitoring stations throughout the study area exceeded the acute freshwater criterion of 82 µg/L and/or the drinking water action level of 15 µg/L. About 60 percent of the observations exceeding the criteria were recorded at three monitoring stations in the St. Croix and Mississippi Rivers (SACN 0388, SACN 0393, SACN 0444).

Mercury concentrations (including dissolved, suspended, and total) were measured 775 times at 33 monitoring stations from 1970 through 1986. Fourteen concentrations in the St. Croix River (SACN 0187, SACN 0246, SACN 0251), Mississippi River at Lock and Dam #2 at Hastings (SACN 0441), and Rush Creek by Rush City (SACN 0455) exceeded the acute freshwater criterion of 2.4 µg/L and/or the drinking water criterion of 2.0 µg/L.

Nickel concentrations (including dissolved, suspended, and total) were measured 750 times at 25 monitoring stations from 1968 through 1986. Two total concentrations of 100 µg/L and 190 µg/L in the Namekagon River near Hayward, Wisconsin (SACN 0041) and the St. Croix River at Taylors Falls (SACN 0251), respectively, exceeded the drinking water criterion of 100 µg/L.

Silver concentrations (including dissolved, suspended, and total) were measured 307 times at 24 monitoring stations from 1969 through 1986. Of the 267 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), one suspended concentration of 10 µg/L in the Mississippi River at L&D #2 at Hastings, Minnesota (SACN 0443) exceeded the acute freshwater criterion of 4.1 µg/L in October 1977.

Zinc concentrations (including dissolved, suspended, and total) were measured 893 times at 34 monitoring stations from 1968 through 1992. Eighteen concentrations in the St. Croix River (SACN 0187, SACN 0251, SACN 0354, SACN 0366, SACN 0385), Mississippi River (SACN 0432, SACN 0441), Snake River East of Pine City (SACN 0336), and Rush Creek by Rush City (SACN 0455) exceeded the acute freshwater criterion of 120 µg/L.

The IDEA conducted for SACN indicates that STORET data exist for all Level I parameter groups in the park. Sufficient quantities of data were retrieved for the required chemical parameters. Much of the data were collected before 1985. Results for 30 of the 127 EPA priority toxic pollutants (consisting of inorganic parameters, general organics, pesticides, and PCBs) were retrieved from STORET.

Surface water resources in the SACN study area include the St. Croix, Namekagon, and Mississippi Rivers; and numerous lakes. Two-hundred-fifty-two miles of the St. Croix and Namekagon Rivers are preserved as part of the National Wild and Scenic Rivers System. The data inventories and analyses contained in this report indicate that surface waters within the study area have been impacted by human activities. Potential sources of contaminants include industrial and municipal wastewater discharges, stormwater runoff, and a wide variety of public and private land uses including recreation, agriculture, forest products management, and commercial/residential development.

TABLE OF CONTENTS

EXECUTIVE SUMMARY v

TABLE OF CONTENTS ix

I. INTRODUCTION 1
- Goal 1
- Purpose 1
- Objectives 1
- Document Overview 2
- Caveats 2
- Key Personnel 3

II. METHODOLOGY 5
- Delineation of Park Study Area 5
- Data Sources 5
- Data Retrieval and Analysis Procedures 7
- Park Unit Databases 8
- Screening Methodologies and Procedures 9
  - STORET Edit Criteria 9
  - Date Screen 10
  - Station Type Screen 10
  - Phase 0 Parameter Screen 11
  - Phase 1 Parameter Screen 11
  - Media Type Screen 11
  - Remark Code Screen 11
  - Composite Type Screen 13
  - Phase 2 Parameter Screen 14
  - Observations/Period of Record Screen 15
- Statistical Definitions 17

III. INTERPRETIVE GUIDE TO WATER QUALITY RESULTS 19
- Overview 19
- Regional Location Map 19
- Water Quality Monitoring Locations Map(s) 19
- Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) 20
- Industrial Facilities Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Table 20
- Representative Mean Annual Hydrograph for Seasonal Analysis 20
- Contacts for Agency Codes Retrieved 21
- Quantity of Data Retrieved by Agency Code 21
- Station Period of Record Tabulation 21
- Parameter Period of Record Tabulation 22
- Station/Parameter Period of Record Tabulation 22
- Station-By-Station Results 22
  - Station Inventory for Station 23
  - Parameter Inventory for Station 23
  - EPA Water Quality Criteria Analysis for Station 23
  - Time Series Plots for Station 24
  - Annual Analysis for Station 25
  - Annual Box-and-Whiskers Plots for Station 25

Seasonal Analysis for Station 25
Seasonal Box-and-Whiskers Plots for Station 26
EPA Water Quality Criteria Analysis for Entire Park Study Area 26
NPS Servicewide Inventory and Monitoring Program
"Level I" Water Quality Inventory Data Evaluation and Analysis (IDEA) 26
Water Quality Observations Outside STORET Edit Criteria for Park 28

IV. WATER QUALITY RESULTS 29
Overview 31
Regional Location Map 32
Water Quality Monitoring Locations Map(s) 33
Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) 42
Industrial Facilities Discharges, Drinking Water Intakes, Water Gages,
and Water Impoundments Table 49
Representative Mean Annual Hydrograph for Seasonal Analysis 53
Contacts for Agency Codes Retrieved 54
Quantity of Data Retrieved by Agency Code 55
Station Period of Record Tabulation 56
Parameter Period of Record Tabulation 63
Station/Parameter Period of Record Tabulation 72
Station-By-Station Results 173
SACN0001 Cranberry Lake 175
SACN0002 Namekagon Lake 177
SACN0003 Namekagon Lake 178
SACN0004 Namekagon Lake 10M NE Cable WI 180
SACN0005 Lake Ree 7 Miles S of Grandview 183
SACN0006 Diamond Lake Inlet 185
SACN0007 18 Mile Cr @Fr371 (30 Yds Dnstr) 187
SACN0008 Twin Lakes (South) 189
SACN0009 Twin Lake (North) @Hwy M 7.5 Mi E of Cable WI 191
SACN0010 Twin Lake (South) @Hwy M 7.5 Mi E of Cable WI 192
SACN0011 Crystal Lake (T44R06Ws32) 193
SACN0012 Crystal Lake (T44R06Ws32) 195
SACN0013 Diamond Lake 197
SACN0014 Twin Lake, North 200
SACN0015 North Twin Lake 202
SACN0016 Rock Lk 9 Mi.SE, of Cable Wisc. 203
SACN0017 18 Mile Cr @Fr374 (200 Yds Dnstr) 205
SACN0018 Coburne Lake 6 Miles SE Drummond 207
SACN0019 Northeast Lake 208
SACN0020 Tahkodah Lake 210
SACN0021 Tahkodah Lake 211
SACN0022 Spring Cr at Section Line 27/34 213
SACN0023 Spring Cr Telemark Rd Ab Ponds 215
SACN0024 Spring Cr Telemark Rd NW Sec 27 217
SACN0025 Spring Cr Telemark Rd Bel Ponds 219
SACN0026 Spring Cr at Abandoned Rd Sec 21 221
SACN0027 Spring Cr Telemark Rd Nr Mouth 223
SACN0028 Spring Cr at Ski Lodge Rd Sec 21 224
SACN0029 Price Lake 226
SACN0030 Cable Lake 228
SACN0031 Namekagon R at STH 63 Bl Cable 230
SACN0032 Big Brook 10 River Road 231
SACN0033 Pacwawong Springs 232

SACN0034 Pacwawong Lk 00 T42R8W S2 233
SACN0035 Silverthorn Lake 234
SACN0036 Namekagon R Adj to STH 63 Seeley 235
SACN0037 Osgood Lake 236
SACN0038 Namekagon River 00 T42R8W S20 237
SACN0039 Phipps Spring 238
SACN0040 Spring Lake 240
SACN0041 Namekagon River Near Hayward, WI 241
SACN0042 Hayward Lake 247
SACN0043 Nelson Lake 248
SACN0044 Indian School Lake 249
SACN0045 Hayward Lake 251
SACN0046 Namekagon R Power Dam at Hayward 253
SACN0047 Namekagon River 20 Bel Hayward 254
SACN0048 Smith Lake 255
SACN0049 Namekagon R Below Rainbow Creek Near Hayward, WI 256
SACN0050 Namekagon R at River Rat Landing Nr Hayward, WI 259
SACN0051 Namekagon Riv @ Cth E 262
SACN0052 Bass Lake 263
SACN0053 Chippanazie Cr @ Ush 63 264
SACN0054 Bass Lake (4010W17) 265
SACN0055 Tranus Lake 267
SACN0056 Hay Cr Twn Rd 3/4 Mi South of F 269
SACN0057 Spring Lake 270
SACN0058 Gull Lake 271
SACN0059 Gull Lake 272
SACN0060 Namekagon Riv Park North of Earl 274
SACN0061 Gardner Lake 275
SACN0062 Namekagon R at STH 63 at Earl 277
SACN0063 Potato Cr 1 Mi Below Dilly Lake 278
SACN0064 (No Name) 279
SACN0065 St Croix Flowage Far Dam 281
SACN0066 Trego Lake 282
SACN0067 Namekagon River at Trego, WI 283
SACN0068 Namekagon River Near Trego, WI 285
SACN0069 Yellow R at STH 53-63 Spooner 291
SACN0070 Spider Lake 292
SACN0071 Webb Lake 294
SACN0072 Yellow River Flowage 296
SACN0073 Yellow River at Hatchery Road 298
SACN0074 Lincoln Lake 299
SACN0075 Spring Creek 301
SACN0076 Couderay R at Cth N Nr Reserve 302
SACN0077 Wilcox Lake 303
SACN0078 Little Casey Lake 305
SACN0079 Leisure Lake 307
SACN0080 St Croix Flowage Near Dam 309
SACN0081 St Croix Flowage 311
SACN0082 Leisure Lake 312
SACN0083 St Croix Flowage Near Dam 313
SACN0084 Yellow River at Tozer Lake Drive 315
SACN0085 Round Lake Near Gordon, WI 316
SACN0086 Round Lake 322
SACN0087 Goose Lake 323

SACN0088 Island Lake 325
SACN0089 Mclain Lake 00 T41R13W S11 326
SACN0090 Mathews Lake 327
SACN0091 Big Casey Lake 328
SACN0092 Yellow River at Kezer Bridge 329
SACN0093 Moose Riv @ Twn Rd Sec 27,44,13W 330
SACN0094 Person Lake 331
SACN0095 Unnamed (4113W15) 333
SACN0096 Bass Lake 335
SACN0097 Little Sand Lake 336
SACN0098 Bass Lake (4013W29) 337
SACN0099 Ellsworth Lake 339
SACN0100 Sand Lake 340
SACN0101 Namekagon Riv STH 77 Nr Minong 341
SACN0102 Mckenzie Lake Near Spooner, WI 349
SACN0103 Yellow River Near Spooner, WI 351
SACN0104 Big Mckenzie Lake 354
SACN0105 Big Mckenzie Lake 361
SACN0106 Unnamed (4213W19) 362
SACN0107 Bass Lake (3914W24) 364
SACN0108 Lipsett Lake 366
SACN0109 Middle Mckenzie Lake 367
SACN0110 St. Croix R at St. Croix Falls 368
SACN0111 Namekagon R at Namekagon Trail 369
SACN0112 (No Name) 380
SACN0113 Unnamed (4014W23) 382
SACN0114 St Croix Riv @ Co Hwy T (Bi Sur) 384
SACN0115 St. Croix River Near Dairyland, WI 385
SACN0116 Rooney Lake 387
SACN0117 Rooney Lake - East Basin 388
SACN0118 (No Name) 389
SACN0119 Rooney Lake - West Basin 391
SACN0120 Rice Lake Near Spooner, WI 392
SACN0121 Benoit Lake 395
SACN0122 Fish Lake 396
SACN0123 Gaslyn Lake Near Spooner, WI 397
SACN0124 Fish L (4-40-14) East Basin 400
SACN0125 Long Lake 401
SACN0126 Gaslyn Lake 403
SACN0127 Webb Lake So Basin at Deep Pt 405
SACN0128 Fish L West Basin (4-40-14) 406
SACN0129 St Croix R at CCC Bridge 407
SACN0130 Desmoines Lake 412
SACN0131 Long Lake Near Deepest Point 413
SACN0132 Webb Lake No Basin at Deep Pt 414
SACN0133 Webb Lake 415
SACN0134 Webb Lake 416
SACN0135 Big Bear Lake 417
SACN0136 Birch Island Lake 419
SACN0137 Hanscom Lake 420
SACN0138 McGraw Lake 422
SACN0139 Sand Lake 424
SACN0140 North Sand Lake 426
SACN0141 Loon Lake 427

SACN0142 Sand L (No) at Deepest Point 429
SACN0143 Mallard Lake 430
SACN0144 Green Lake 432
SACN0145 Twenty Six Lake 433
SACN0146 Round Lake 435
SACN0147 Loon Creek Near Danbury, WI 437
SACN0148 Lake Twenty-Six 439
SACN0149 Eagle Lake 440
SACN0150 St Croix River 10 Riverside 442
SACN0151 St. Croix River Near Danbury, WI 443
SACN0152 Point Lake 455
SACN0153 Staples Lake 457
SACN0154 Stone Lake 459
SACN0155 Austin Lake 461
SACN0156 North Lake 463
SACN0157 Tanda Lake 465
SACN0158 Burlingame Lake 467
SACN0159 St. Croix R at Rapids in St. Croix State Park 469
SACN0160 St. Croix R at Rapids in St. Croix State Park 470
SACN0161 Gull Lake at Deepest Point 471
SACN0162 Bass Lake (4116W13) 472
SACN0163 Connors Lake 474
SACN0164 Johnson Lake 476
SACN0165 Johnson Lake 477
SACN0166 Falk Lake at Deepest Point 479
SACN0167 Love Lake at Deep Point 480
SACN0168 Minerva Lake 481
SACN0169 Devils Lake 483
SACN0170 Love Lake 484
SACN0171 Bricher Lake 486
SACN0172 Yellow River at Danbury, WI 488
SACN0173 Hayden Lake 490
SACN0174 Danbury Flowage 492
SACN0175 St Croix River 09 Danbury 493
SACN0176 Yellow Lake 494
SACN0177 Yellow Lake 495
SACN0178 Yellow Lake Near Center 496
SACN0179 Yellow Lake 497
SACN0180 Lake: Rock 3 Mi SW of Markville 499
SACN0181 Lake: Rock 3 Mi SW of Markville 500
SACN0182 Lit Yellow Lake Near Deepest Pt 501
SACN0183 Lake: Grace 2.5 Mi SW of Markville 502
SACN0184 Lake: Grace 2.5 Mi SW of Markville 503
SACN0185 St Croix R Fishcomposit Abv MN-48 W O Danbury WI 504
SACN0186 St Croix R Fishcomposit Abv MN-48 W O Danbury WI 505
SACN0187 St. Croix R at MN-48 Br, 3.5 Mi W of Danbury, WI 506
SACN0188 St. Croix R at MN-48 Br, 3.5 Mi W of Danbury, WI 571
SACN0189 Lake: Keene 3 Mi SW of Markville 572
SACN0190 Lake: Keene 3 Mi SW of Markville 573
SACN0191 Unn Str at Outlet Benjamin L, 9 Mi SW Markville 574
SACN0192 Unn Str at Outlet Benjamin L, 9 Mi SW Markville 575
SACN0193 Lake: Unnamed (Benjamin) 6 Mi SE of Duxbury 576
SACN0194 Lake: Unnamed (Benjamin) 6 Mi SE of Duxbury 577
SACN0195 Unn Stream at Inlet to Benjamin Lake, Pine Co. 578

SACN0196 Unn Stream at Inlet to Benjamin Lake, Pine Co. 579
SACN0197 Lake: Stevens 3.5 Mi SW of Markville 580
SACN0198 Lake: Stevens 3.5 Mi SW of Markville 581
SACN0199 Lake: Griegs 4 Mi SW of Markville 582
SACN0200 Lake: Griegs 4 Mi SW of Markville 583
SACN0201 Lake: Lena 4 Mi SW of Markville 584
SACN0202 Lake: Lena 4 Mi SW of Markville 585
SACN0203 Lake: Razor 4 Mi SW of Markville 586
SACN0204 Lake: Razor 4 Mi SW of Markville 587
SACN0205 Clam River Near Webster, WI 588
SACN0206 Lake: Little Tamarack 4 Mi W of Markville 590
SACN0207 Lake: Little Tamarack 4 Mi W of Markville 591
SACN0208 Lake: Tamarack 4 Mi S of Duxbury 592
SACN0209 Lake: Tamarack 4 Mi S of Duxbury 593
SACN0210 Lake: McGowan 5 Mi SW of Markville 598
SACN0211 Lake: McGowan 5 Mi SW of Markville 599
SACN0212 Crooked Creek Near Hinckley, MN 600
SACN0213 St Croix R at Clam R 601
SACN0214 St Croix R at Clam R 602
SACN0215 Sand Lake 603
SACN0216 Mud Lake 604
SACN0217 Horse Cr 2.2 Mi South of Horse L 606
SACN0218 Horse Creek 607
SACN0219 Cedar Lake 609
SACN0220 Cedar Lake 611
SACN0221 Three Lakes 2nd Lobe E 3 Lakes 616
SACN0222 Three Lakes W Three Lakes Rd 618
SACN0223 Poplar Lake 620
SACN0224 Ten Mile Creek at Boardman 621
SACN0225 Squaw Lake 622
SACN0226 Willow River Near Boardman, WI 623
SACN0227 Squaw Lake (North End Deep Pt) 625
SACN0228 Squaw Lake (Middle) 626
SACN0229 Lake: Olive 2.5 Mi E of Cloverdale 633
SACN0230 Lake: Olive 2.5 Mi E of Cloverdale 634
SACN0231 Riverdale Flowage 635
SACN0232 Willow River at 140 Avenue 637
SACN0233 Apple R Above Riverdale Flow (1) 638
SACN0234 Willow R 00 Race Branch 639
SACN0235 St Croix Below St Croix Falls 640
SACN0236 Willow R at Hwy A Bridge 641
SACN0237 Apple R 25 Riverdale Flowage 643
SACN0238 Tarbert Lake 644
SACN0239 Lake: Clayton 3 Mi SE of Cloverdale 646
SACN0240 Lake: Clayton 3 Mi SE of Cloverdale 647
SACN0241 Apple R. 1000' Below Riverdale D 648
SACN0242 Osceola Lake 649
SACN0243 Apple River @ Hwy 64 (3) 651
SACN0244 Mounds Pond Middle of Flowage 652
SACN0245 Apple R @ Riveredge Bar Bridge 654
SACN0246 St. Croix River at St. Croix Falls, WI 655
SACN0247 Mounds Pond 88 Yds Above Dam 671
SACN0248 Bass Lake (Middle) 672
SACN0249 Willow R 500 Yds Blw Mounds Pnd 680

SACN0250 St Croix R 08 Abv St Croix F Dm ... 681
SACN0251 St Croix R. at Taylors Falls ... 682
SACN0252 St Croix R. at Taylors Falls ... 694
SACN0253 Bass Lake ... 695
SACN0254 WDNR Fish Hatchery St Croix 001 ... 697
SACN0255 St Croix R Fishcomposit 4-7 Mi N O Taylors Falls ... 698
SACN0256 St Croix R Fishcomposit 4-7 Mi N O Taylors Falls ... 699
SACN0257 Wdnr Fish Hatchery St Croix 002 ... 700
SACN0258 St Croix R Bel St Croix Falls ... 701
SACN0259 Wdnr Fish Hatchery St Croix 003 ... 702
SACN0260 Willow R Below Mound Pond Dam ... 703
SACN0261 St. Croix River at Taylors Falls, MN ... 705
SACN0262 Lake O'Dalles ... 707
SACN0263 Willow R Cth A Blw Mounds Pond ... 708
SACN0264 Somerset Lake ... 709
SACN0265 Apple R @ Apple R. Eatery (4) ... 710
SACN0266 Dike 4&5 Flowage ... 711
SACN0267 Pine Island Lake ... 713
SACN0268 Wolf Lake ... 715
SACN0269 Turtle Lake ... 717
SACN0270 Apple R @ Somerset Camp (5) ... 719
SACN0271 Sand Creek Near Hinckley, MN ... 720
SACN0272 St Croix R 08 WI Intrstate Park ... 721
SACN0273 Apple R. Below Dutchtown (7) ... 722
SACN0274 Apple R Above Dutchtown (6) ... 723
SACN0275 Mill Pond On Willow River ... 724
SACN0276 Apple R W/Bk 140Ft Dnst Footbdge ... 725
SACN0277 Apple R W/Bk 340Ft Dnst Footbdge ... 726
SACN0278 Apple R Westbank Under Hy64 Bdge ... 727
SACN0279 Apple R W/Bank 10Ft Upst Footbdg ... 729
SACN0280 Trade Riv 100 Yds Abv STH 87 ... 730
SACN0281 Apple R @ Somerset Village Park ... 731
SACN0282 WDNR Fish Hatchery Osceola ... 732
SACN0283 Apple R @ Cable Crossing (9) ... 734
SACN0284 Wood River Dam at Grantsburg ... 735
SACN0285 Willow River Belw Mill Pond Dam ... 736
SACN0286 Orr Lake ... 737
SACN0287 Little Falls Lake on Willow R ... 739
SACN0288 Close Slu (St. Croix River) Near Osceola, WI ... 740
SACN0289 Close Slu (St. Croix River) Near Osceola, WI ... 741
SACN0290 Perch Lake at Deepest Point ... 743
SACN0291 Willow R 10 Little Falls Flow ... 745
SACN0292 Little Falls Lake Middle of L ... 746
SACN0293 St. Croix River at Franconia, MN ... 748
SACN0294 St. Croix River at Franconia, MN ... 750
SACN0295 Apple Falls Flowage ... 751
SACN0296 Pine Lake Middle of Lake ... 753
SACN0297 SC 44.8 ... 755
SACN0298 Willow R Slaughterhouse Hole ... 756
SACN0299 St Croix R. SH-243 at Osceola,WI ... 757
SACN0300 St Croix R. SH-243 at Osceola,WI ... 761
SACN0301 Willow R 600 Yd Blw L Falls Dam ... 762
SACN0302 Pine Lake ... 763
SACN0303 Willow R Abv Bifurcation ... 764

SACN0304 Willow River Below Little Falls ... 765
SACN0305 Apple River Near Somerset, WI ... 767
SACN0306 Willow River ... 774
SACN0307 St. Croix River Near Osceola, WI ... 776
SACN0308 Apple Falls Flowage ... 778
SACN0309 St Croix R 08 Nevers Site ... 779
SACN0310 St Croix River Abv Nevers Dam ... 780
SACN0311 Apple R 15 Apple Falls Flowage ... 781
SACN0312 Hay Cr Sec 16 Adj to STH 70 ... 782
SACN0313 Kettle River Near Cloverdale, Minn ... 783
SACN0314 Kinnickinnic River Cth F Bridge ... 785
SACN0315 Kinnickinnic River ... 786
SACN0316 Kinnickinnic River Near River Falls, WI ... 787
SACN0317 Trade R Twn Rd Sec. 9, T36, R19W ... 789
SACN0318 Lake Mallalieu ... 790
SACN0319 St Croix R 07 Apple R Valley ... 791
SACN0320 St. Croix T29N R20W S36 ... 792
SACN0321 Marine Om St. Croix ... 793
SACN0322 St. Croix Flowage ... 794
SACN0323 Lake: St. Croix at Lake St Croix Beach ... 796
SACN0324 Lake: St. Croix at Lake St Croix Beach ... 797
SACN0325 Lake Mallalieu ... 800
SACN0326 St Croix Lake ... 801
SACN0327 St Croix Lake ... 802
SACN0328 Mississippi River at Prescot ... 803
SACN0329 U M 808.5 ... 804
SACN0330 St Croix R at Snake R Mouth ... 806
SACN0331 St Croix R at Snake R Mouth ... 807
SACN0332 Mallalieu Lake ... 808
SACN0333 Mallalieu Lake ... 811
SACN0334 Wood R 1 Mi Above St Croix Riv ... 813
SACN0335 St Croix River 09 at Hwy 70 ... 814
SACN0336 Snake R. at Mouth E of Pine City ... 815
SACN0337 Snake R. at Mouth E of Pine City ... 818
SACN0338 St. Croix River at Marine On St. Croix, MN ... 819
SACN0339 St. Croix River at Marine On St. Croix, MN ... 821
SACN0340 Prescott ... 823
SACN0341 St Croix 05 Hudson ... 824
SACN0342 Marine on the St. Croix ... 826
SACN0343 St Croix River @ Hudson ... 827
SACN0344 St Croix R at Marine-on-St Croix ... 829
SACN0345 Marine-on-St. Croix ... 830
SACN0346 St Croix R at Marine-on-St Croix ... 831
SACN0347 Valley Branch Stream ... 832
SACN0348 SC 19.5 ... 833
SACN0349 SC 16.5 ... 834
SACN0350 SC 8.0 ... 836
SACN0351 St Croix Lake ... 838
SACN0352 St Croix Lake ... 839
SACN0353 St. Croix River From RR Bridge at Hudson, WI ... 840
SACN0354 St. Croix River From RR Bridge at Hudson, WI ... 841
SACN0355 St Croix Lake ... 894
SACN0356 St Croix Lake ... 895
SACN0357 SC 11.3 ... 897

SACN0358 St Croix Riv.Near Miss.Riv.Junct ... 898
SACN0359 Trout Brook ... 899
SACN0360 Andersen Corp. Bayport MN ... 900
SACN0361 St Croix R at Afton ... 901
SACN0362 WSP Allen S King Power Pt ... 902
SACN0363 NSP Allen S King Power Pt ... 903
SACN0364 St Croix R at Afton ... 904
SACN0365 St. Croix River at Afton, MN ... 905
SACN0366 St Croix R. Sh-70 E of Pine City ... 906
SACN0367 St Croix R. Sh-70 E of Pine City ... 909
SACN0368 Prescott ... 910
SACN0369 Lake: Sand 1.5 Mi S of Scandia ... 911
SACN0370 Lake: Sand 1.5 Mi S of Scandia ... 912
SACN0371 Hastings ... 913
SACN0372 Dummy Name ... 914
SACN0373 Stillwater MN WWTP Influent ... 915
SACN0374 Lake: Little 2 Mi NE of Lindstrom ... 917
SACN0375 Lake: Little 2 Mi NE of Lindstrom ... 918
SACN0376 St Croix River 07 Stillwater ... 919
SACN0377 Cowan Cr 1.5 Mi So of County Lne ... 920
SACN0378 Lake: Little Carnelian 6 Mi S of Marine ... 921
SACN0379 Lake: Little Carnelian 6 Mi S of Marine ... 922
SACN0380 Mississippi R. By Confluence With St. Croix R. ... 924
SACN0381 Mississippi R. By Confluence With St. Croix R. ... 926
SACN0382 St Croix River ... 927
SACN0383 Mississippi River at Prescott, WI ... 928
SACN0384 St. Croix R Dnstrm of MN-212 Br in Stillwater ... 930
SACN0385 St. Croix R Dnstrm of MN-212 Br in Stillwater ... 931
SACN0386 SC 23.3 ... 952
SACN0387 Mississippi River 030 Prescott ... 954
SACN0388 St. Croix River at Stillwater, MN ... 955
SACN0389 St Croix R US Hwy 10 Bridge Prescott WI ... 960
SACN0390 St. Croix River at Prescott ... 961
SACN0391 Lake: Square 3 Mi S of Marine ... 984
SACN0392 Lake: Square 3 Mi S of Marine ... 985
SACN0393 St. Croix River at Prescott, WI ... 995
SACN0394 St Croix R. Ush-10 at Pt Douglas ... 999
SACN0395 St Croix R. Ush-10 at Pt Douglas ... 1003
SACN0396 SC0.3 ... 1004
SACN0397 Lower Lk St Croix Comp Sed ... 1005
SACN0398 SC 1.00 ... 1007
SACN0399 Lake: Big Carnelian 4 Mi S of Marine ... 1009
SACN0400 Lake: Big Carnelian 4 Mi S of Marine ... 1010
SACN0401 Prescott ... 1017
SACN0402 St Croix River ... 1018
SACN0403 Lake: South Center at Center City ... 1019
SACN0404 Lake: South Center at Center City ... 1022
SACN0405 Lake: Lily in Stillwater ... 1023
SACN0406 Lake: Lily in Stillwater ... 1026
SACN0407 Mississippi River ... 1027
SACN0408 Lake: North Center at Center City ... 1028
SACN0409 Lake: North Center at Center City ... 1029
SACN0410 Miss River at Hastings Railroad Bridge ... 1030
SACN0411 Big Marine Lake East Bay, Nr Forest Lake, MN ... 1031

SACN0412 Lake: Clear 1.5 Mi SW of Marine 1033
SACN0413 Lake: Clear 1.5 Mi SW of Marine 1034
SACN0414 Lake: Terrapin 1.5 Mi W of Marine 1036
SACN0415 Lake: Mays 1.5 Mi SW of Marine 1037
SACN0416 Big Marine Lake North Bay, Nr Forest Lake, MN 1038
SACN0417 Lake: Mays 1.5 Mi SW of Marine 1040
SACN0418 Lake: Terrapin 1.5 Mi W of Marine 1042
SACN0419 Big Marine Lake South Bay, Nr Forest Lake, MN 1044
SACN0420 031N20W05Cdd Outlet of B Marine at Co Rd 4 1046
SACN0421 Lake: West Boot 9 Mi N of Stillwater 1048
SACN0422 Lake: West Boot 9 Mi N of Stillwater 1049
SACN0423 Spring Lake 1050
SACN0424 Profile Extrusions, Hastings, MN 1051
SACN0425 Hastings MN WWTP Influent 1052
SACN0426 Lake: Bass 4 Mi SW of Marine 1053
SACN0427 Lake: Bass 4 Mi SW of Marine 1054
SACN0428 Mississippi River 1055
SACN0429 St. Croix R Near Steven's Creek 1056
SACN0430 St. Croix R Near Steven's Creek 1057
SACN0431 Miss River at Hastings US Hwy 61 Bridge 1058
SACN0432 Mississippi River Below L&D #2 at Hastings, MN 1059
SACN0433 Lake: Long at Stillwater 1072
SACN0434 Lake: Long at Stillwater 1073
SACN0435 H.D. Hudson Mfg. Hastings, MN 1075
SACN0436 Sunrise R. CSAH-9 at Sunrise 1076
SACN0437 Sunrise R. CSAH-9 at Sunrise 1078
SACN0438 Hastings 1079
SACN0439 Lower Spring Lake 1080
SACN0440 Mississippi River at Lock And Dam #2 at Hastings 1081
SACN0441 Mississippi River at Lock And Dam #2 at Hastings 1082
SACN0442 UM 815.20 1126
SACN0443 Mississippi River at L&D #2 at Hastings, MN 1128
SACN0444 Miss R.Lock+Dam # 2 Hastings,MN. 1132
SACN0445 Lake: Rebecca in Hastings 1152
SACN0446 Lake: Rebecca in Hastings 1153
SACN0447 Mississippi River 1154
SACN0448 Beaver Ck (Cd-3) at N/S Rd Btn S7/8 (T35N,R20W) 1155
SACN0449 Beaver Ck (Cd-3) at N/S Rd Btn S7/8 (T35N,R20W) 1157
SACN0450 Spring Lake 1158
SACN0451 Rock Creek Near Rush City, MN 1159
SACN0452 N Br Sunrise R at MN-95, 4 Mi E of North Branch 1161
SACN0453 N Br Sunrise R at MN-95, 4 Mi E of North Branch 1167
SACN0454 North Branch Sunrise River Near North Branch, MN 1168
SACN0455 Rush Creek Cr-56 By Rush City 1169
SACN0456 Rush Creek Cr-56 By Rush City 1182
SACN0457 Ditch to Beaver Ck W of Cr-69 in T35N/R21W/S12 1183
SACN0458 Beaver Ck (Cd-3) at Rd Btn S12, 13 (T35N,R21W) 1185
SACN0459 Beaver Ck (Cd-3) at Rd Btn S12, 13 (T35N,R21W) 1186
SACN0460 Rush Creek Near Rush City, MN 1188
SACN0461 Ditch to Beaver Ck W of Cr-69 In T35N/R21W/S12 1189
SACN0462 Goose Ck at Rd Btn S11/14 3 Mi NE of Harris 1190
SACN0463 Goose Ck at Rd Btn S11/14 3 Mi NE of Harris 1191
SACN0464 Beaver Ck (Cd-3)At Rd Btn S10, S15 (T35N,R21W) 1193
SACN0465 Beaver Ck (Cd-3)At Rd Btn S10, S15 (T35N,R21W) 1194

SACN0466 Beaver Ck (Cd-3) at Rd Btn S3,S10 (T35N,R21W) 1196
SACN0467 Beaver Ck (Cd-3) at Rd Btn S3,S10 (T35N,R21W) 1198
SACN0468 Goose Creek at CSAH-9 2 Mi NW of Harris 1199
SACN0469 Goose Creek at CSAH-9 2 Mi NW of Harris 1201
EPA Water Quality Criteria Analysis for Entire Park Study Area 1202
NPS Servicewide Inventory and Monitoring Program
"Level I" Water Quality Inventory Data Evaluation and Analysis (IDEA) 1205
Water Quality Observations Outside STORET Edit Criteria for Park 1211

V. APPENDICES 1213
A. Computer Files Transmitted With Park Baseline Water Quality Data Inventory and Analysis A-1
B. Water Quality Database File Structures B-1
Parameter Data File B-1
Water Quality Station Data File B-4
Industrial Facilities Discharges File B-6
Drinking Water Intakes File B-9
Water Gage File B-12
Water Impoundment File B-14
RF3 Structure File B-18
RF3 Trace File B-22
Catalog Unit Boundary File B-23
Encyclopedia File B-24
C. STORET Water Quality Control/Edit Checking C-1
D. STORET Administrative Parameters D-1
E. STORET Parameters Not Suitable for Statistical Analysis E-1
F. National EPA Water Quality Criteria Summary F-1
G. Inventory Data Evaluation and Analysis (IDEA) Servicewide Inventory and Monitoring Program "Level I" Parameter Groups G-1
H. Literature Cited H-1
I. Selected General Water Quality References I-1

INTRODUCTION

The National Park Service's (NPS) Organic Act of 1916 states that the mission of the NPS is to promote and regulate the use of national parks, monuments, and other units "... to conserve the scenery and the natural and historic objects and wildlife therein and to provide for the enjoyment of the same in such a manner and by such means as will leave them unimpaired for the enjoyment of future generations." One task embodied by this mission is preserving and protecting water resources and water dependent environments in parks. Ensuring the integrity of park water quality, due to its importance in sustaining natural, aquatic park ecosystems and supporting human consumptive and recreational use, is fundamental to successfully addressing this task. The first step in ensuring the integrity of park water quality is defining historic and extant water quality.

This document represents one product of an ongoing effort by the NPS Water Resources Division (WRD) and the Servicewide Inventory and Monitoring Program to characterize baseline water quality using existing data at park units containing significant natural resources. This effort was initiated in 1993 by the award of a contract to Horizon Systems Corporation to retrieve, format, and analyze surface water quality data from the Environmental Protection Agency's (EPA) Storage and Retrieval (STORET) database system. The scope of work identified in the Request For Proposals outlined several sequential, interrelated project phases, including, but not limited to: (1) determining the water quality retrieval/query area around each park; (2) downloading and assessing the quality of the data from STORET; (3) generating basic water quality summary statistics and graphic plots; (4) reformatting water quality data for compatibility with the park-based Water Quality Data Management System presently under-development; and (5) providing recommendations concerning possible hardware, software, and personnel options for storing combined park databases in a centralized NPS water quality database. This report documents the results of phases one through four of this effort for this park unit.

Goal

The goal of this document is to provide descriptive water quality information in a format usable for park planning purposes (eg. Water Resources Management Plans, Resource Management Plans, and General Management Plans). The report is designed to characterize baseline water quality rather than assess specific water quality problems at a park. This is consistent with the Servicewide Inventory and Monitoring Program's goal of obtaining basic, "Level I", water quality parameters for key waterbodies at each park (National Park Service 1993). Consequently, this report is best used as a reference document to help design new goal-driven water quality monitoring programs rather than as conclusive evidence of previous or existing water quality problems.

Purpose

The purpose of this report is to inventory existing park water quality data; establish baseline water quality at the park; identify potential water quality problems; and establish a park water quality database. This report is intended to enable park resource managers to compare and contrast water quality data collected as part of ongoing inventory and monitoring programs with historical water quality trends. Additionally, this report is intended to foster better designed park-based water quality inventory and monitoring programs in the future. The water quality databases which accompany this report will also lay the groundwork for establishing a NPS water quality database that will allow Regions and Washington Offices to generate regional and national assessments of park water quality.

Objectives

Specific objectives of the study documented in this report are to:

1. Retrieve water quality and related data from the EPA's STORET and other database systems;

2. Develop a complete inventory of all retrieved data;

3. Produce descriptive statistics and appropriate time series and box-and-whiskers plots of water quality data to characterize period of record, annual, and seasonal central tendencies and trends;

4. Compare water quality data with relevant national EPA water quality criteria on a station-by-station and study area basis;

5. Determine the presence and/or absence of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameters within the study area; and

6. Reformat water quality and other related data for use in the park-based Water Quality Data Management System, presently under-development, and other appropriate analytical tools.

Document Overview

This report is comprised of five chapters. The first chapter, this Introduction, provides a brief statement of the study's background; goal, purpose, and objectives; and the key personnel who helped produce the document. This chapter also contains this brief overview of the document's contents and important interpretive caveats to consider when referring to and using this document. The second chapter focuses on the methods, procedures, and databases that were employed to retrieve and analyze water quality data for the park. The third chapter is the user's interpretive guide to chapter four. Chapter three explains how to interpret all the tables and figures presented in chapter four. Chapter four, which likely comprises the majority of the document (unless there isn't much water quality data for the park), contains detailed inventories, descriptive statistics, graphics, and national EPA water quality criteria comparisons characterizing the park unit's water quality data on a station-by-station basis and over the entire study area. This chapter also contains a comparison of park water quality data with the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters and a listing of water quality observations that were outside the STORET edit criteria range. Chapter five, the Appendices, contains more specialized materials such as the file names and database structures included on floppy disk(s) with this report; STORET edit criteria; national EPA water quality criteria; Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters; selected water quality references; and other materials which provide background on the methods, procedures, and databases used or produced by this study.

The water quality and other related data referenced in this report accompany the document on floppy disk. The water quality parameter data file is in DBASE III+[1] format and will be useable in the park-based Water Quality Data Management System presently under-development. The water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and River Reach databases are also in DBASE III+ and/or ASCII format for ready-use in Geographic Information Systems (GIS), Computer-Aided Design Systems, or Desktop Mapping Systems.

Caveats

While intended primarily as a reference document, it is important that users peruse the first three chapters and Appendices of this report to better understand and interpret the results presented in chapter four. As a means for identifying potential areas for more intensive study, comparisons of the park's water quality data with relevant national EPA water quality criteria for appropriate designated uses[2] and with the Servicewide Inventory and

[1]The use and/or mention of specific proprietary hardware or software packages is for informational purposes only and is not intended to connote or denote an endorsement.

[2]The Environmental Protection Agency's Quality Criteria for Water 1995 Final Draft (Silver Book) was the primary source of water quality criteria. In the spirit of the other caveats offered in this section, it is important to recognize that water quality criteria are often revised when new or better information become available.

Monitoring Program's "Level I" water quality inventory parameters have been made. Extreme caution must be exercised in interpreting the results of these comparisons. Observations that exceed water quality criteria may have occurred due to any number of natural or anthropogenic factors, as well as other reasons. For example, STORET is a "user-beware" water quality database system. While there is some rudimentary edit (bounds) checking of any data entered in STORET (See Appendix C), users are basically free to enter their own data. Beyond data entry errors, the possibility of inaccurate data entering the system due to inappropriate measurement techniques, sample mistreatment, and other reasons is a serious concern. Consequently, if observations for a particular parameter frequently exceed the EPA water quality criterion over a prolonged time period, the best approach is to examine in detail the data exceeding the criterion. Questions which should be asked regarding the data include: What water source(s) are manifesting the problem? Does the data make sense? Was it collected by a reputable organization following a sound study plan and employing accepted techniques? If the answers to these questions still cause concern, a specific cause and effect water quality investigation focusing on the parameters of concern may be warranted. Similarly, the absence of particular Servicewide Inventory and Monitoring Program "Level I" water quality parameters from the park only means that no entity or organization has collected and entered this data into the EPA's STORET database. Too frequently, data that are collected in and around NPS units never make it into the EPA's national water quality database. These data may exist in published or unpublished reports, file cabinets, or other databases. Before definitively concluding that no baseline data exist for a particular parameter, these alternative resting grounds for data should be investigated. Such a detailed exploration, however, was beyond the scope of this study.

Key Personnel

Many individuals contributed to the design and implementation of this project. The primary contributors and their roles in the project are briefly mentioned below.

National Park Service, Water Resources Division:

Dean Tucker was the Contracting Officer's Technical Representative responsible for designing, coordinating, and implementing all aspects of this effort.

Gary Rosenlieb provided administrative oversight and was involved in quality control for all tasks related to this project.

Barry Long and Roy Irwin reviewed technical tasks and provided water quality expertise related to data analysis.

Gary Smillie provided hydrologic expertise in the determination of hydrologic seasons.

Jill Minter and Julie Mattick helped prepare the report and write the Executive Summary.

Joe Gregson, Elizabeth Eisenhauer, and Scott Hermsen provided digital cartographic support, both in determining retrieval/query areas and producing graphics.

Randy Siddens uploaded water quality data to STORET prior to report preparation.

Jacquie Nolan designed the cover.

Horizon Systems:

Cindy McKay served as Project Manager for Horizon Systems, performed the initial requirements analysis, and was involved in all quality control tasks related to the project.

Alan Cahoon was responsible for automating the procedures which produced the water quality databases and Water Quality Results chapter.

Vickie Baitinger served as the Production Technician and was responsible for executing the software and procedures to produce the park unit chapters.

Sue Hanson, P.E., provided technical advice for writing this document.

Dr. Jim Loftis was the data quality analyst for the project.

Armando F. Ballofet, P.E., served as the local technical liaison between Horizon Systems and the NPS.

Other National Park Service:

Several other individuals provided invaluable technical review, comments, administrative support, and/or other assistance, including: Dan Kimball, Bill Jackson, Mark Flora, Gary Williams, John Karish, Brendhan Zubricki, Richard Hammerschlag, Randy Ferrin, Gary Vequist, Mike Martin, Kevin Berghoff, and Dyra Monroe.

METHODOLOGY

This section provides an overview of the procedures and criteria used to retrieve and analyze water quality data for each park unit. Generating baseline water quality data inventories and analyses for all NPS units is a monumental task. To accomplish this undertaking given a very limited budget, the procedures employed to produce each report had to be as generic and automated as possible. Consequently, customization of reports to individual park needs and issues was not feasible. Moreover, such customization was beyond the scope of this effort which was simply intended to produce baseline water quality data inventories for all parks rather than customized issue-driven reports. During the procedure-development stages of the project, specifications for the final product evolved, within the context of the aforementioned resource constraints, to focus on comprehensive water quality baseline data inventories and concise, descriptive statistical examinations of the available water quality data for each park unit. Detailed below are the data sources and final methods and procedures that were used to create the baseline water quality inventories, analyses, databases, and other products for each park unit. A thorough understanding of the limitations of the data sources and procedures described in this chapter and the next (Interpretive Guide to Water Quality Results) is a prerequisite to intelligent use of the results presented in this document.

Delineation of Park Study Area

The first step in retrieving water resources-related data for each park was deciding on a procedure to determine the study area boundary. Since water flows through parks, utilizing the park boundary as a simple query/study area was deemed inadequate. On the other end of the continuum, using the entire watershed as the study area was considered superfluous given: (1) the areal extent of certain park watersheds (eg. the entire Mississippi River); (2) the sheer volume of potentially irrelevant data such a large study area could generate; and (3) the resources required to specify the watershed for each park unit. The approach which was ultimately adopted - a modified hydrologic boundary - reflects a compromise between the park boundary and the entire watershed. Thus the study area employed for each park is an area extending at least three miles upstream and one mile downstream from the park boundary. Although these distances are somewhat arbitrary, this approach is easy to automate and was felt to limit the data retrieved, in most instances, to that of most importance to the park. Extending the query area one mile downstream of the park was intended to capture any data immediately downstream of the park which may reflect the quality of the water in the park. A current (as possible) copy of each park's boundary was obtained in digital format directly from the park or digitized from Regional land status maps, U.S. Geological Survey (USGS) quadrangles, or other sources. Using GIS techniques, the boundary was used to create the three miles upstream, one mile downstream buffer. For a few parks with which WRD water quality specialists were very familiar with potential water quality threats and/or valuable sources of data that may lie just outside the study area, the study area may have been tweaked (enlarged) to cover these areas of concern or interest. Unfortunately, a customized study area was not feasible for all park units. Hence, the three miles upstream, one mile downstream buffer was the primary study area employed for most parks. This study area was transferred to the EPA mainframe computer and used as the basis for all water resources-related data retrievals from the data sources described below.

Data Sources

The EPA maintains many mainframe data systems related to national water resources (U.S. Environmental Protection Agency 1992). Six of these data systems were used for this project:

- STOrage and RETrieval System (STORET) - water quality parameter data, locations of sampling stations, descriptive elements about stations and parameters;
- Industrial Facilities Discharge (IFD) - locations of industrial and municipal point source discharge facilities;

- Drinking Water Supplies (DRINKS) - locations of intake pipes for drinking water supplies;
- Water Gages (GAGES) - locations of USGS and other water gages;
- Water Impoundments (DAMS) - locations of most large water impoundments (greater than 10,000 acre feet at normal pool volume) and many smaller impoundments; and
- River Reach File, Version 3 (RF3) - 1:100,000 scale geographical representation of surface waters (rivers, lakes, etc.) with a unique identifier assigned to each surface water segment and connectivity information useful for routing and navigation.

STORET is the national water quality data repository (U.S. Environmental Protection Agency 1989). Water quality data is entered in STORET by public agencies (federal, state, or local) that collect water samples and/or perform laboratory analysis. As such, STORET is a "user-beware" data system. Although the EPA manages the STORET data system and, since November 1983, has imposed some minimum quality control criteria on the data (See Appendix C), data are generated and input to STORET by the "owner" agencies. Consequently, the EPA does not certify any data within STORET. Currently, there are over 800,000 active and inactive sampling stations and more than 225 million observations covering in excess of 13,000 water quality parameters entered in STORET. The earliest data dates back to the turn of the century. Using the bi-monthly update cycle, user agencies may store results of recent monitoring activities in STORET. Included in STORET is USGS WATSTORE water quality data, which is updated on a monthly basis. Although STORET contains a phenomenal amount of data, it is important to note that data exist in STORET only if the collectors decide to upload their data to the system. Since many agencies and researchers do not upload their data to STORET, the absence of water quality data in the system for a particular area doesn't mean that there has never been any water quality data collected for the area. The data may exist in published or unpublished reports, file cabinets, or in agency-specific databases. Identifying and retrieving these other sources of data were beyond the scope of the present effort. All parameter data and water quality station location data downloaded from STORET within the park's study area are included in DBASE III+ format files on disk(s) accompanying this report (See Appendices A and B).

The data within the IFD database are extracted from the EPA's Permit Compliance System (PCS). IFD contains the facility locations of all industrial and municipal dischargers which require a National Pollutant Discharge Elimination System (NPDES) permit to operate. Over 7,100 municipal, federal, and industrial facilities discharging into the waters of the United States are tracked by PCS and IFD. If any industrial facilities discharges exist within the study area, a file in DBASE III+ format documenting a variety of information about each discharge accompanies this report on disk (See Appendices A and B).

The EPA DRINKS database identifies locations of drinking water supply intakes. This file contains data for 850 supplies which serve more than 25,000 people, and 6,800 supplies which serve between 1,000 and 25,000 people. If any drinking water intakes exist within the study area, a file in DBASE III+ format documenting a variety of information about each intake accompanies this report on disk (See Appendices A and B).

The GAGES data originates primarily with the USGS and copies are maintained on the EPA mainframe computer for ease of integration with other EPA national data systems. Although other agency's water gages, as well as some artificial gages, may appear in GAGES, the vast majority of gages are stream gages belonging to the USGS. The GAGES database contains approximately 36,000 records for both active and inactive gaging stations. If any USGS or other agency stream gages occur within the study area, a file in DBASE III+ format documenting several fields of information about each gage accompanies this report on disk (See Appendices A and B).

The Water Impoundment database was originally compiled by the U.S. Army Corps of Engineers in response to a Congressional inquiry on dam safety hazards (GKY and Associates 1990). The EPA subsequently modified the database for use in water quality investigations. Of the 68,155 dams in the database, 2,125 are considered large (impounding 10,000 acre feet or more at normal pool volume). It is important to note that while the database includes entries for 66,030 smaller dams, estimates place the actual number of dams in the U.S. at several million

(including small farm ponds). If any water impoundments occur within the study area, a file in DBASE III+ format documenting several fields of information about each impoundment accompanies this report on disk (See Appendices A and B).

The RF3 data system is a hydrologic database of surface water features across the U.S. (excluding, at present, Idaho, Oregon and Washington, which currently operate a different system - although this data is expected to be converted to RF3 soon, Alaska and Hawaii). RF3 was created primarily from 1:100,000 scale USGS Digital Line Graph data. RF3 is made up of over 3,000,000 individual "reaches". A reach is generally defined as a portion of surface water between two confluences (U.S. Environmental Protection Agency 1993). The linework underlying RF3 contains over 95,000,000 coordinate points. RF3 is designed to facilitate hydrologic routing, identifying upstream and downstream elements, and specifying the exact location of any point on a stream network. RF3 data exists as a series of traces with associated attributes. The EPA project which is producing RF3 is being conducted in three phases: Compilation, Assessment, and Revision. The Compilation phase is complete except for Idaho, Washington, Oregon, and Alaska. The Assessment phase was completed during the first half of 1994; while the Revision phase was begun in March 1994. One important outcome of the Revision phase is that the reach codes which uniquely identify each surface water feature will change. Consequently, these codes should not be used, at this time, as keys for relating other data to RF3. The RF3 data provided with this document is provisional and should be used only to provide a geographic backdrop for the park's water quality data. RF3 data covering each USGS catalog unit (a geographic area representing a single or multiple drainage basin(s), or some other distinct hydrologic feature (U.S. Geological Survey 1982)) touched by the park's study area is included in ASCII export and DBASE III+ formats on the disk(s) accompanying this report (See Appendices A and B).

For additional information on any of these data systems, contact the EPA Office of Water at (202) 260-7028.

Data Retrieval and Analysis Procedures

The six EPA data systems discussed above reside on the EPA mainframe computer located in Research Triangle Park, N.C. Horizon Systems used a dedicated, leased telephone line with a data transfer rate of 9600 bits per second to download data occurring within the park's study area from all the databases. The bisynchronous communication software and hardware provided error checking during all data transfer procedures.

As described above, the park study/query area boundary was used to select the water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and river reaches associated with the park unit. For various reasons, screening criteria (described later in this section) were employed to select appropriate water quality stations, parameters, and observations. Horizon Systems wrote several mainframe programs to automate, to the greatest extent feasible, the STORET data retrieval and storage procedures. Once the data were extracted from the EPA data systems, they were downloaded to a microcomputer for statistical analyses and reformatted into DBASE III+ compatible format.

Specifically, once on the PC, the data were processed to:

(1) Reformat the data into DBASE III+ format and other database structures;
(2) Eliminate questionable data outside the STORET edit criteria ranges (See Appendix C);
(3) Display on a map the location of water quality monitoring stations and other water resources themes;
(4) Determine the frequency of water quality observations by station, parameter, and station/parameter;
(5) Generate descriptive period-of-record water quality statistics in a tabular format;
(6) Generate appropriate descriptive annual and seasonal analyses of the water quality data in a tabular format;
(7) Plot appropriate period of record time series and annual and seasonal box-and-whisker graphs;
(8) Compare the water quality data against relevant EPA national criteria; and

(9) Compare the water quality data against the NPS Servicewide Inventory and Monitoring Program's "Level I" water quality parameters.

Special customized microcomputer programs (primarily written in Clipper and Microsoft Professional BASIC) and procedures were created to address each of these tasks. All reformatted database files are included on disk(s) accompanying this document. The contents of these databases are described briefly below. Complete database structures are included in Appendices A and B. The descriptive water quality tabular statistics (see "Statistical Analyses" below) were computed based upon NPS specifications. Command or batch files were generated to drive STATGRAPHICS 7.0 in order to produce all the time series and box-and-whiskers plots.

Park Unit Databases

Up to seven digital databases in DBASE III+ and other formats have been created for the park by querying the water resources-related data sources described above. The disk(s) containing these databases accompany the report. The contents of each of these databases are discussed briefly below. More detailed documentation of these databases is included in Appendices A and B.

(A) Water Quality Parameter Data: This database includes all the water quality parameter data downloaded from STORET that passed the STORET Edit Criteria, Date, Station Type, and Phase 0 Parameter screens (described below) and is summarized tabularly and graphically in this document. This constitutes the park's baseline water quality data. Since it is already in digital format, more sophisticated analysis of the data is possible than the descriptive statistics and graphics presented here.

(B) Water Quality Station Locations: This database consists of the STORET header information describing each station where water quality data was collected. As the latitude and longitude of the station are included in the database, this file is easily imported into the park's GIS.

(C) Industrial Facility Discharge Locations: This database includes any industrial or municipal point source discharges located within the park's study area. As the latitude and longitude of each discharge facility are included in the database, this file is easily imported into the park's GIS.

(D) Drinking Water Intake Locations: This database includes any drinking water intakes located within the park's study area. As the latitude and longitude of each intake are included in the database, this file is easily imported into the park's GIS.

(E) Water Gage Locations: This database includes water (stream, lake, estuary, well, spring, climate, or other) gages located within the park's study area. Most of the gages will likely be stream gages belonging to the USGS. As the latitude and longitude of each gage are included in the database, this file is easily imported into the park's GIS.

(F) Water Impoundment Locations: This database includes any water impoundments (dams) located within the park's study area. As the latitude and longitude of each impoundment are included in the database, this file is easily imported into the park's GIS.

(G) River Reach Data: This database includes all stream traces (1:100,000 scale) and attributes for reaches falling within any USGS catalog unit that touches the park's study area. The traces are geo-referenced in ASCII format. The attributes are in both ASCII export and DBASE III+ formats. This information is also readily incorporated into the park's GIS.

The absence of any of these seven files from the disk(s) accompanying the report indicates that there was either no data of this type within the park's study area or the data was unavailable. Several other files are included on the disk(s) accompanying this report, including digital copies of all the figures and tables contained in the document and some other items. Refer to Appendices A and B for detailed documentation of these files. Not included on

disk is an Encyclopedia File (for WRD reference) that documents the minimum and maximum values for each water quality parameter and the parks in which those values were recorded. When Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks, this Encyclopedia File will be available upon request from the NPS WRD.

Screening Methodologies and Procedures

Developing automated or semi-automated procedures to produce baseline water quality inventories and analyses for all national park units required constant testing and debugging of procedures. Three parks, Rock Creek Park, Yellowstone National Park, and Indiana Dunes National Lakeshore, were used to pilot test and refine the automated procedures. It became evident, after a preliminary analysis of all the downloaded STORET data, especially for Indiana Dunes National Lakeshore, that the specifications for the graphical analyses could generate hundreds (possibly thousands) of plots, many of which would not necessarily be useful. Also, there were many stations; parameters; and/or observations downloaded that were not part of the study's objectives; not overly useful; or of dubious quality. In order to reduce the number of graphical plots (time series, annual and seasonal box-and-whiskers) to fit within project resources, various screening criteria were investigated. Ultimately, a comprehensive set of screening criteria were developed to reduce the number of graphical plots. After initial counts of the total number of possible time series and annual and seasonal box-and-whiskers plots were generated, these counts were used to decide which screening criteria would be applied to limit the number of these plots produced for the park unit. Additional screening criteria were employed to restrict the tabular descriptive statistics results to only those deemed useful to the park. Table A provides the categories of screening criteria and to which analyses the screens were applied. A "yes" entry in the table means that the screening category eliminated or prevented data from appearing in certain tables and plots contained in the document. Consequently, in understanding how data from STORET was used in this report, it may be helpful to keep in mind the three general types of screening criteria: (1) screens that apply to stations; (2) screens that apply to certain parameters at stations; and/or (3) screens that apply only to particular observations of parameters at stations. A detailed description of each of the screening criteria categories follows this table. *It is important to note that statistics in "Inventory" reports may not be consistent with statistics in "Overview" reports since different categories of screening criteria were applied*. Also, if attempting to replicate the results of the statistical and graphical analyses presented in this document, be sure to follow the same screening methodologies.

STORET Edit Criteria

As mentioned previously, STORET is a "user-beware" data system. As the EPA doesn't certify any data in STORET, public agencies enter and are responsible for the quality of their own data. Only data entered since November 1983 have been subjected to any rudimentary edit/bounds checking. Agencies entering data since this date can elect to override the edit/bounds checking for individual observations. USGS WATSTORE water quality data is entered into STORET without any EPA edit/bounds checking to ensure data integrity between WATSTORE and STORET. Unfortunately, during the course of our pilot tests, erroneous USGS and EPA water quality data values were discovered. In order to eliminate as much "bad" data as possible, all water quality data downloaded from STORET was subjected to automatic edit/bounds checking (STORET Edit Criteria contained in Appendix C) for the 190 most common parameters. Observations falling outside the STORET Edit Criteria were documented (See the Water Quality Observations Outside STORET Edit Criteria for Park section in the Water Quality Results chapter) and then retained or discarded from the database and all tables and plots based on whether the value was judged as being in the realm of possibility. Although the STORET Edit Criteria screen likely removed some "bad" data for these common parameters, the probability of other erroneous data in the database is high. Be sure to consult the Caveat section in the Introduction.

Table A. Categories of Screening Criteria and to Which Output Products They Apply (A "yes" Entry Means the Screening Category Eliminated or Prevented Data From Being Used in the Product):

Screening Category	Data Download	Overview Tables	Inventory Tables	Annual Tables	Seasonal Tables	Standards Tables	Plots (All)
STORET Edit Criteria	yes	yes	yes	yes	yes	yes	yes
Date	yes	yes	yes	yes	yes	yes	yes
Station Type	yes	yes	yes	yes	yes	yes	yes
Phase 0 Parameter	yes	yes	yes	yes	yes	yes	yes
Phase 1 Parameter	no	no	yes	yes	yes	yes	yes
Media Type	no	no	yes	yes	yes	yes	yes
Remark Codes	no	no	yes	yes	yes	yes	yes
Composite Type	no	no	yes	yes	yes	yes	yes
Phase 2 Parameter	no	no	no	no	no	no	yes
Observations/Period of Record	no	no	no	yes	yes	no	yes

Date Screen

Every water quality observation in STORET typically has a sampling date associated with it. Unfortunately, STORET does not prevent users from entering incorrect dates. Consequently, any water quality observation with an incorrect and/or suspect date (eg. a month greater than 12; a day greater than 31; or a sample date later than the STORET retrieval date) were discarded.

Station Type Screen

STORET contains data from a wide variety of stations classified by the type of waterbody in which samples were collected. As this project's purpose was to inventory and analyze surface-water quality, the following surface-water station types were retrieved (clarification provided in parentheses):

Station Types Included In Retrieval
(a) STREAM
(b) CANAL
(c) LAKE
(d) RESERV (Reservoir)
(e) SPRING
(f) FWTLND (Fresh Water Wetland)
(g) SWTLND (Salt Water Wetland)
(h) ESTURY (Estuary)
(i) OCEAN

Ground water and/or other station type data may have been retrieved if the entering agency classified the station type incorrectly. Rectifying this error was beyond the scope and resources of this project.

Phase 0 Parameter Screen

Nearly all water quality parameters associated with each station type listed above were retrieved. The only exception to this was the exclusion of most of the STORET administrative parameters. A complete list of STORET administrative parameters is included in Appendix D. The few administrative parameters that were included in the retrievals are as follows:

Code	STORET Administrative Parameter Description
00027	Code No. for Agency Collecting Sample
00028	Code No. for Agency Analyzing Sample
00063	Sampling Points, Number of In a Cross Section
00111	Ratio of Fecal Coliform to Fecal Streptococci
00115	Sample Treatment Code (1=Raw, 2=Treated)
34772	NPDES Number, Cross Reference
45580	Method of Analysis
74065	Stream Flow Class
74066	Annual Runoff
74067	Soil Classification
74068	Water Quality Designated Use Classification

Phase 1 Parameter Screen

Some of the data retrieved from STORET was not suitable for statistical or graphical analysis. Consequently, this screening criterion eliminated all parameters which were not suitable for statistical or graphical analysis within the context of this project. The full list of these parameters is presented in Appendix E. Examples of parameters excluded from statistical and graphical analysis include the administrative parameters mentioned above, land use acreage, encoded values, dates, latitude/longitude, etc. Excluded parameters do, however, appear in the Parameter Period of Record and Station/Parameter Period of Record (two of the "Overview" Tables), as well as in the water quality parameter file included on disk(s) accompanying this report.

Media Type Screen

Water quality samples can be taken in a variety of aqueous media. Water quality data were retrieved from STORET only if the media were WATER or VERT (vertically integrated). WATER and VERT samples comprise the overwhelming majority of samples in STORET. The media screen eliminated the following water quality sampling media:

Media Screen	Description
BOTTOM	Sampled At the Bottom
DREDGE	Sampled By Dredge
PORE	Pore Sample
CORE	Core Sample

Remark Code Screen

STORET enables the agency collecting water quality samples to provide a qualifying remark for each parameter observation. These remarks provide additional information about the measured or observed value entered into STORET (See Appendix B - Parameter Data File for a complete listing and description of all remark codes). Based on the STORET remark codes, two potential screens were applied to water quality observations based on whether the measured value was used in subsequent analyses: (1) Elimination or (2) Modification/Inclusion.

Elimination:
Non-composite water quality parameters with the remark codes presented in Table B were eliminated from the period of record, annual, and seasonal descriptive statistics and graphics. Not including observations with these remarks was justified by the fact that most of the remarks: (A) indicate either less confidence in the measured value; (B) are remarks for nominal or categorical data that doesn't lend itself to statistical analysis; or, (C) complicate the statistical analysis beyond the scope of this effort. Observations containing these remark codes comprise a very small fraction of the data. Although statistical analyses weren't undertaken on this data, all water quality observations, regardless of remark code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to eliminate all non-composite observations with the remark codes presented in Table B.

Table B. Non-composite Parameters With the Following Remark Codes Were Eliminated From Statistical and Graphical Analysis:

Remark Code	Description of STORET Remark Code
F	Female Species.
J	Estimated, Not the Result of Analytic Measurement.
M	Presence Verified, But Not Quantified, Below Quantification Limit. For Species, Male. For Oxygen Reduction Potential, Indicates Negative Value.
N	Presumptive Evidence of Presence.
O	Analysis Lost.
V	Analyte Was Detected In Sample and Method Blank.
W	Less Than Lowest Value Reportable Under Remark "T".
Z	Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value.

Modification/Inclusion:
Water quality parameter observations with the remark codes presented in Table C were halved prior to inclusion in period of record, annual, and seasonal descriptive statistics and graphics. These remark codes deal with observations that were below the detection limit for the parameter. The common water quality data analysis convention for these remark codes is to use half of the detection limit in statistical analyses (Ward, Loftis, and McBride 1990; Gilbert 1987). Although this is a somewhat defensible treatment of observations below the detection limit, the statistics that may be computed using these halved values may not be defensible. Consequently, any computed statistics in inventory, annual, or seasonal tables that are comprised of 50% or more K, T, and U remark codes are footnoted "Computed with 50% or more of the total observations as values that were half the detection limit." This will provide the user with some caution in using and interpreting these results. Water quality data included on disk(s) accompanying this report that may have these remark codes are stored as the original entry (detection limit). If you re-analyze this data in order to replicate the results presented here, be sure to substitute half the detection limit value in the database whenever these remark codes are encountered.

Table C. The Value of Water Quality Parameters With the Following Remark Codes Were Halved (Half of the Detection Limit Entered In STORET) Prior to Inclusion In Descriptive Statistics and Graphics:	
Remark Code	**Description of STORET Remark Code**
K	Off-scale Low, Actual Value Not Known, But Known to Be Less Than Value Shown.
T	Less Than Detection Criteria.
U	Analyzed For But Not Detected, Value is Detection Limit For Process Used. If Species, Undetermined.

Composite Type Screen

Sometimes data entered in STORET represent something other than a single measurement at one location at one point in time. These samples are typically referred to as composite samples due to the fact that they vary temporally and spatially. Consequently, the observation entered into STORET for composite data is typically a computed value that summarizes the data over time and/or space. Such data complicate statistical and graphical analyses and must be handled separately. Such treatment was beyond the scope of this study; although composite values typically represent only a fraction of STORET observations. The composite type screen eliminates all composite observations from statistical and graphical analyses, except those with a composite type code of "A" that have a one day or less sampling period and those with a composite type code "D". All water quality observations, regardless of composite type code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to exclude all composite observations except those with a code of "A" that have a one day or less sampling period and those with a code of "D". Table D presents a list of possible STORET composite type codes.

Table D. Possible STORET Composite Type Codes

Composite Type Code	STORET Composite Type Description
A	Average
H	Maximum
L	Minimum
N	Number of Observations
#	Number of Observations
S	Standard Deviation
U	Sum of Squares
V	Variance
C	Coefficient of Error
X	Coefficient of Variance
E	Skewness
F	Kurtosis
Z	Number of Obs. That Exceed An Established Limit
%	Precision
$	Accuracy
B	N/A
D	Indicates Replicate Sample

Phase 2 Parameter Screen

Due to budgetary limitations, the number of graphical plots (time series, annual and seasonal box-and-whiskers) produced had to be manageable - typically no more than 100 total plots. After scrutinizing the results of the pilot tests and the Baseline Water Quality Data Inventory and Analysis Reports produced for the first group of parks, the 19 parameters which, typically, were the most frequently measured at nearly all stations were water temperature, stage, discharge, and various meteorological measurements (See Table E). Consequently, most of the graphical plots produced would be of water temperature, stage, discharge, and meteorological conditions. Although these are important parameters, particularly in conjunction with other water quality parameters, it was felt that plotting resources would be better allocated to other water quality parameters. Consequently the STORET parameter codes listed in Table E never generated graphical plots. It is important to note, however, that these parameters are included in all other aspects of the project, including all applicable period of record, annual, and seasonal descriptive statistics tables.

Table E. Frequently Measured STORET Codes That Were Prevented From Generating Plots	
STORET Parameter Code	**STORET Parameter Description**
00003	Sampling Station Location, Vertical (Feet)
00010	Water Temperature (Degrees Centigrade)
00020	Temperature, Air (Degrees Centigrade)
00021	Temperature, Air (Degrees Fahrenheit)
00025	Barometric Pressure (MM of HG)
00032	Cloud Cover (Percent)
00035	Wind Velocity (Miles Per Hour)
00036	Wind Direction in Degrees from Trun N (Clockwise)
00040	Wind Direction (Azimuth)
00045	Precipitation, Total (Inches Per Day)
00046	Precipitation, Total (Inches Per Week)
00052	Humidity, Relative (Percent)
00061	Stream Flow, Instantaneous (CFS)
00065	Stream Stage (Feet)
81903	Depth of Bottom of Water @ Sample Site (Feet)
82553	Rainfall In 1 Day Inclusive Prior to Sample (Inches)
82554	Rainfall In 7 Days Inclusive Prior to Sample (Inches)
82371	Rainfall In 3 Days Inclusive Prior to Sample (Inches)
82372	Rainfall In 14 Days Inclusive Prior to Sample (Inches)
85599	Precipitation, Total/Period-Rain Equivalent (Cm/Sample)

Observations/Period of Record Screen

Despite never plotting water temperature, stage, discharge, and meteorological measurements, the number of plots generated by some parks still exceeded the 100 plot limit. Also, some rationale was needed to plot only those parameters with sufficient data density to make a meaningful statistical graphic. For example, time series plots comprised of only a few observations or annual or seasonal box-and-whiskers plots with limited observations and/or data in only one or two years or seasons are not very informative. Consequently, a number of plotting criteria were developed to limit the number of time series and box-and-whiskers plots to, at most, 100 informative graphics by using each parameter's number of observations and period of record. Similar, albeit less stringent criteria, were used for including results of annual and seasonal analyses in descriptive statistics tables. Consequently, there are more summaries of annual and seasonal results in tables than in graphics. Whenever an entry in an annual or seasonal table generated a plot, this entry was footnoted to notify the reader of the presence of the graphic. Due to differing quantities of data at parks, different screening criteria were employed. The same

criteria for appearance in seasonal and annual tables were used for all parks. Table F presents the least stringent plot screens.

Table F. Least Stringent Plot Screening Criteria Used to Limit the Number of Plots Generated

Time Series: To generate a time series plot, a station/parameter combination must have a period of record of at least 2 years and a total of at least 8 observations. Annual Analysis: To generate an annual box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive. Seasonal Analysis: To generate a seasonal box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.

The exact three plot screens used varied by park unit and are documented in the Overview section of the Water Quality Results chapter. If your park's plotting criteria deviated from these least stringent criteria, it is because too many plots would have been generated using these criteria.

The criteria used for appearance of station/parameter combinations in annual and seasonal analysis tables are presented in Table G. These tabular criteria, which are actually the least stringent plotting criteria, were constant from park to park.

Table G. Criteria Used for Generating Entries in Annual and Seasonal Analysis Tables

Annual Analysis: For an entry to appear in an annual table, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive. Seasonal Analysis: For an entry to appear in a seasonal table, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.

Statistical Definitions

Since this report is intended only to characterize historical and/or existing water quality at the park rather than address specific water quality problems, only simple descriptive statistics are presented. Inferential and non-parametric statistical analysis to examine relationships and trends were beyond the scope of the study. The complete water quality dataset is provided on disk accompanying this report to afford the opportunity for more detailed exploratory data analysis. The descriptive statistics are included in the inventory, annual, and seasonal tables. Table H provides a brief definition of each descriptive statistic provided for each parameter at a station.

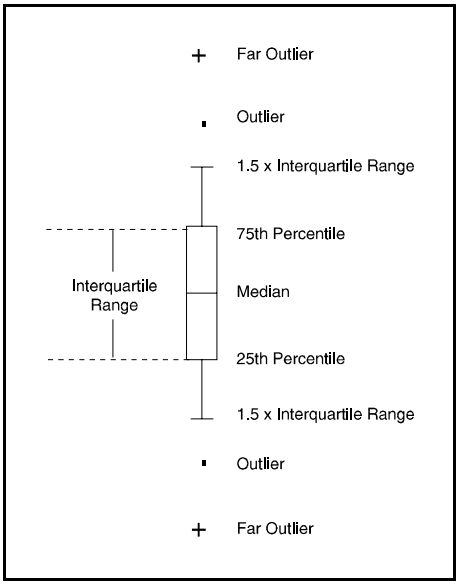
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

Observations:	The number of samples collected.
Median:	The median is the 50th percentile or the value in a dataset sorted in ascending order that exceeds 50% of all observations, yet is also exceeded by the remaining 50% of all observations.
Mean:	The sum of all observations collected divided by the number of observations.
Maximum:	The maximum value observed.
Minimum:	The minimum value observed.
Variance:	This is a measure of variability or dispersion of the observations; or, in other words, describes how many observations are close (or far), from the mean. It is calculated as the weighted average of the squared deviations from the mean.
Standard Deviation:	The positive square root of the variance.
10th Percentile:	The value in a dataset sorted in ascending order that exceeds 10% of all observations, yet is itself exceeded by the remaining 90% of all observations.
25th Percentile:	The value in a dataset sorted in ascending order that exceeds 25% of all observations, yet is itself exceeded by the remaining 75% of all observations. The 25th percentile is also known as the first quartile.
75th Percentile:	The value in a dataset sorted in ascending order that exceeds 75% of all observations, yet is itself exceeded by the remaining 25% of all observations. The 75th percentile is also known as the third quartile.
90th Percentile:	The value in a dataset sorted in ascending order that exceeds 90% of all observations, yet is itself exceeded by the remaining 10% of all observations.

As with the tabular descriptive statistics, the scope of the project limited the generation of exploratory graphics to time series plots and annual and seasonal box-and-whiskers plots. Plots were only generated, however, provided the parameter met or exceeded the relevant plotting criteria specified in the previous section.

Time series plots display the parameter concentration on the Y-axis and the date on the X-axis. This provides the user with a visual feeling for not only the parameter's concentration and variability over time, but also the density of data in different time periods. The time series plots provide a visual representation of the data in the basic station inventory. Due to software limitations, a line connects each measured value in sequence regardless of the time period between samples. Readers are cautioned not to assume that the concentration of the parameter between any two data points can be represented by a straight line. It is likely that the concentration varied between any two observations, particularly if the observations are separated by a significant time period.

The annual and seasonal box-and-whisker plots provide a graphical overview of the measured data and give the user a better understanding of the data's distribution and possible outliers. In essence, the box-and-whisker plots provide a visual representation of the data contained in the annual and/or seasonal tables. The interpretation of the boxes is provided in the figure to the right. Each box encompasses the middle 50 percent of measured values (from the 75th to 25th percentiles). The difference between the 75th and 25th percentiles is also known as the interquartile range. The horizontal line inside each box is the median or 50th percentile. The lines which extend out from each end of the box are the whiskers. The whiskers extend out from first quartile (25th percentile) and third quartile (75th percentile) to the smallest data point within 1.5 interquartile ranges from the first and third quartiles. Observations that extend beyond the whiskers are known as outliers. Far outliers are observations whose values lie more than three interquartile ranges below the first quartile or above the third quartile. These are designated with plus signs.



INTERPRETIVE GUIDE

TO WATER QUALITY RESULTS

This interpretive guide discusses each of the products presented in the next chapter - Water Quality Results. This chapter highlights how each of the tables and figures were prepared and how they can be used. Each subheading in this chapter corresponds to a particular product in the subsequent Water Quality Results chapter.

Overview

The Overview provides a brief one-page summary of the results of the various database retrievals for both the study area and the park. The study area results include the park results since the study area encompasses the park and all lands and waters within at least 3 miles upstream and 1 mile downstream of the park. Thus, the GIS estimated acreage of the study area should always be greater than the park acreage. The park acreage was computed from the digital boundary that was obtained for the park. More than likely this acreage will differ, perhaps significantly, from the "official" published acreage for the park due to the spatial and temporal accuracy of the digital boundary, treatment of inholdings, and other concerns. The number of STORET stations is the number of locations within the study area and park where an agency monitored (or intended to monitor) water quality. The number of stations with no data reveals the number of stations created in STORET for which water quality data were never entered. The number of stations with no statistical analysis reports the number of stations in the study area and park that contain data not amenable to normal parametric statistics. The number of longer term stations indicates the number of stations in the study area and park with at least 6 parameters having periods-of-record extending 2 years with an average of at least 1 observation per year over the period-of-record. The date of STORET retrieval is the calendar date when Horizon Systems downloaded all the data from STORET. Thus, the report documents all data entered in STORET prior to the retrieval date. Keep in mind that an agency can upload archival data at any time. Consequently, a retrieval date only guarantees that as of that date, this report contains all the data that had been entered into STORET. The period of record is the earliest date for which water quality data exist in STORET for the study area and park up to the date when the most recent data were entered prior to the retrieval date. The number of parameters measured is the number of unique water quality parameters measured within the study area and park and entered in STORET. The number of water quality observations is the sum of the total number of observations across all parameters within the study area and park. The number of industrial/municipal facilities discharges, drinking water intakes, water gages, and water impoundments are the number of each of these entities found within the study area and park. The number of time series, annual, and seasonal plots are the number of these different types of graphics produced by station/parameter combinations within the study area and park using the plotting criteria described in the previous chapter. The hydrologic seasons, described below, are the seasons used for the seasonal water quality data analysis. The time series, annual, and seasonal criteria are the plot and tabular screening criteria described in the previous chapter.

Regional Location Map

The Regional Location Map provides a small scale, general representation of the park and study area location within the United States. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report.

Water Quality Monitoring Locations Map(s)

The Water Quality Monitoring Locations Map(s) usually provides a larger scale representation of the park and study area than the Regional Location Map. This map indicates the locations within the study area where water quality has been monitored and the data entered into STORET. The water quality monitoring stations are labelled sequentially with the rightmost significant digits. The station names were assigned in numerically ascending order by latitude (for parks with a greater north-south extent than east-west) or longitude (for parks with a greater east-

west extent than north-south). Thus, this map serves as a visual index to the water quality data contained in the report. Since the 1:100,000 scale hydrography (from the River Reach File Ver. 3.0 or other sources) is displayed on the map, users can refer to the map to locate the station number on the reach in which they are interested and then find the appropriate section in the report that documents the water quality at that station. If the scale allows, USGS catalog units are also displayed on the map to provide an approximation of drainage basins. More than one Water Quality Monitoring Location map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report. The digital, geo-referenced data files documented in Appendices A and B will allow the park to create water quality monitoring stations as a coverage in their GIS.

Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)

The Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) displays the same information as the Water Quality Monitoring Location Map(s) except the water quality stations are replaced by industrial/municipal facilities discharges, drinking water intakes, active and inactive gage locations, and water impoundments. This map also serves as a visual index allowing the user to determine the identification code of each discharger, drinking intake, gage, or impoundment. This number can then be used to obtain additional information about the entity on the following page of the report or to refer to the more detailed database files accompanying the report on disk. These more detailed database files are geo-referenced (See Appendices A and B), thus allowing the park to create these coverages in their GIS. More than one Dischargers, Drinking Intakes, Gages, and Impoundments map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are also included on the disk(s) accompanying this report.

Industrial Facilities Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Table

This table provides some additional information about each of the discharges, drinking intakes, water gages, and water impoundments displayed on the previous map(s). This information generally includes the site identification number; the station or facility name; an address or some other indication of location; and some other pertinent information. More detailed information about each of these entities is contained in the database files on disk accompanying the report (See Appendices A and B).

Representative Mean Annual Hydrograph for Seasonal Analysis

One component of the water quality data analysis contained in the document is a seasonal analysis of the data (where adequate data exist). In order to undertake this analysis, some representation of the park's seasons was required. Seasons can be based on many factors (eg. hydrologic, climatic, recreational use, etc.). Since project resources did not allow us to contact every park and discuss with resource management staff what appropriate seasons may be for the park, WRD staff elected to adopt primarily a hydrologic/climatic definition of the seasons which uses a process of hydrograph separation to glean seasons from stream discharge patterns. The procedure employed to make these determinations was as follows:

(1) Find the nearest USGS Hydro-Climatic Data Network (HCDN) station (U.S. Geological Survey 1992) to the park that is most representative of streamflow conditions at the park. The HCDN is basically a subset of USGS streamflow stations, including only those stations that are unaffected by artificial diversions, storage, or other disruptions of the natural channel. All HCDN stations generally have at least a 20 year period of record. Consequently, discharge patterns at these stations should reflect only hydrologic and climatic influences. For the most part, selected HCDN sites were typically within 15-20 miles of the park. In some parks where WRD staff were aware of the existence of a stream gage located within the park that would be more representative of park waters even though it wasn't an HCDN site, this gage was selected.

(2) Retrieve the daily discharge values for the selected station from the USGS Daily Values File and generate a mean annual hydrograph and a box-and-whiskers plot of daily flows by month.

(3) Interpret the plots based on our knowledge of the hydrologic regime at these parks and assign seasons.

This approach, used for the majority of parks, assumes that most water quality data at the park will be found in streams and that the discharge pattern of the selected stream is representative of the seasons for all park waterbodies. Although this assumption may be weak for certain parks, project resources did not allow a more thorough investigation. For parks where there wasn't any stream gage (HCDN or otherwise) deemed representative of park waters, precipitation records from a nearby meteorological station were obtained from the National Climatic Data Center. Plotting daily average precipitation and box-and-whiskers of monthly precipitation sums allowed WRD hydrologists to make a rough approximation of climatic seasons for use in analyzing the water quality data.

Again, it is important to note the many ways of defining "seasons" and thus the limitations of the seasonal analysis contained in this document. For certain parks it may be more useful to perform a seasonal analysis with seasons defined by recreational use patterns or some other natural or anthropogenic factor. This option is available to the park since all the water quality data analyzed in this document is contained on disk(s) accompanying this report. Digital, reproducible copies of this seasonal analysis graphic are also included on the disk(s) accompanying this report.

Contacts for Agency Codes Retrieved

This table provides a list of the organizations who have entered data into STORET. A contact name at the organization and a phone number are also supplied. The agency code in the first column is the key for identifying which stations belong to that agency. This code will appear in the first line of each station's inventory. Although the agencies listed in this table are potential partners for future water quality monitoring or management endeavors, don't be surprised if the name of the contact and/or the telephone number is out of date. This information is entered when an agency first creates a station. The agency may not update this information when the initial contact moves on or the telephone number changes. Nonetheless, it is likely that the contact or someone else at the agency may be able to provide you with project reports or other information relative to the agency's data. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Quantity of Data Retrieved by Agency Code

This table displays the period-of-record; numbers of water quality stations, longer-term stations, and stations without data; total number of water quality observations; and the number of unique water quality parameters measured by each agency within the study area and park boundary. Using this table, a park can quickly determine which agencies collect the most data in and around the park and whether they have monitored recently. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station Period of Record Tabulation

The Station Period of Record Tabulation provides a quick overview of the names of all the stations within the study area where water quality has been monitored and data entered into STORET. It also furnishes the total number of observations taken at each station and the frequency of observations between certain dates: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75. The station identification number, the four character park abbreviation code followed by a four digit number, provides the means to jump from a particular station in the table to the statistical and graphical analyses for this station contained in the Station-By-Station Results section. The Station Period of Record Tabulation reveals which water

quality stations were situated within the park as defined by the park's GIS boundary. The Station Period of Record Tabulation also footnotes longer-term water quality stations. Longer-term stations are those that have at least 6 parameters with an average of one or more observations per year for those parameters during a period of record extending at least two years. Note that although a station may not be flagged as longer-term, it can still harbor much important data (albeit for only a few parameters or over a very long term with just a few observations). A digital copy of this table accompanies this report on disk (See Appendices A and B).

Parameter Period of Record Tabulation

The Parameter Period of Record Tabulation provides a complete listing of every water quality parameter ever measured in the study area and entered into STORET. This table is a summation of all the water quality observations for each parameter across all stations in the study area. Like the Station Period of Record Tabulation, the total number of observations for each parameter and the frequency of observations between: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75 are provided. This table is handy for quickly assessing whether particular parameters have been measured in the study area. The Parameter Period of Record Tabulation also shows how many in-park (and total) water quality stations contained data for each parameter. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station/Parameter Period of Record Tabulation

The Station/Parameter Period of Record Tabulation combines the information found in the Station Period of Record Tabulation and the Parameter Period of Record Tabulation. This table provides a listing of all the stations where a particular water quality parameter was measured in the study area and the data entered into STORET. The table provides the start and end dates of the period of record of each parameter at each station; the number of years of measurement (computed from the start and end dates); whether the station/parameter combination occurred within the park boundary; the total number of observations for each parameter at each station, and whether a time series (T), annual (A), and/or seasonal (S) plot was generated for the station/parameter combination in the Station-By-Station Results section. This table is very useful when you need to determine at which locations within the study area (or park) particular parameters were monitored and how much data was collected there. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Station/Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station-By-Station Results

Probably the most voluminous portion of the document is the Station-By-Station Results. Here the results of the water quality analyses for each station are presented in sequence. The results include the station inventory; parameter inventory; EPA water quality criteria analysis; and, as applicable, time series graphics and annual and seasonal tables and box-and-whiskers graphics. Each of these products are discussed below.

Station Inventory for Station

Each station's data commences with its Station Inventory. The Station Inventory provides the descriptive attributes about each water quality monitoring station contained in STORET. This includes a variety of locational information such as a verbal description, the Federal Information Processing codes for county and state, latitude and longitude, and other items; the station type (stream, spring, estuary, etc.); monitoring agency; creation date; indices to the River Reach File; whether the station lies within the park boundary; and several other attributes. This water quality station location data is also contained on disk(s) accompanying the report (See Appendices A and B).

Parameter Inventory for Station

Following the descriptive attributes about a station is the Parameter Inventory for the station. The Parameter Inventory provides a complete inventory and descriptive summary of all the water quality parameter data for the station. This table furnishes the parameter STORET code and name; the period of record for this parameter at this station; and the descriptive statistics defined in the Statistical Definitions in the previous chapter. Three different footnotes can appear on a parameter's descriptive statistics. Two asterisks (**) in the 10th, 25th, 75th, or 90th percentile columns indicates that there was insufficient data to compute these statistics for this parameter. Percentiles were not computed unless the parameter had at least 9 observations. Two number signs (##) next to the number of observations indicates that more than 50 percent of the observations entered into the computations as values that were taken to be half the detection limit. Caution should be employed in interpreting and using statistical results when more than half the values are set to half the detection limit. The letter "p" following a numeric STORET parameter code in the Parameter Inventory indicates that a time series plot was produced for this parameter at this station. Digital, reproducible copies of the Parameter Inventory tables are contained on the disk(s) accompanying this report.

Two downloaded parameter groups, pH and bacteriological, received special treatment whenever descriptive statistics were computed in the Parameter Inventory (as well as subsequent annual and seasonal tables). Whenever pH appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original pH entry; (2) pH computed from conversion to and from $\mu eq/l\ H^+$; and (3) $\mu eq/l\ H^+$. The reason for these conversions is that pH is actually the negative logarithm of the hydrogen ion concentration. To be technically correct in computing descriptive statistics, pH values must be converted to $\mu eq/l\ H^+$ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as $\mu eq/l\ H^+$, the results can be converted back to pH. The three pH entries in the descriptive statistics table will all have the same STORET code.

Whenever a bacteriological parameter appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original bacteriological entry; (2) an entry computed using the log of each measured value; and (3) an entry that simply reports the geometric mean. The reason for converting to logs and displaying the geometric mean is convention. Bacteriological water quality standards typically reference the geometric mean rather than the arithmetic. The three bacteriological entries in the descriptive statistics tables will all have the same STORET code.

EPA Water Quality Criteria Analysis for Station

The EPA Water Quality Criteria Analysis table follows the Parameter Inventory. This table presents a comparison between the station's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. In most cases, the EPA water quality criteria values are single sample concentrations that can be directly compared to single sample STORET entries. There are, however, two notable exceptions to this single sample/single value comparison: ammonia and fecal-indicator bacteria. For these two parameters, criteria are either derived from or depend on the results of other chemical characteristics of the water or require a time series statistical treatment of multiple samples to determine whether the criterion has been exceeded. The EPA ammonia criterion is pH and temperature dependent. To calculate the criterion for each ammonia sample value was beyond

the scope of this project. Consequently, ammonia criteria were not included in Appendix F or the EPA Water Quality Criteria Analyses. Un-ionized ammonia criteria can be determined from formula table values included in the EPA Silver Book (Environmental Protection Agency 1995).

For the purposes of this project, fecal-indicator bacteria data were flagged as exceeding criteria when their concentrations exceeded 200, 1000, 126, and 33 (fresh)/35 (salt) colony forming units or most probable number for single samples of fecal coliform, total coliform, E. coli, and enterococci, respectively. These values represent only approximations of the criteria for primary contact recreation waters where criteria are typically expressed in terms of a geometric mean computed with no less than 5 samples during a given month. When a fecal-indicator bacterial observation exceeds a criterion in the EPA Water Quality Criteria Analysis section, the reader should refer to the corresponding geometric mean calculations in the preceding Parameter Inventory. Long-term geometric means that exceed the respective water quality criteria for multiple samples are more indicative of chronic bacteriological problems than single sample values.

Water quality observations carrying non-detection or below-detection limit remark codes (K, T, and U) required special treatment in the EPA Water Quality Criteria Analysis. As with the statistics in the Parameter Inventory, half the detection limit was the value used in the EPA Water Quality Criteria Analysis. For certain observations, however, half the detection limit may exceed a water quality criterion. For those observations it would be inappropriate to classify them as exceeding a criterion since the actual value wasn't known. Thus, it was decided that any below detection limit or non-detect observations that exceed a water quality criterion using half the detection value would be excluded from the EPA Water Quality Criteria Analysis. If non-detect or below detection limit values are excluded from the EPA Water Quality Criteria Analysis for a particular parameter, the total observations for that parameter will be footnoted with an ampersand (&). This will also explain the difference between the total observations in the Parameter Inventory and the EPA Water Quality Criteria Analysis. Non-detect or below detection limit values are included in the EPA Water Quality Criteria Analysis, however, if half the detection limit doesn't exceed the parameter's criterion.

The EPA Water Quality Criteria Analysis for each station lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis table is a good starting point for assessing potential water quality problems at the station, the reader is strongly encouraged to read the caveat section in the Introduction concerning drawing conclusions about water quality problems from this table. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Time Series Plots for Station

Following the EPA Water Quality Criteria analysis will be any Time Series Plots for each parameter that met the time series plot screening criterion selected for the park unit. If a time series plot is generated for a particular parameter at a station, a "p" will appear next to the STORET parameter code in the Parameter Inventory. If no time series plots are present for the particular station, the data did not meet the time series screening criterion listed in the Overview section of the Water Quality Results chapter. The x-axis on these plots is the period of record, listing only the 2-digit calendar year for clarity (i.e. 1983 is presented as 83). The y-axis is the concentration of the selected parameter in its measurement units. In general, the units for a given parameter are given either on the y-axis or in the parameter description in the subtitle of the graph. Subtitle and/or y-axis parameter descriptions may be truncated on the plots so as to not exceed the maximum number of plotting characters. Y-axis values less than zero are sometimes shown for better representation of the entire plot. The station identification code, parameter description, and parameter STORET code are presented in the main title. The footnote provides a descriptive location name. Observations on the plot are represented as squares. Lines are drawn connecting each successive observation. As mentioned previously in the Statistical Definitions section of the Methodology chapter, the interconnecting line is drawn only for ease of reading and provides no indication of what the actual parameter

values were between the two observed measurements. Digital, reproducible copies of all time series plots accompany the report on disk (See Appendices A and B).

For time series plots of pH, the original pH values are plotted. For time series plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a time series plot for bacteriological parameters is log-linear.

Annual Analysis for Station

If more than 9 observations exist in each of at least 4 years for a particular parameter at a station, an Annual Analysis table will be generated. Entries will be made in the table for each parameter having more than 9 observations in each of at least 4 years. The Annual Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by year, rather than the entire period of record. Although some of the years may not contain 9 observations, these years still have an entry in the table. A parameter needs only to have 9 observations in any 4 years of its period of record to qualify for the Annual Analysis table. Like the Parameter Inventory, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Annual Analysis table that also meet the annual analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Annual Box-and-Whiskers Plots for Station

Entries in the Annual Analysis table that meet the annual box-and-whisker plot screening criterion will generate Annual Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each year of the period of record, even if less than 9 observations were recorded in the year. The axis labeling and plot titling is the same as for the time series plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For annual box-and-whiskers plots of pH, μeq/l H^+ are plotted. For annual box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of an annual box-and-whiskers plot for bacteriological parameters is log-linear.

Seasonal Analysis for Station

As explained above, a park's hydrologic seasons for seasonal water quality analysis were determined using a process of hydrograph separation and other techniques. If a parameter has more than 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years, a Seasonal Analysis table will be generated for the station. The Seasonal Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by season, rather than the entire period of record. Although certain parameters for a season at a station may not contain 9 observations, these parameters can still have an entry in the table. A parameter needs only to have 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years to qualify for the Seasonal Analysis table. Consequently, some of the parameters could have fewer than 9 observations in a particular season but still generate a table entry. Like the Parameter Inventory and Annual Analysis, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Seasonal Analysis table that also meet the seasonal analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Seasonal Box-and-Whiskers Plots for Station

Entries in the Seasonal Analysis table that meet the seasonal box-and-whisker plot screening criterion will generate Seasonal Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each season of the period of record, even if less than 9 observations were recorded in the season. On the x-axis, the seasons are labeled 1 through the number of seasons defined for the park through hydrograph separation. The actual calendar dates that correspond to these numerically labeled seasons exist in the Overview section and the Seasonal Analysis tables in the Water Quality Results chapter. The axis labeling and plot titling are the same as for the time series and annual box-and-whiskers plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For seasonal box-and-whiskers plots of pH, μeq/l H^+ are plotted. For seasonal box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a seasonal box-and-whiskers plot for bacteriological parameters is log-linear.

EPA Water Quality Criteria Analysis for Entire Park Study Area

This table essentially summarizes all the individual station-by-station EPA water quality criteria analyses in the study area. (Refer to the EPA Water Quality Criteria Analysis for Station section above for more detailed information on the treatment of special cases in the EPA Water Quality Criteria Analysis for Entire Park Study Area.) This table presents a comparison between the study area's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. The EPA Water Quality Criteria Analysis for the Entire Park Study Area lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis for the Entire Park Study Area is a good starting point for assessing potential water quality problems at the park, the reader is strongly encouraged to read the caveat section in the Introduction before drawing conclusions about water quality problems from this table. A digital, reproducible copy of this table accompanies the report on disk (See Appendices A and B).

NPS Servicewide Inventory and Monitoring Program
Level I Water Quality Inventory Data Evaluation and Analysis (IDEA)

One of the objectives of this Baseline Water Quality Data Inventory and Analysis project is to perform an IDEA - an Inventory Data Evaluation and Analysis - to determine the presence and/or absence of Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in the park's study area. The Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service (National Park Service 1993) identified the basic water quality parameters displayed in Table I as the parameters that all parks must have for "key" waterbodies (determined on the basis of size, uniqueness, threats, etc.) within park boundaries. Since these parameters can be measured in different ways and with different units, there are multiple STORET codes associated with each parameter; hence the concept of parameter groups. The Strategic Plan distinguishes between those parameter groups required for all parks and parameter groups required only on a case-by-case basis.

The IDEA basically compares the parameters listed in the Parameter Period of Record Tabulation and Station/Parameter Period of Record Tabulation with the "Level I" Servicewide Inventory and Monitoring water quality parameter groups, listed in Table I and in Appendix G, and notes, not only the presence or absence of each parameter group, but the total number of observations for each parameter present in the group; the number of

observations between certain time periods; and the total number of stations within the study area at which the parameter was measured. The total number of different (unique) stations measuring parameters for the group is in parentheses on each parameter group's summary line.

The first page of the IDEA lists the missing Servicewide Inventory and Monitoring Program "Level I" groups. If a parameter group appears on this list, no data for any of the parameters defining the group (See Appendix G) was retrieved for it within the study area. So-called non-priority parameter groups may appear in the missing list. Non-priority parameters are park-specific parameters (case-by-case) which may not be applicable to your park. Consequently, if you believe a particular parameter, not included in IDEA (See Appendix G), to be important for your park, you will have to consult the Parameter and Station/Parameter Period of Record Tabulations to determine the presence or absence of this parameter for the park. Although considered a "Level I" parameter, biological data, obtained through rapid bioassessment or other means, is not considered in this report which deals specifically with surface water chemistry. Following the Missing Level I Group list is the Present Level I Group list which displays the summary results for each Servicewide Inventory and Monitoring "Level I" water quality parameter group that was found.

Table I. Basic "Level I" Water Quality Parameters Identified as Required and Optional By the Servicewide Inventory and Monitoring Program for "Key" Park Waterbodies

Required Parameter Groups:
(1) Alkalinity
(2) pH
(3) Conductivity
(4) Dissolved Oxygen
(5) Rapid Bioassessment Baseline (EPA/State protocols, involving fish and macroinvertebrates)
(6) Temperature
(7) Flow

Case-By-Case Parameters Groups:
(8) Toxic Elements
(9) Clarity/Turbidity
(10) Nitrate/Nitrogen
(11) Phosphate/Phosphorus
(12) Chlorophyll
(13) Sulfates
(14) Bacteria

The last page of the IDEA summarizes the information from the Missing and Present Level I Group lists. This page provides information on the temporal and spatial distributions of the data. Included in this table are the total number of observations for each parameter group; the number of observations since January 1, 1985; the percent of the total observations since January 1, 1985; the number of stations measuring each parameter group; the percent of the total number of stations with data measuring the parameter group; the number of observations per station with data; the period-of-record for this parameter group; and the average number of observations per year of the period-of-record.

In interpreting the results of the IDEA, the reader should first consult the Missing Level I Group list. For the parameter groups listed, there was no baseline water quality data within the study area entered in STORET. Consequently, these parameter groups could be a higher priority for data collection. It is important, however, to realize that data within these parameter groups may have been already collected but not entered into STORET. The resources for this project did not enable us to pursue thorough literature and file cabinet reviews to dredge up

every last iota of data. If data exists for certain Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in a park's file cabinet, it is the park's responsibility to factor that data into their IDEA. Consequently, the listing of a parameter group on the Missing "Level I" Group list is not a WRD endorsement to launch a study to collect these data. The IDEA is intended to simply note that no data exist for these parameter groups in STORET for the park. It is the park's responsibility to ascertain whether such data has already been collected by the park or other entities before embarking on a new study. In fact, in the future the WRD will require that any park study plan proposing to collect baseline water quality data show that they have consulted their Baseline Water Quality Data Inventory and Analysis report and searched in other locations (file cabinets, published literature, etc.) for the data they propose to collect. A similar interpretation springs from the Present "Level I" Group list. Insufficient data density in certain time periods for particular parameter groups is not necessarily cause for launching a new inventory and/or monitoring program. The park should still consult with other potential sources of data. Again, the IDEA is designed to provide only a quick check on data in STORET for the Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups.

Water Quality Observations Outside STORET Edit Criteria for Park

STORET data entered after November 1983 were subjected to rudimentary edit/bounds checking for 190 common parameters (See the STORET Edit Criteria in Appendix C). None of the data entered into STORET prior to that time has been subjected to edit/bounds checking. Moreover, to maintain exact comparability with USGS WATSTORE data, WATSTORE data entered into STORET has never been subjected to the EPA edit/bounds checking. During the pilot test phase of this project, obviously incorrect data was identified from both USGS and other agency data in STORET. As a consequence, all data downloaded from STORET was filtered through the STORET edit criteria to identify parameter observation values that fall outside any edit criterion ranges. This section documents the station name, parameter, date, time, parameter value, agency, and STORET station name of every observation that fell outside the range of an edit criterion. Not all data falling outside an edit criterion are necessarily incorrect. Such data may represent unique or special conditions. Consequently, every observation falling outside a STORET edit criterion was scrutinized to determine, in our best professional judgement, whether the value was in the realm of possibility or obviously incorrect. Water quality observations that appeared to be obviously incorrect are marked with an "X" in the Disposition column of this table. These values were not retrieved or included in any of the inventory tables or graphs. Water quality values outside a STORET edit criterion but within the realm of possibility were retained and included in inventory tables and graphs. The Water Quality Observations Outside STORET Edit Criteria for Park table documents all values that were outside an edit criterion range. This documentation is also necessitated by the fact that agencies can override the STORET edit criteria for individual observations. Although the edit criteria eliminate some potentially "bad" data from the report, the probability of other incorrect data, for both the 190 parameters that are edit/bound checked and all the other STORET parameters that aren't error checked, is high. Readers should consult the Caveat section in the Introduction for guidelines on the use and interpretation of STORET data. The responsibility for correcting these observations rests with the collecting agency.

WATER QUALITY RESULTS

OVERVIEW FOR SACN[1]

Study Area Boundary Description

The study area includes the park and all areas within at least 3 miles upstream of the park unit boundary and at least 1 mile downstream.

	Study Area	Park
GIS Estimated Acreage:	1490226	96801
# STORET Stations:	469	107
# Stations With No Data:	128	32
# Stations With No Stat. Analysis:	1	0
# Longer Term Stations:	48	21
Date of STORET Retrieval:	06/29/95	06/29/95
Period of Record:	07/15/26-04/17/95	01/21/53-10/09/94
# Parameters Measured:	628	533
# Water Quality Observations:	113022	44474
# Industrial/Municipal Facilities:	41	11
# Drinking Water Intakes:	0	0
# Water Gages:	47	9
# Water Impoundments:	44	6
# Total Plots:	133	88
# Time Series:	45	32
# Annual:	48	33
# Seasonal:	40	23

Hydrologic Definition of Seasons:

1. August 15 - November 30
2. December 1 - February 29
3. March 1 - April 14
4. April 15 - August 14

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 18 years and at least 104 observations.

Annual Analysis Criteria:

To be included in the annual box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of at least 12 years.

To be included in the annual analysis tables, a station/parameter combination must have at least 9 observations in each of at least 4 years.

Seasonal Analysis Criteria:

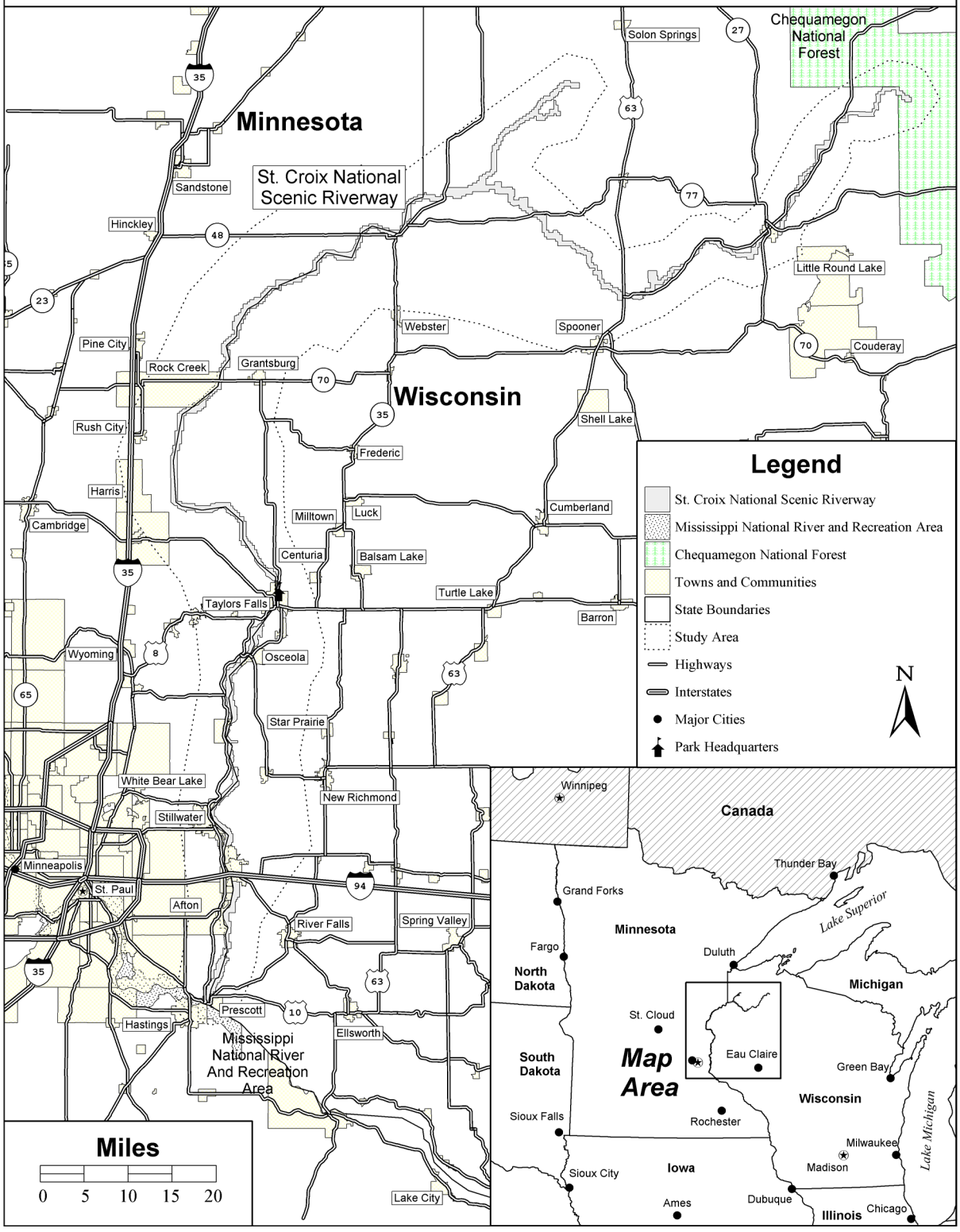
To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 25 years and observations in at least 4 of the 25 years.

To be included in the seasonal analysis tables, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years.

[1]To prepare a Microsoft Word version of this report, data were reprocessed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

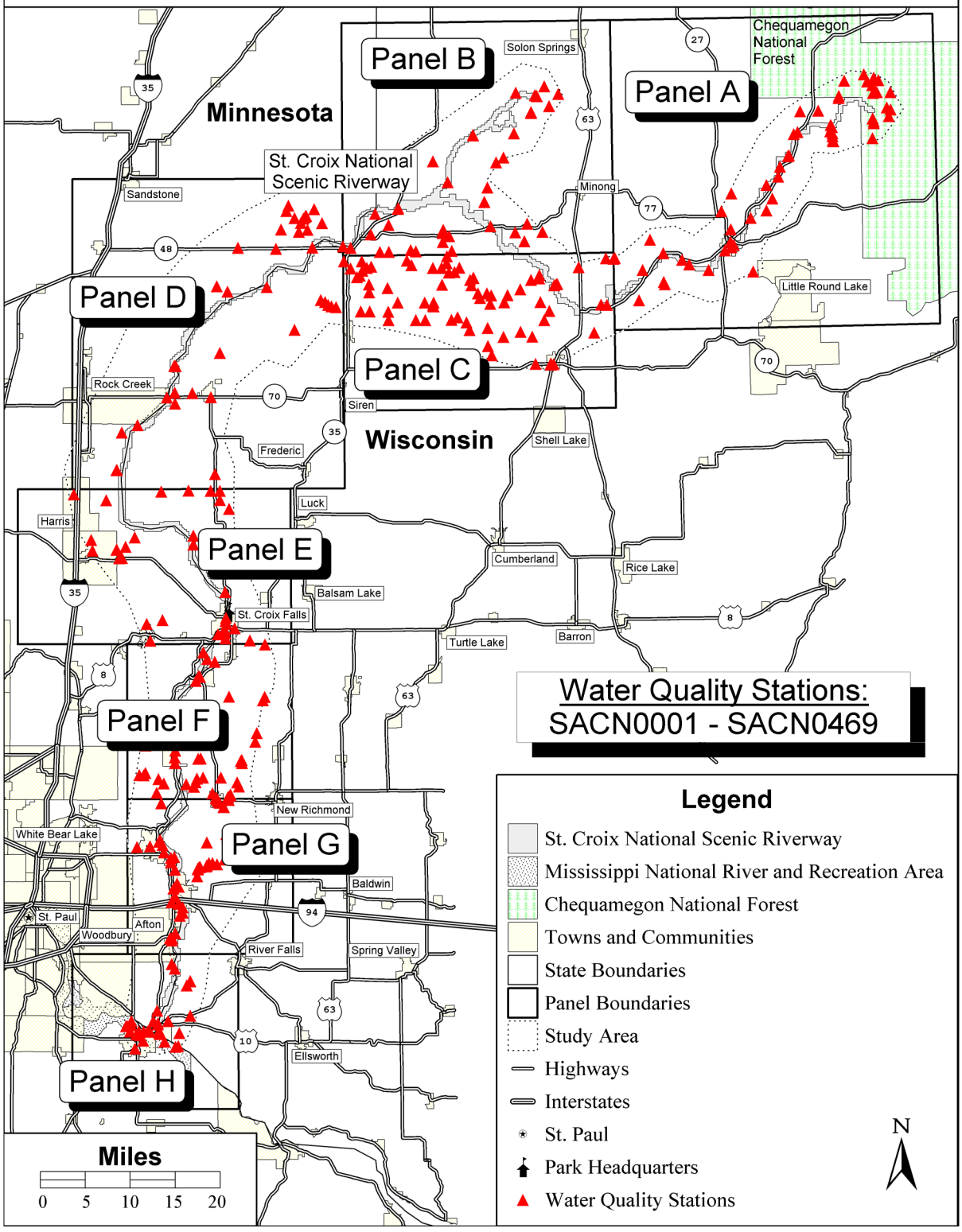
St. Croix National Scenic Riverway

Regional Location Map



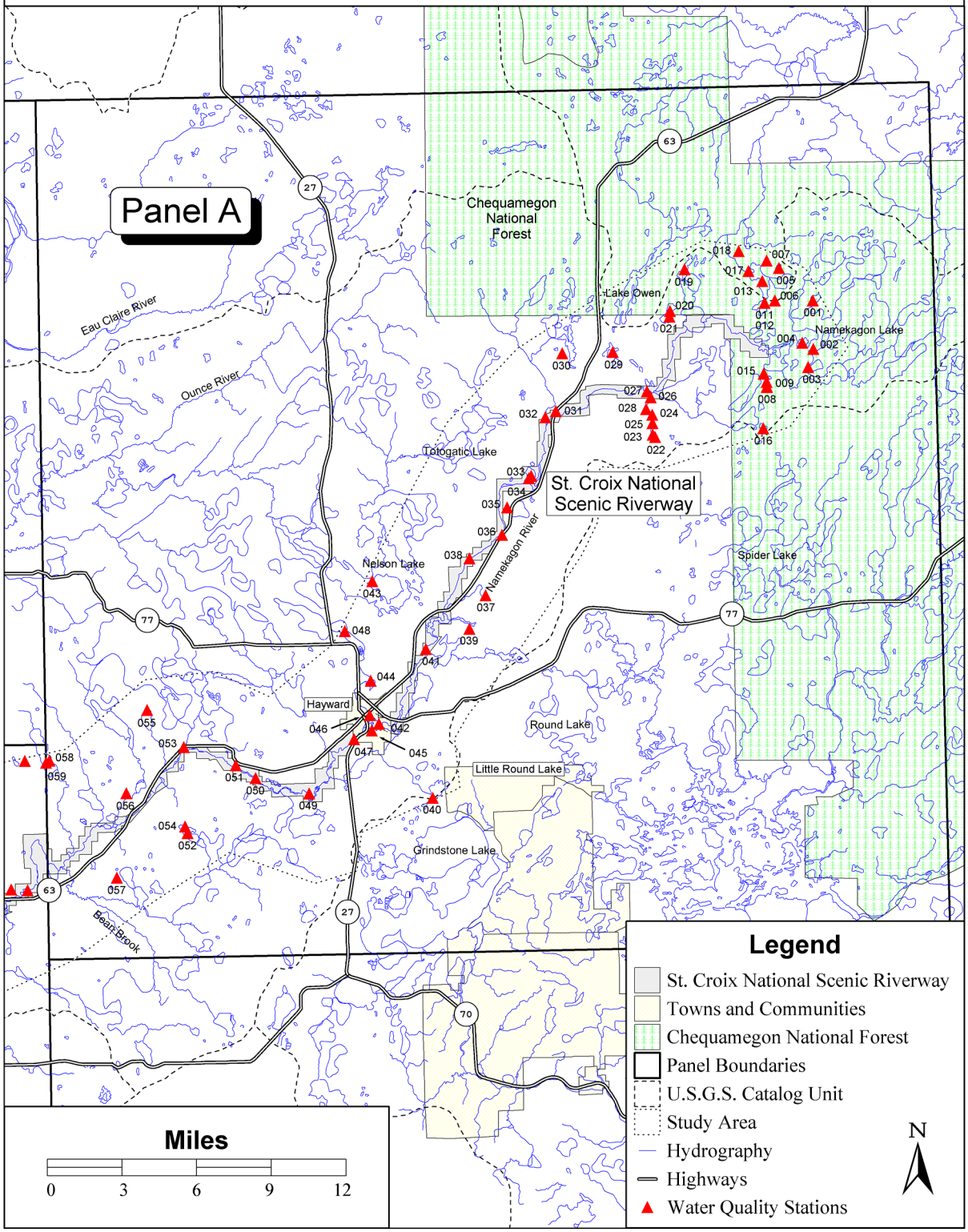
St. Croix National Scenic Riverway

Water Quality Monitoring Locations
Graphic Panel Index



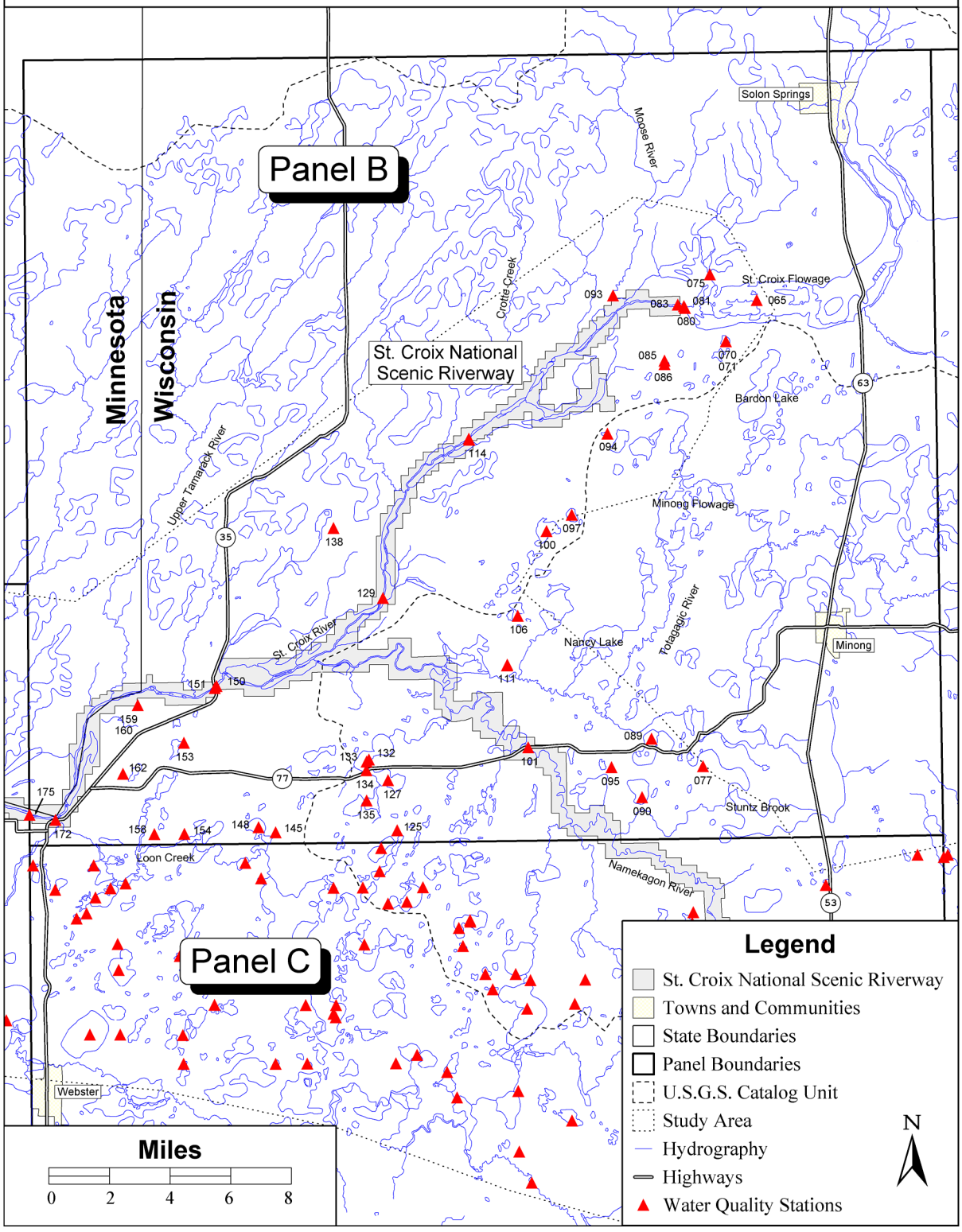
St. Croix National Scenic Riverway

Water Quality Monitoring Locations



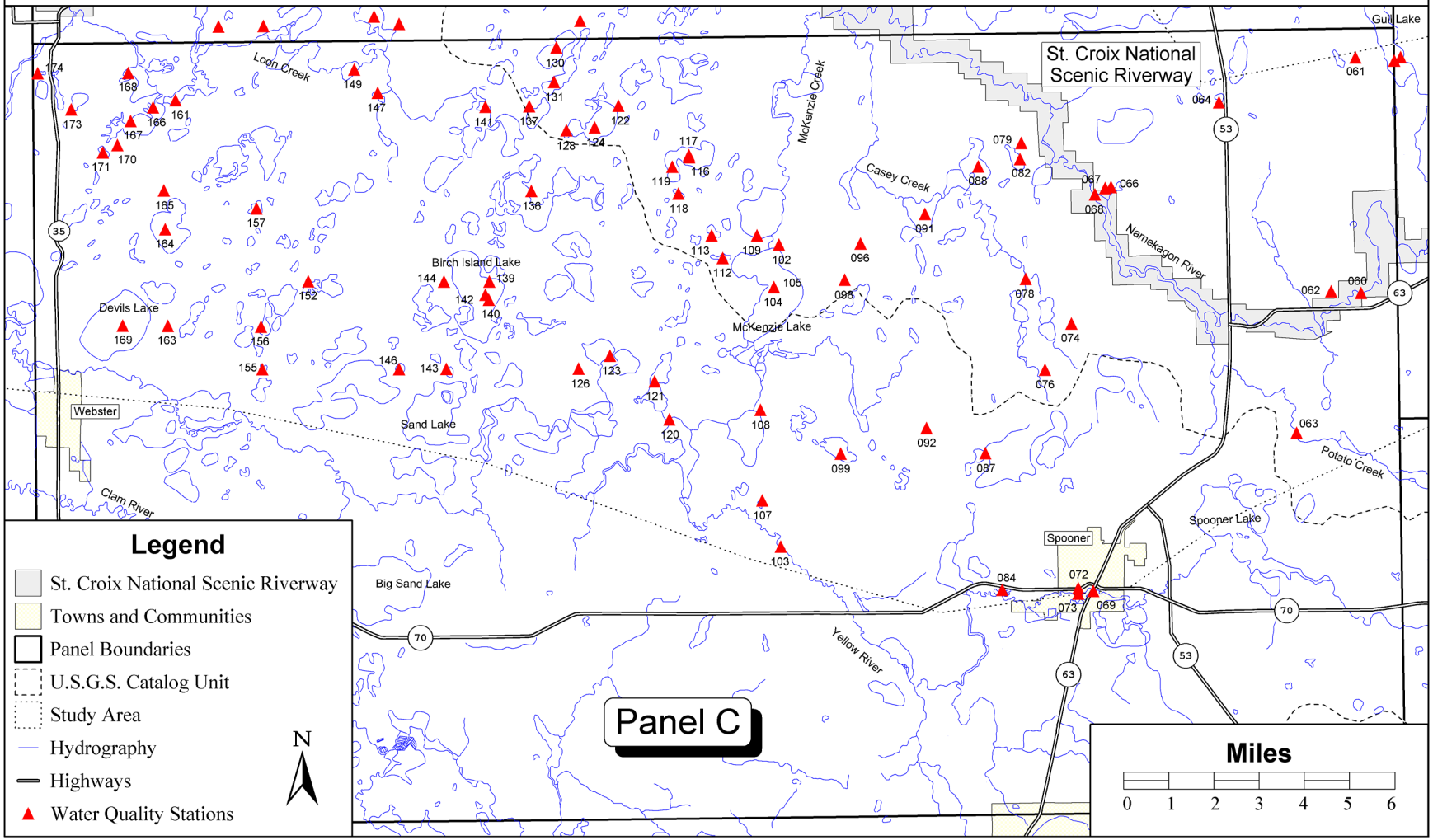
St. Croix National Scenic Riverway

Water Quality Monitoring Locations



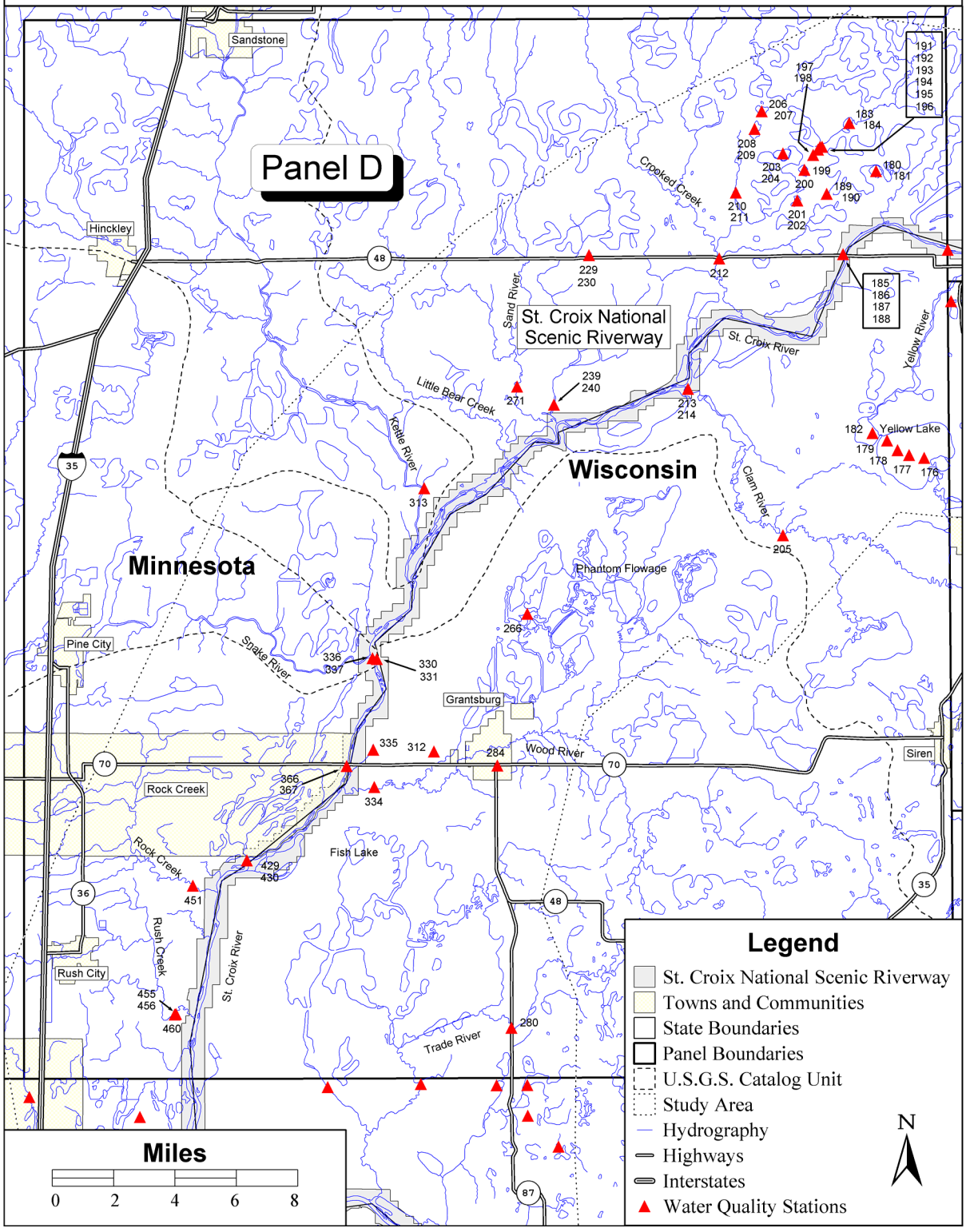
St. Croix National Scenic Riverway

Water Quality Monitoring Locations



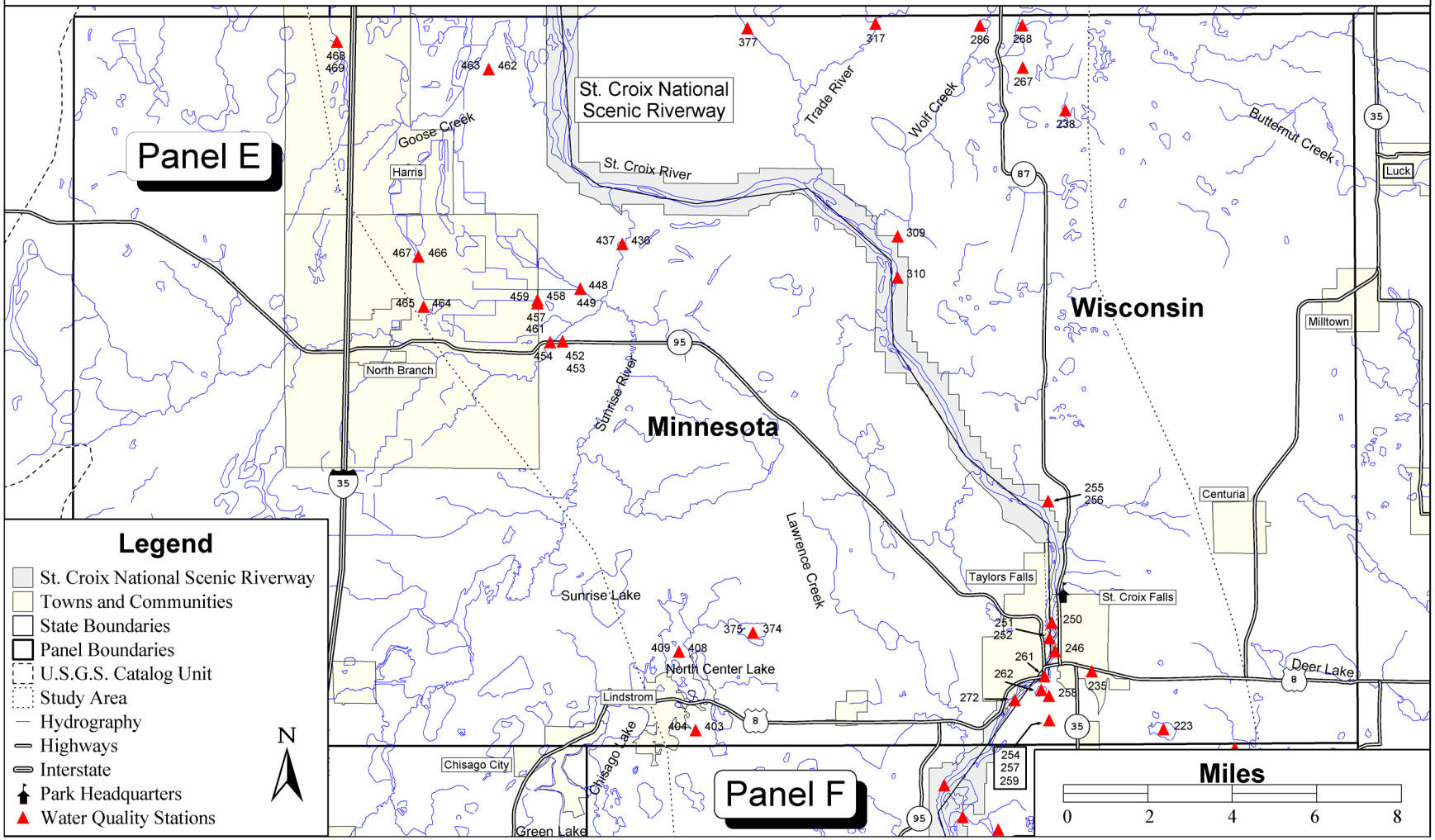
St. Croix National Scenic Riverway

Water Quality Monitoring Locations



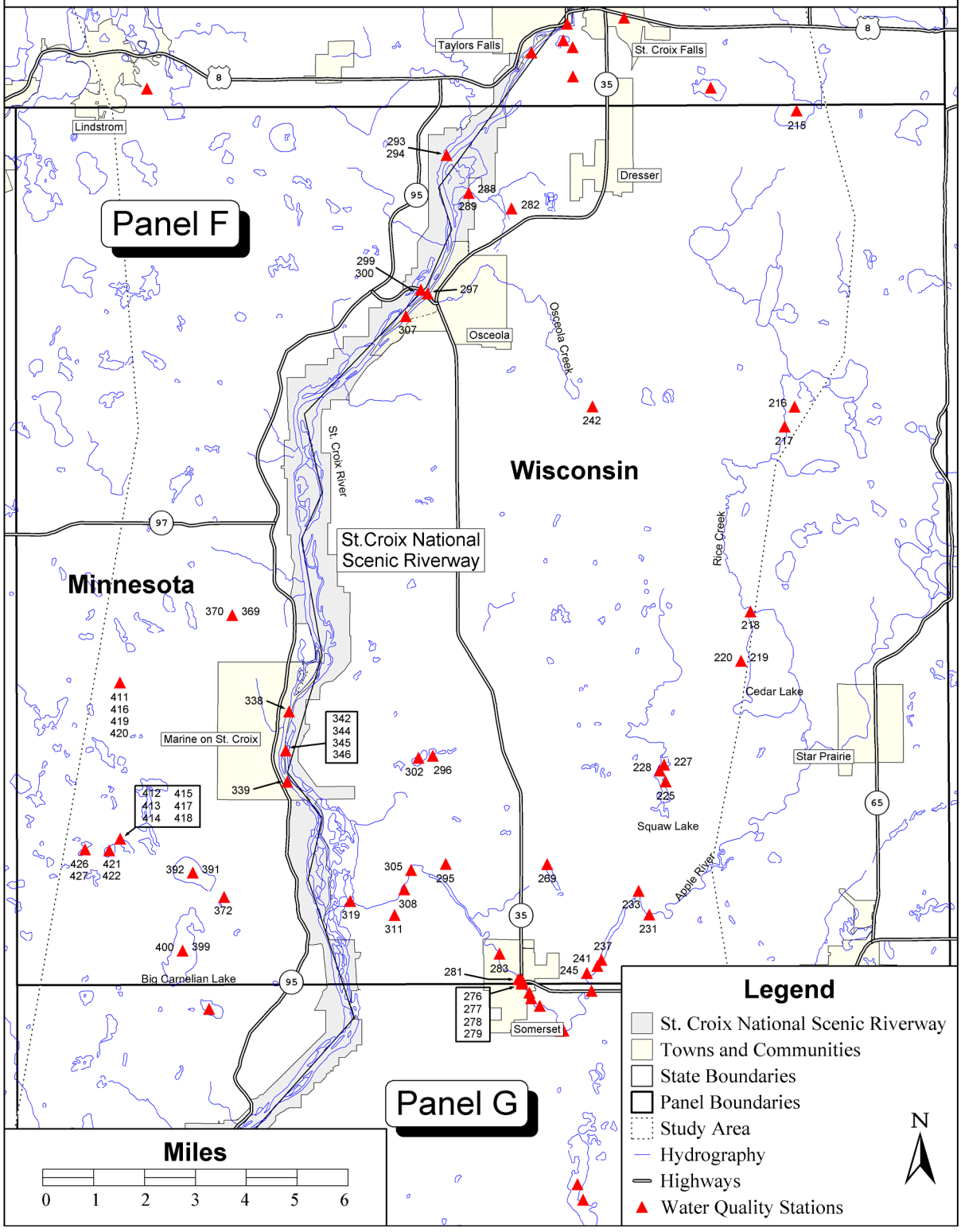
St. Croix National Scenic Riverway

Water Quality Monitoring Locations



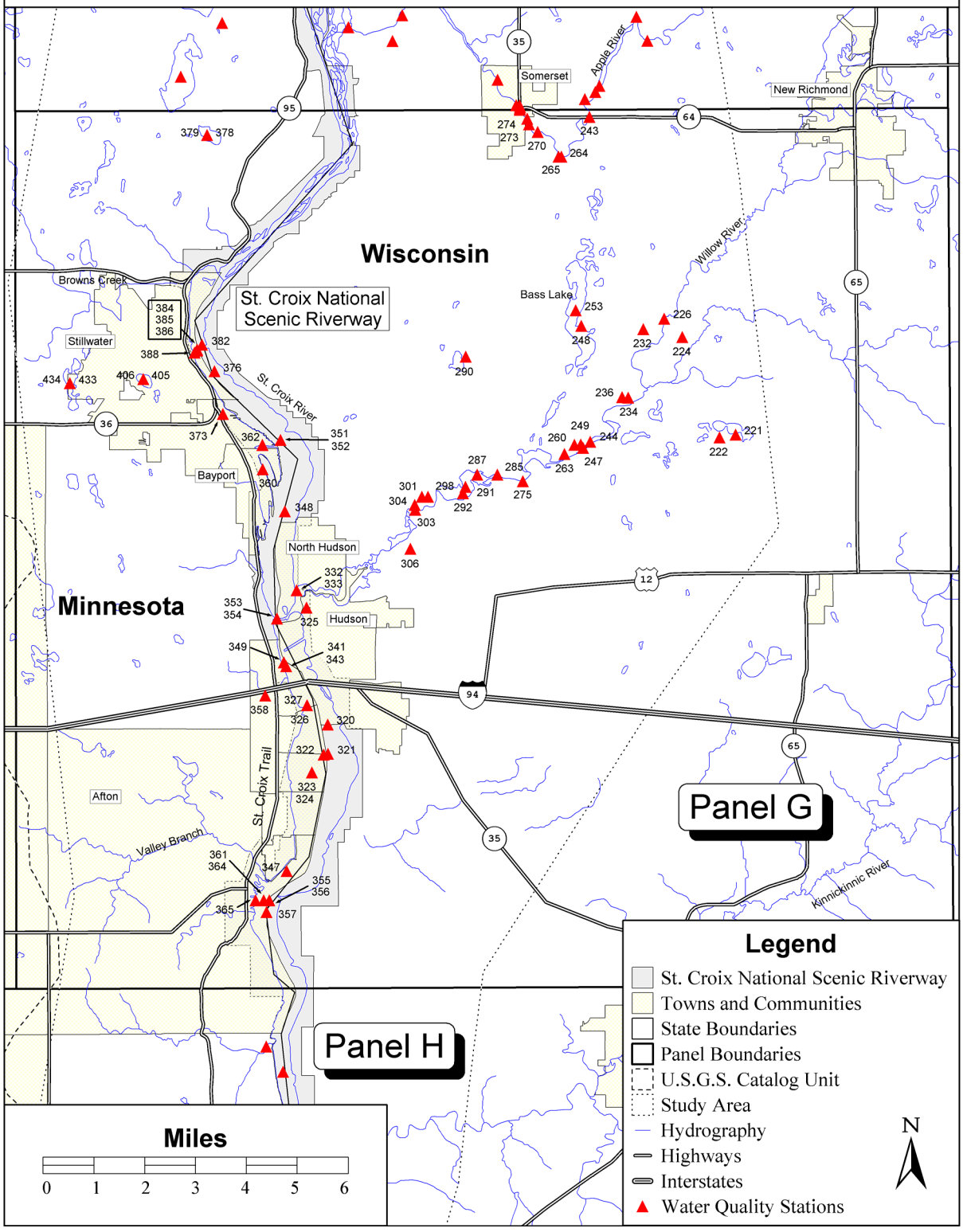
St. Croix National Scenic Riverway

Water Quality Monitoring Locations



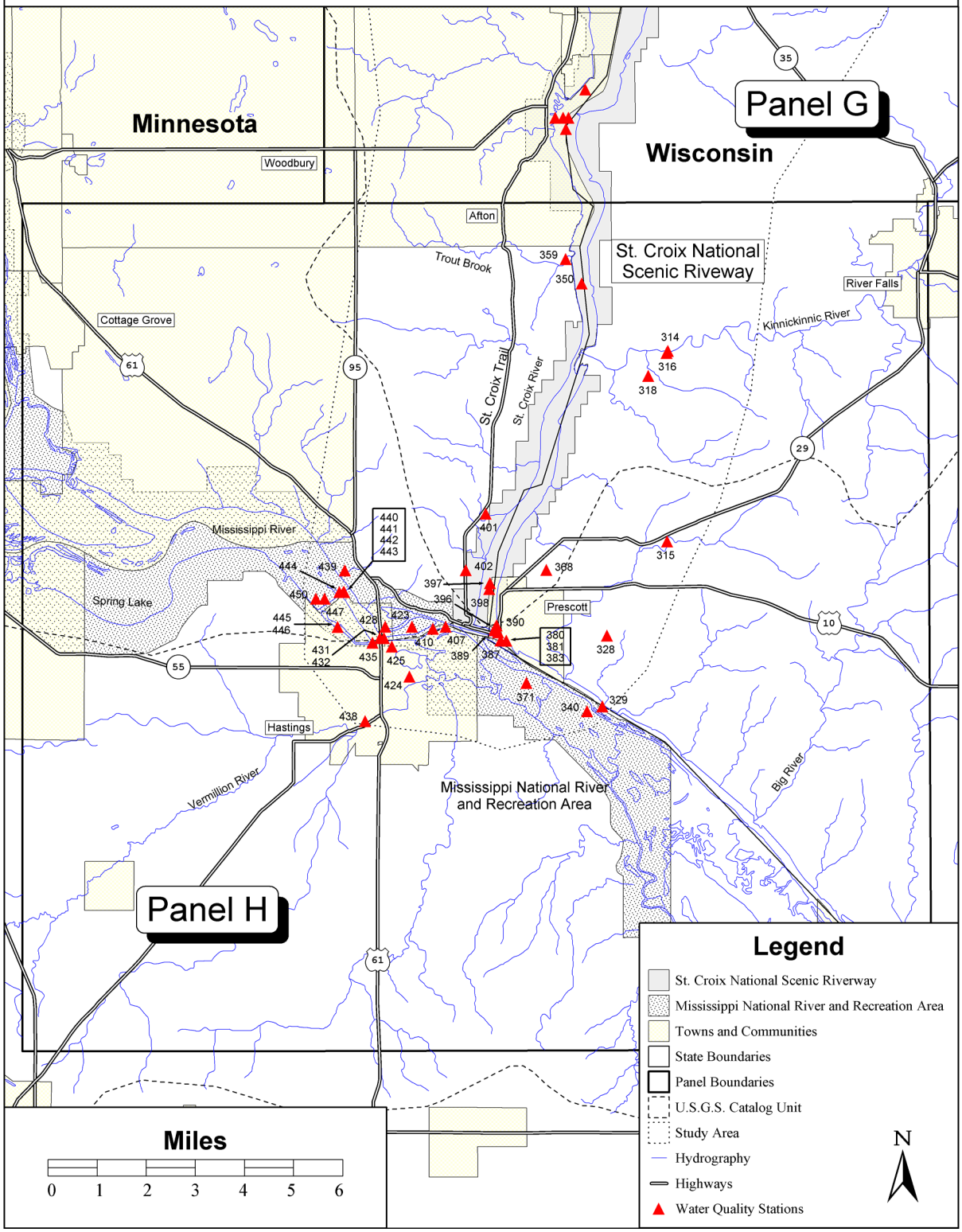
St. Croix National Scenic Riverway

Water Quality Monitoring Locations



St. Croix National Scenic Riverway

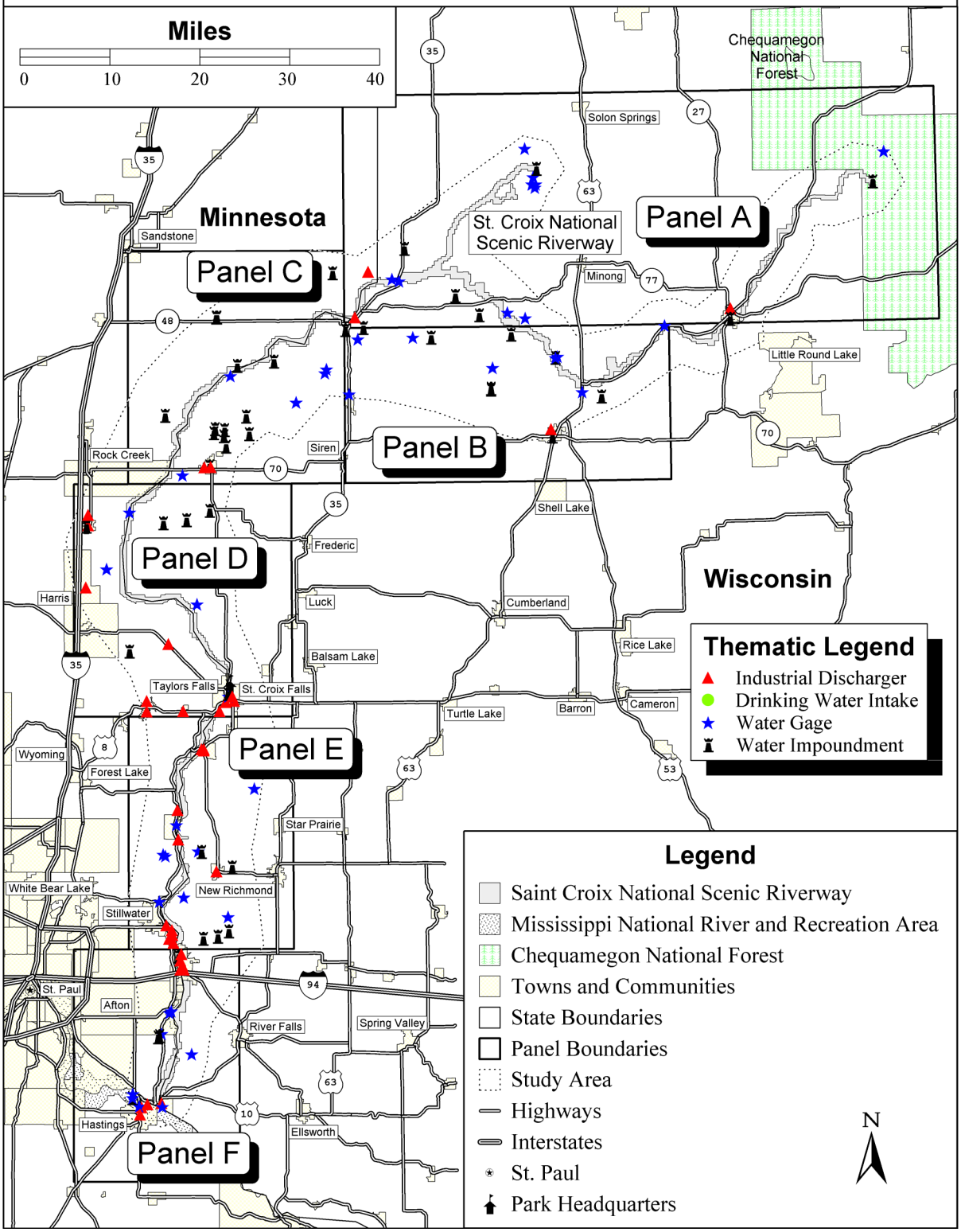
Water Quality Monitoring Locations



St. Croix National Scenic Riverway

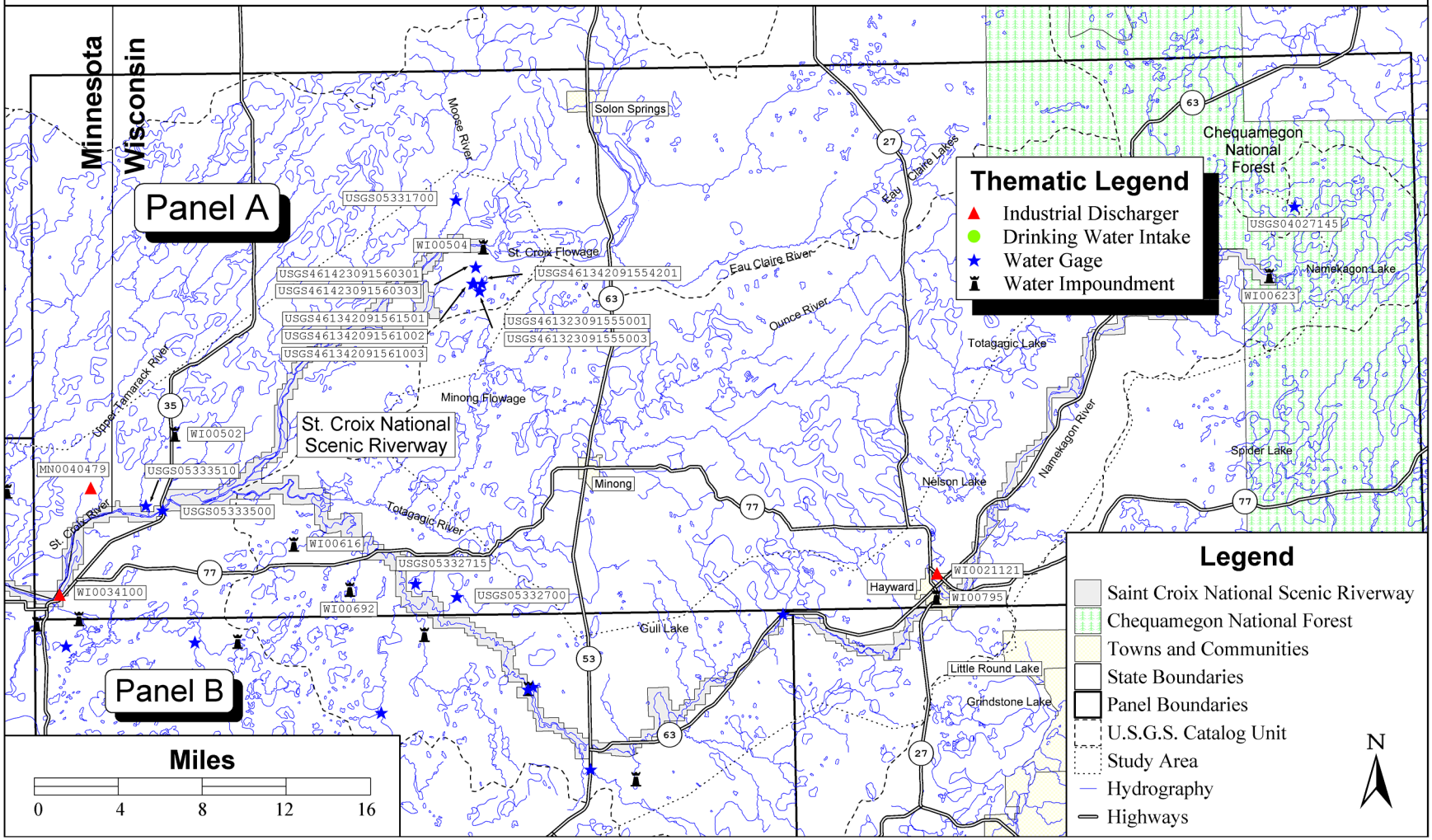
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

Graphic Panel Index



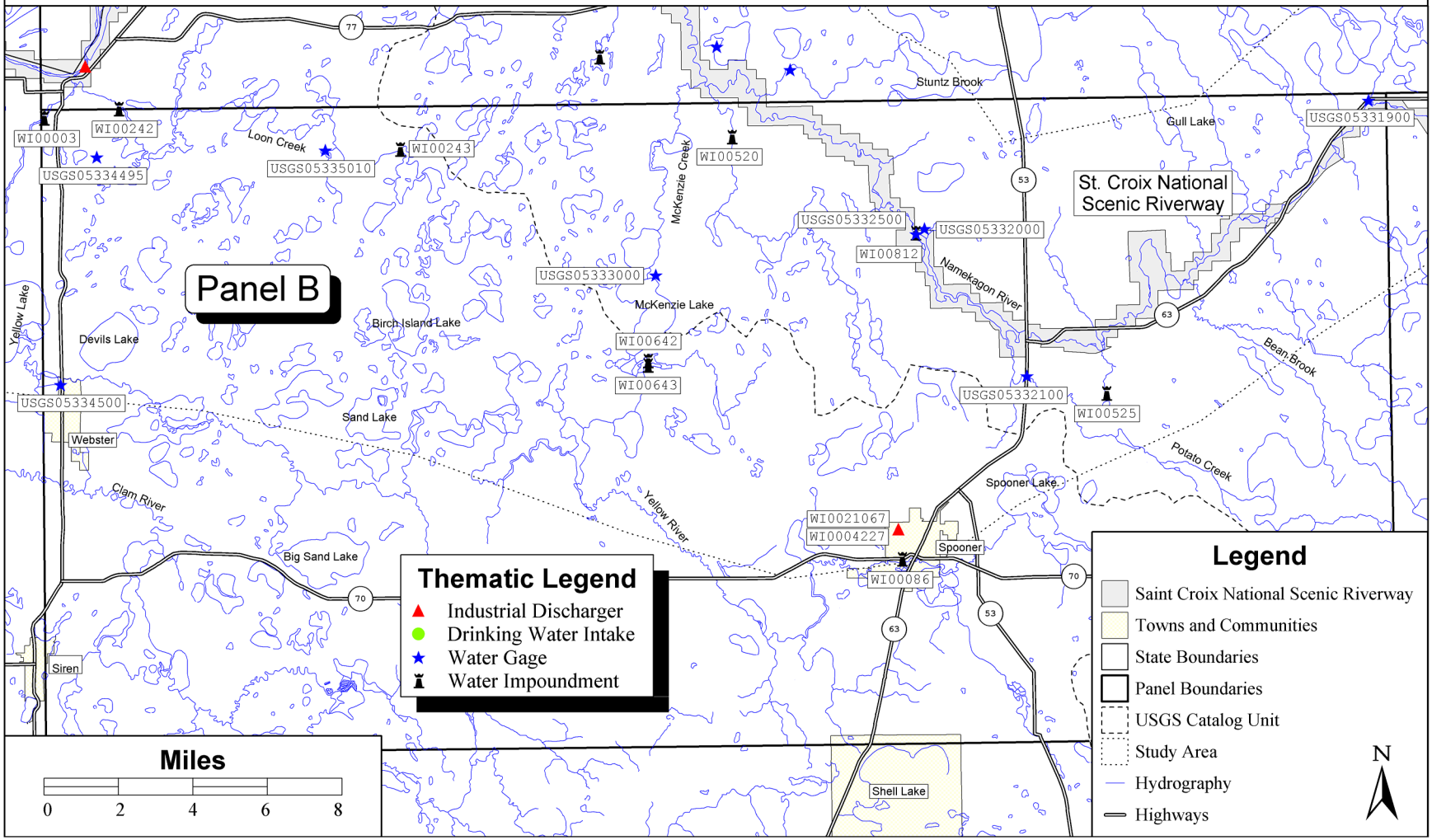
St. Croix National Scenic Riverway

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



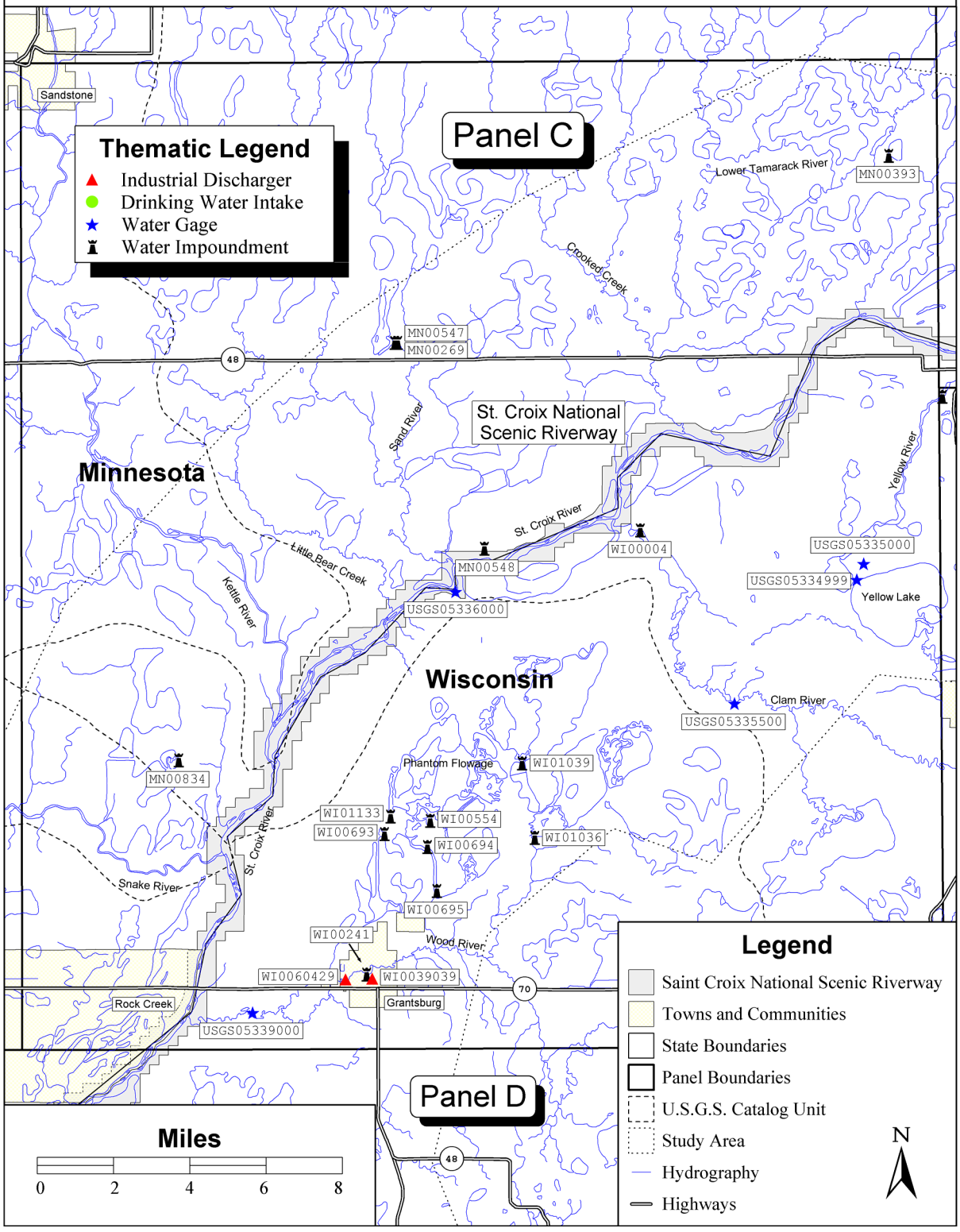
St. Croix National Scenic Riverway

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



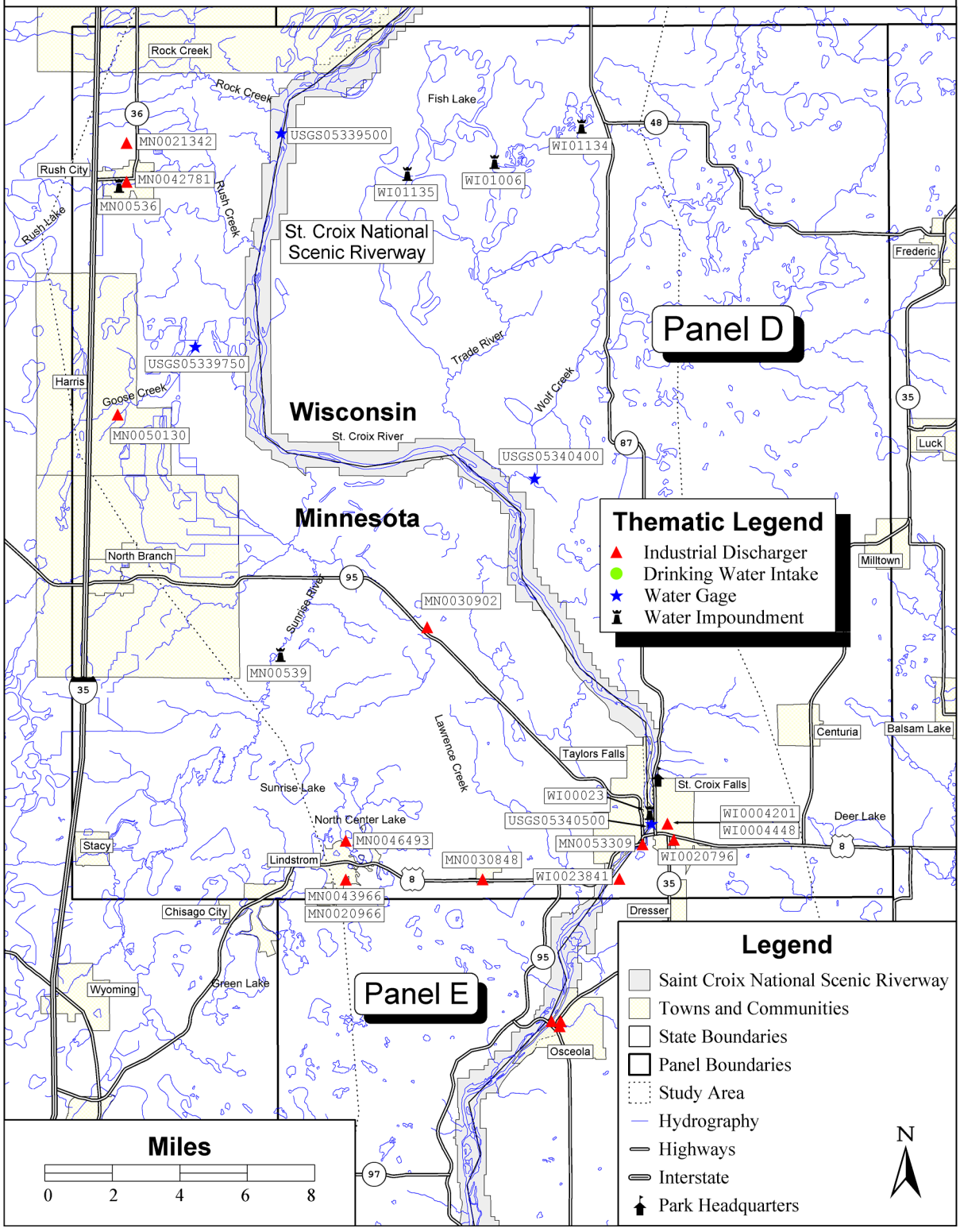
St. Croix National Scenic Riverway

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



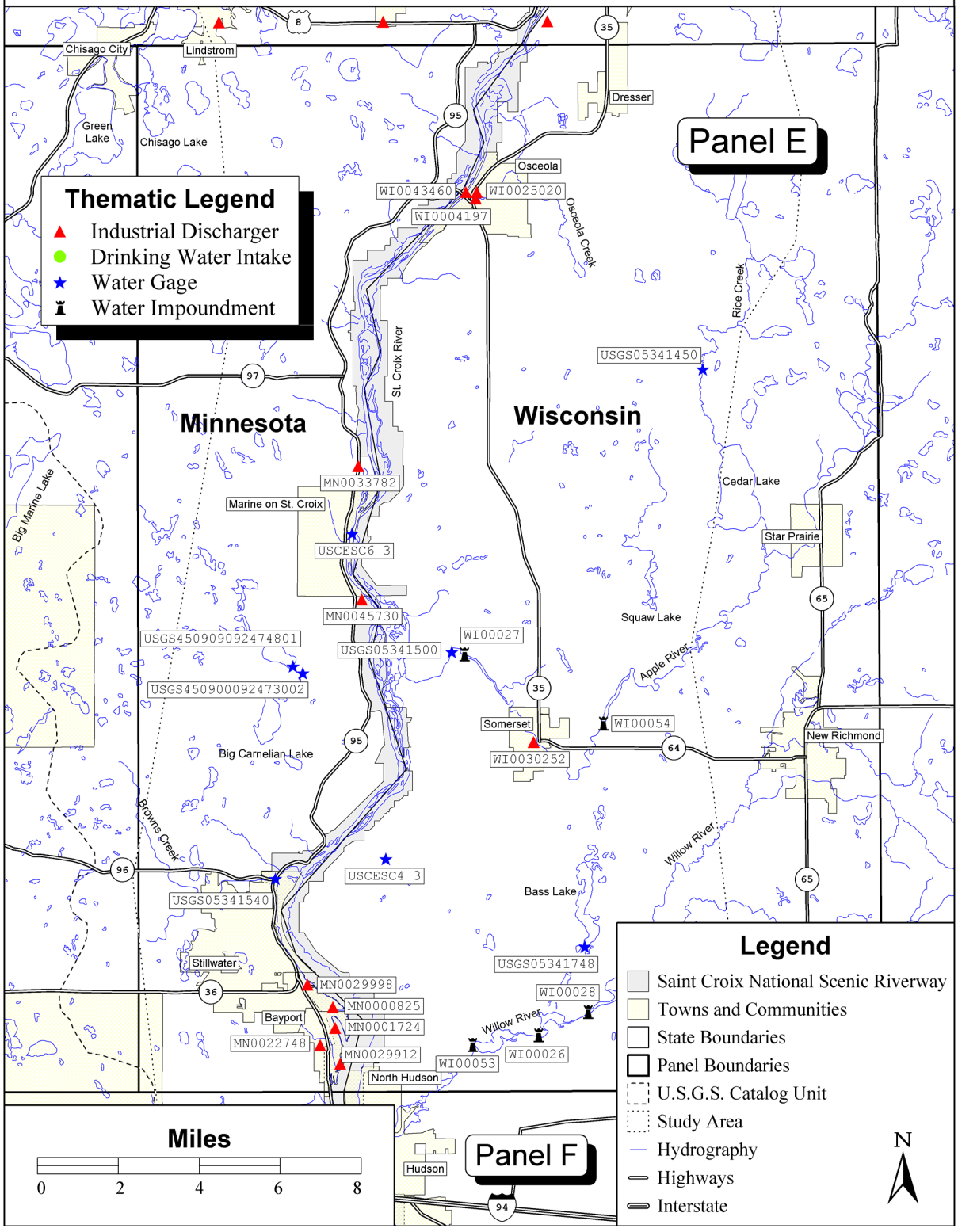
St. Croix National Scenic Riverway

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



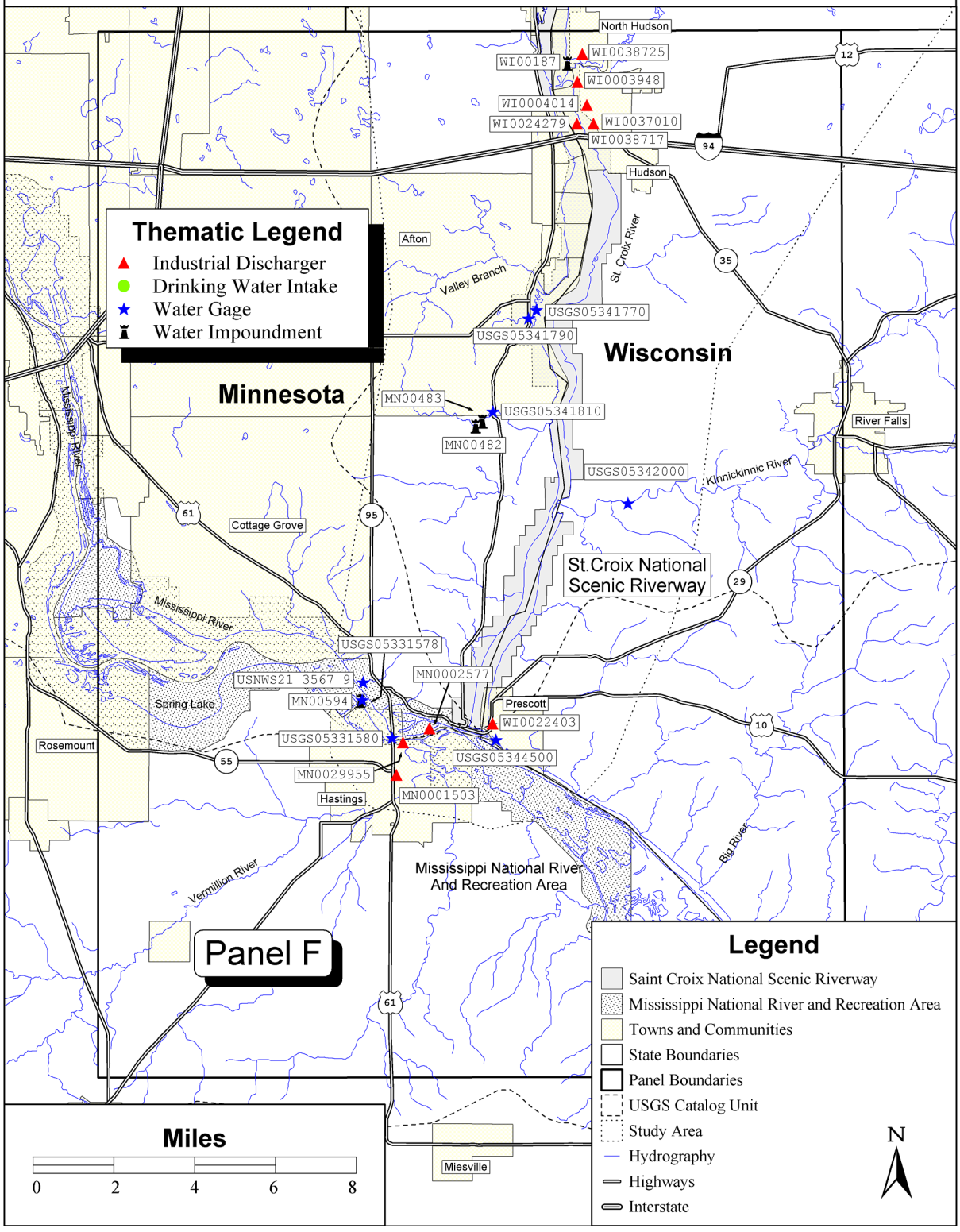
St. Croix National Scenic Riverway

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



St. Croix National Scenic Riverway

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the SACN Study Area

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
MN0000825	NSP ALLEN S KING PLANT	414 NICOLLET MALL	MINNEAPOLIS	SAINT CROIX R
MN0001503	PEAVEY FLOUR MILL COMPANY	730 2ND AVENUE SOUTH	MINNEAPOLIS	..
MN0001724	ANDERSEN CORP	.....	BAYPORT	SAINT CROIX R
MN0002577	HUDSON HD MFG CO	SECOND & EDDY STREETS	HASTINGS	MISSISSIPPI R
MN0020966	CHISAGO CITY LINDSTROM JSC	CITY HALL, BOX 356	CHISAGO CITY	WALLMARK LAKE
MN0021342	RUSH CITY	CITY HALL	RUSH CITY	RUSH CR
MN0022748	SAINT PAUL BAYPORT STP		BAYPORT	..
MN0029912	MWCC/MC BAYPORT	230 E. 5TH STREET	SAINT PAUL	L SAINT CROIX
MN0029955	MWCC/MC HASTINGS	230 E. 5TH STREET	SAINT PAUL	MISS R
MN0029998	MWCC/MC STILLWATER	230 E. 5TH STREET	SAINT PAUL	SAINT CROIX R
MN0030848	SHAFER	CITY HALL	SHAFER	UNNAMED SL TO CR
MN0030902	ALMELUND CREAMERY CO ALMELUND	.....	ALMELUND	COUNTY DITCH
MN0033782	MDNR WM O'BRIEN STATE PARK	500 LAFAYETTE RD	SAINT PAUL	SAINT CROIX R
MN0040479	SAINT CROIX CAMP	RT #1, BOX 209	MARKVILLE	L TAMARACK R
MN0042781	LAND O LAKE		RUSH CITY	RUSH C
MN0043966	LINDSTROM CITY OF	.....	LINDSTROM	WALLMARK LK
MN0045730	CHRISTIAN BROTHERS INC	15525 ST. CROIX TRAIL N.	MARINE ON ST CROIX	SAINT CROIX R
MN0046493	HAZELDEN FOUNDATION	15245 PLEASANT VALLEY ROAD	CENTER CITY	S CENTER L
MN0050130	HARRIS	P.O. BOX 111	HARRIS	DT TO GOOSE CR
MN0053309	TAYLORS FALLS	CITY HALL	TAYLORS FALLS	ST CROIX R
WI0003948	JONES CHEMICALS INC	S13 T29N R20W MONROE ST	NORTH HUDSON	..
WI0004014	UNITED REFRIGERATOR CO	LOCUST & WALNUT ST	HUDSON	ST CROIX R
WI0004197	WI DNR OSCEOLA FISH HATCHERY	LEE HAASS	OSCEOLA	ST CROIX R VIA U
WI0004201	WI DNR ST CROIX FALLS HATCHERY	JEFF TABAT	ST CROIX FALLS	ST CROIX R
WI0004227	SPOONER FISH HATCHERY		SPOONER	..
WI0004448	HARTZELL PLASTICS	35 SOUTH WASHINGTON STREET	ST CROIX FALLS	..
WI0020796	ST CROIX FALLS WWTF	MARIAN EDLER	ST CROIX FALLS	ST CROIX R
WI0021067	SPOONER STP	OUT LOT NO 50	SPOONER	YELLOW R
WI0021121	HAYWARD WATER & SEWER UTILITY	.....	HAYWARD	NAMEKAGON R
WI0022403	PRESCOTT CITY	JANET HUPPERT	PRESCOTT	MISSISSIPPI R
WI0023841	DRESSER WSTWTR TRMT PLT	601 WEST STATE STREET	DRESSER	..
WI0024279	HUDSON CITY	THOMAS H REDNER	HUDSON	ST CROIX R
WI0025020	OSCEOLA VILLAGE	HARRIS PARENT	OSCEOLA	ST CROIX R
WI0030252	SOMERSET VILLAGE	SCOTT ZAHNOW	SOMERSET	APPLE R
WI0034100	NORTHWESTERN WISCONSIN ELECTRI	FIRST AVENUE	DANBURY	..
WI0037010	HUDSON PUB UTIL COMM WELL 1	505 3RD ST	ARKANSAW	..
WI0038717	HUDSON PUBLIC UTL COMM	JIM PRIBIL	HUDSON	ST CROIX R
WI0038725	HUDSON PUBLIC UTL COMM	LEMON ST N	NORTH HUDSON	ST CROIX R
WI0039039	BURNETT DAIRY COOPERATIVE	DALE OLSON	GRANTSBURG	WOOD R VIA UN TR
WI0043460	NORTHERN METAL SPEC DIV	805 SEMINOLE AVE	OSCEOLA	OSCEOLA C
WI0060429	GRANTSBURG, VILLAGE	JAMES MCNALLY	GRANTSBURG	WOOD R AND GROUN

Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the SACN Study Area

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)

No drinking water intakes available for this study area.

Water Gages

Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USCESC4 3	ST CROIX R AT STILLW	Stream			
USCESC6 3	ST CROIX R AT MARINE	Stream			
USGS05331700	MOOSE R NR SOLOR SPR	Stream	49.90		
USGS05331900	CHIPPENAZIE C NR STA	Stream	33.80		
USGS05332100	POTATO C AT TREGO WI	Stream	25.70		
USGS05332500	NAMEKAGON RIVER NEAR TREGO, WI			1928	1993
USGS05332700	STUNTZ BK NR MINONG	Stream	18.20		
USGS05333000	MCKENZIE LAKE NEAR SPOONER, WI	Lake	25.00		
USGS05333500	ST. CROIX RIVER NEAR DANBURY, WI	Stream	1588.00	1914	1993
USGS05333510	CHASES BK NR DANBURY	Stream	38.00		
USGS05334500	YELLOW R AT WEBSTER	Stream	228.00		
USGS05335000	YELLOW LAKE NEAR WEBSTER, WI	Lake	258.00		
USGS05336000	ST. CROIX RIVER NEAR GRANTSBURG, WI			1923	1971
USGS05339750	GOOSE CREEK NEAR HAR	Stream	63.90		
USGS05340400	WOLF C NR ST CROIX F	Stream	29.30		
USGS05340500	ST. CROIX RIVER AT ST. CROIX FALLS, WI	Stream	5930.00	1902	1993
USGS05341450	HORSE C NR STAR PRAI	Stream	32.60		
USGS05341500	APPLE RIVER NEAR SOMERSET, WI			1914	1993
USGS05341540	BROWNS CREEK AT STIL	Stream	30.80		
USGS05341790	ST. CROIX RIVER TRIB	Stream	2.49		
USGS05341810	TROUT BROOK NEAR AFT	Stream	5.90		
USGS05344500	MISSISSIPPI RIVER AT PRESCOTT, WI	Stream	4800.00	1928	1993
USNWS21 3567 9	HASTINGS DAM 2 MINN	Stream			
USGS05331578	MISSISSIPPI RIVER AT L&D #2 AT HASTINGS, MN	Stream			
USGS05331580	MISSISSIPPI RIVER BELOW L&D #2 AT HASTINGS, MN	Stream	37100.0		
USGS05339500	ST. CROIX RIVER NEAR RUSH CITY, MN	Stream	5120.00	1923	1961
USGS05341770	ST. CROIX RIVER AT AFTON, MN	Stream			
USGS450909092474801	SQUARE LAKE OUTLET NR STILLWATER MN	Stream		1982	1983
USGS04027145	LAKE KNOTTING NEAR CABLE, WI	Lake	0.35		
USGS05332000	NAMEKAGON RIVER AT TREGO, WI	Stream	460.00	1914	1927
USGS05332715	HOINVILLE LAKE NEAR MINONG, WI	Lake	1.44		
USGS05334495	DEVILS LAKE NEAR WEBSTER, WI	Lake	8.54		
USGS05334999	YELLOW LAKE NEAR WEBSTER, WI	Lake	258.00		
USGS05335010	LOON CREEK NEAR DANBURY, WI	Stream	16.90	1970	1971
USGS05335500	CLAM RIVER NEAR WEBSTER, WI	Stream	364.00	1941	1942
USGS05339000	WOOD RIVER NEAR GRANTSBURG, WI	Stream	190.00	1939	1940
USGS05341748	BASS LAKE NEAR HUDSON, WI	Lake	7.11		
USGS05342000	KINNICKINNIC RIVER NEAR RIVER FALLS, WI	Stream	167.00	1917	1921
USGS461323091555001	DS-43/13W/12-0393 ROUND LAKE WELL NO. 55R	Well			
USGS461342091554201	DS-43/13W/12-0367 ROUND LAKE WELL #21R	Well			
USGS461342091561002	ROUND LAKE NEAR GORDON, WI	Lake			
USGS461342091561501	DS-43/13W/12-0332 ROUND LAKE WELL NO. 54R	Well			

Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the SACN Study Area

Water Gages

Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS461423091560301	DS-43/13W/01-0331 ROUND LAKE WELL NO. 51R	Well			
USGS450900092473002	SQUARE LAKE OUTLET NR STILLWATER MN(PREC)	Climate			
USGS461323091555003	ROUND LAKE RAIN GAGE AT WELL 55R NEAR GORDON, WI	Climate			
USGS461342091561003	ROUND LAKE RAIN GAGE NEAR GORDON, WI	Climate			
USGS461423091560303	ROUND LAKE RAIN GAGE AT WELL 51R NEAR GORDON, WI	Climate			

Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
MN00269	ORVILLE HARMON	MR. ORVILLE HARMON	Other	Earth	Low	1970
MN00393	HAY CREEK	PINE COUNTY	Other	Rockfill	Low	1900
MN00482	SCHUESTER POND	ERNEST SCHUESTER	Other	Earth	Low	1967
MN00483	COUWETTE GROUP POND	RONALD LAMBERG	Other	Earth	Low	1971
MN00536	RUSH CREEK	STATE OF MN	Other	Gravity	Low	1954
MN00539	SUNRISE RIVER	CHISAGO COUNTY	Other	Gravity	Low	1885
MN00547	HARMON WETLAND	ORVILLE HARMON	Other	Gravity	Low	1967
MN00548	CLAYTON LAKE	STATE OF MN	Rec.	Other	Low	1940
MN00594	LOCKS AND DAM NO 2	DAEN NCS	Navig.	Earth	Significant	1931
MN00834	CHENGWATANNA WILDLIFE STRCTR	STATE OF MN-FORESTRY	Other	Earth	Low	1967
WI00003	DANBURY 2WP696	NW WI ELEC CO	Hydro	Gravity	Significant	1920
WI00004	CLAM RIVER 2WP516	NW WI ELEC CO	Hydro	Gravity	Low	1942
WI00023	SAINT CROIX FALLS 1903-C24	NORTHERN STATES POWER CO	Hydro	V. Arch	High	1905
WI00026	WILLOW FALLS WP 195	WI DNR	Rec.	V. Arch	High	1924
WI00027	APPLE RIVER FALLS D 64.5	NORTHERN STATES POWER CO	Hydro	Gravity	Significant	1953
WI00028	MOUND PLANT WP 224	WI DNR	Rec.	M. Arch	High	1925
WI00053	LITTLE FALLS GEN LAWS	WI DNR	Rec.	Gravity	High	1920
WI00054	RIVERDALE GEN LAWS	NORTHERN STATES POWER CO	Hydro	Gravity	Significant	1905
WI00086	SPOONER ELECTRIC GEN LAWS	CITY OF SPOONER	Rec.	Gravity	Significant	1905
WI00187	WILLOW RIVER ST CROIX	ST CROIX CO,ET AL	Rec.	Gravity	Low	1934
WI00241	HICKERSON 1895C98	VILLAGE OF GRANTSBURG	Rec.	Gravity	Low	1950
WI00242	MINERVA 2WP503	BURNETT COUNTY	Rec.	Gravity	Low	1937
WI00243	LOON LAKE 2WP344	BURNETT COUNTY	Rec.	Rockfill	Low	1939
WI00502	GOMULAK AND PROFITT 3WR253	W GOMULAK AND R PROFFIT	Rec.	Earth	Low	1969
WI00520	CONROY FORD 3WR374	WASHBURN COUNTY	Rec.	Gravity	Low	1970
WI00525	SPRING LAKE 3WR34	RAY W SKELTON CO INC	Rec.	Gravity	Low	1969
WI00554	PETERSON BELLACH GROUP	PETERSON BELLACH GROUP	Farm	Earth	Low	1971
WI00616	WEBB LAKE 2WP466	BURNETT COUNTY	Rec.	Gravity	Low	1941
WI00623	NAMEKGON WP320	TOWN OF LAKE NAMEKAGON	Rec.	Gravity	Low	1926
WI00642	N. MIDWEST CRANBERRY COMPAN	MIDWEST CRANBERRY CO	Other	Gravity	Low	1930
WI00643	S. MIDWEST CRANBERRY COMPAN	MIDWEST CRANBERRY CO	Other	Gravity	Low	1957
WI00692	LOWER LOST LAKE 2WP936	TOWN OF WEBB LAKE	Rec.	Earth	Low	1953
WI00693	CREX MEADOWS DIKE 9 FLOWAGE	WI DNR	Rec.	Earth	Low	1962
WI00694	CREX MEADOWS PHANTOM L. DEVT	WI DNR	Rec.	Earth	Low	1962
WI00695	CREX MEADOWS PHANTOM L. DEVT	WI DNR	Rec.	Earth	Low	1962
WI00795	HAYWARD WP119	LAKE SUPERIOR DIST POWER	Hydro	Gravity	High	1918
WI00812	TREGO WP220	NORTHERN STATES POWER CO	Hydro	Gravity	Low	1926
WI01006	LOGGING CREEK DIKE H12.395	&	Other	Earth	Low	1977

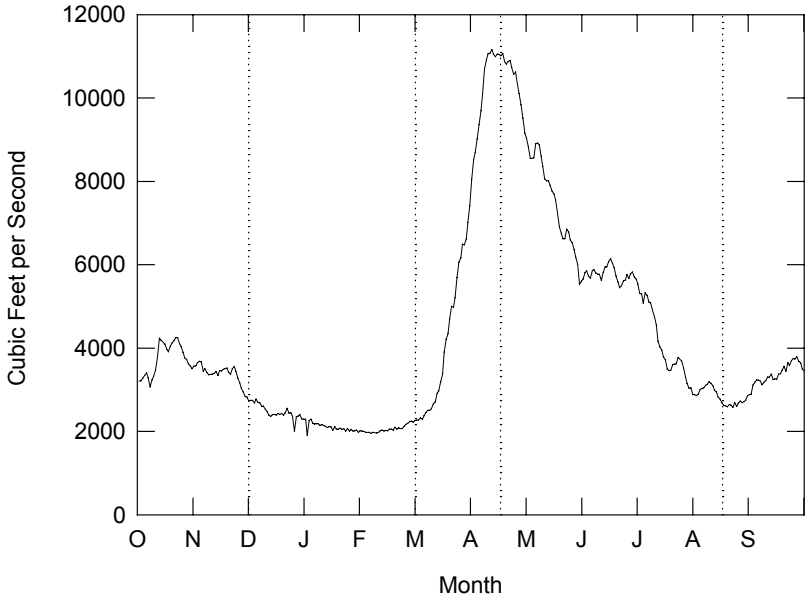
Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the SACN Study Area

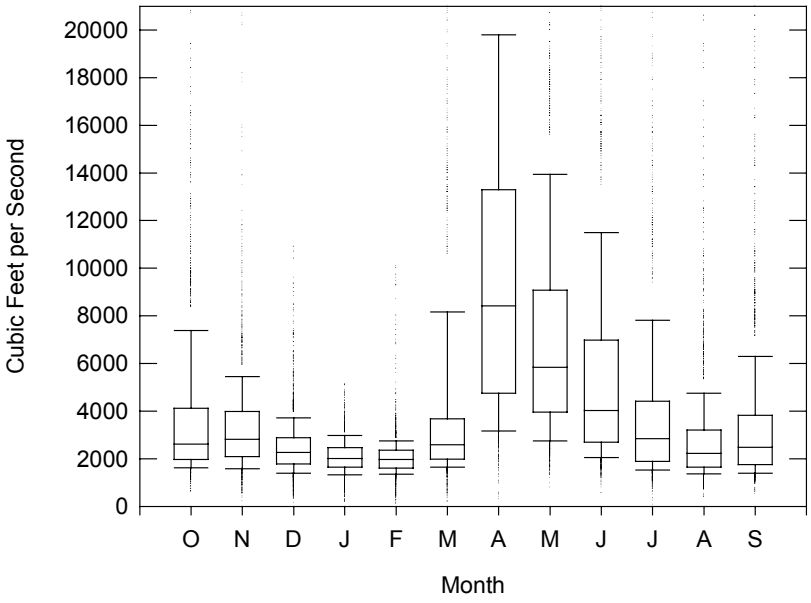
Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
WI01036	CREX MEADOWS N. FORK DIKE D	&	Rec.	Earth	Low	1962
WI01039	CREX MEADOWS REED LAKE STR 3	WI DNR	Rec.	Earth	Low	1962
WI01133	CREX MEADOWS DIKE 6	WI DNR	Rec.	Earth	Low	1962
WI01134	FISH L. WLA CANUTE FLOWAGE G	WI DNR	Other	Earth	Low	1974
WI01135	FISH L. WLA COUNTY HWY O H12	WI DNR	Other	Earth	Low	1977
WI00504	SAINT CROIX 2WP365	DOUGLAS COUNTY	Rec.	Gravity	Significant	1936

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

SAINT CROIX NATIONAL SCENIC RIVERWAY
Saint Croix River at St. Croix Falls, WI
05340500, 83 year record





Representative mean annual hydrograph (top) and distribution of daily flows by month (bottom) for hydrologic season determination. Box and whiskers represent a five number summary; bottom whisker cap is 10th percentile, bottom of box is 25th percentile, internal line is median, top of box is 75th percentile, and top whisker is 90th percentile. Hydrologic seasons for Saint Croix National Scenic Riverway are: Aug. 15 to Nov. 30, Dec. 1 to Feb. 28, Mar. 1 to Apr. 14, and Apr. 15 to Aug. 14.

CONTACTS FOR AGENCY CODES RETRIEVED FOR SACN

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)
31M&WPCB	HOELMAN, LOUIS	USEPA HQ	(202)260-7050
1115T030	JUTIS, BILL	USEPA REGION 2	(212)264-4753
112WRD	YORKE, TOM	US GEOLOGICAL SURVEY	(703)648-5687
21MINN	MCCOLLOR, SYLVIA	MINN POLL CONTROL AGENCY	(612)296-7249
21MINNQ	MCCOLLOR, SYLVIA	MINN POLL CONTROL AGENCY	(612)296-7249
21WITIS	TIEGS, CAROL	WISCONSIN DEPT OF NAT RES	(608)267-7659
21WIDNR	TIEGS, CAROL	WISCONSIN DEPT OF NAT RES	(608)267-7659
11EPALES	LAMBOU, VICTOR W.	USEPA	(702)798-2259
21MINNL	MCCOLLOR, SYLVIA	MINN POLL CONTROL AGENCY	(612)296-7249
21WIS	TIEGS, CAROL	WISCONSIN DEPT OF NAT RES	(608)267-7659
21WIL	TIEGS, CAROL	WISCONSIN DEPT OF NAT RES	(608)267-7659
21MNDNR	KROSCH, HOWARD	MINNESOTA DEPT OF NAT RES	(612)296-2835
11BIOACC	KRONER, STEVE	U.S. EPA MDSD	(202)260-4761
12MIWID	ROSS, STU	USEPA REGION 5	(312)353-0299
12ELS1	LANDERS, DIXON H.	EPA ENVIRONMENTAL RES LAB	(503)754-4427
11NATDC	HOELMAN, LOUIS	USEPA HQ	(202)260-7050
14AGNFS9	ILHARDT, BONNIE	USFS REGION 9	(414)291-3697
21MNMWCC	O'DEA, TERRIE	MN METRO WASTE CNTL COMM	(612)229-2075

QUANTITY OF DATA RETRIEVED FOR SACN BY AGENCY CODE

WITHIN THE ENTIRE STUDY AREA (S.A.) AND JUST WITHIN THE PARK

Agency	Organization	Period of Record		Water Quality Stations		Longer Term[1] Stations		No Data Stations		Water Quality Observations		Water Quality Parameters	
		Study Area	Park Only	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park
31M&WPCB	USEPA HQ	06/15/75-03/01/76	06/15/75-03/01/76	10	3	0	0	0	0	333	224	11	11
1115T030	USEPA REGION 2	04/10/64-01/04/66	04/10/64-01/04/66	9	7	0	0	0	0	3266	2695	33	29
112WRD	US GEOLOGICAL SURVEY	01/01/36-06/20/94	10/09/64-07/22/93	44	17	16	7	2	2	33846	10807	236	197
21MINN	MINN POLL CONTROL AGENCY	01/21/53-09/15/94	01/21/53-09/15/94	30	15	13	9	0	0	31533	21508	211	185
21MINNQ	MINN POLL CONTROL AGENCY	No Data in S.A.	No Data in Park	59	16	0	0	59	16	0	0	0	0
21WITIS	WISCONSIN DEPT OF NAT RES	08/01/78-07/29/92	08/01/78-10/29/91	67	13	2	2	25	2	3177	1390	40	39
21WIDNR	WISCONSIN DEPT OF NAT RES	08/01/70-07/13/76	07/13/76-07/13/76	4	1	0	0	0	0	776	28	9	7
11EPALES	USEPA	01/01/72-09/29/73	01/01/72-09/29/73	18	10	0	0	0	0	1896	1218	34	32
21MINNL	MINN POLL CONTROL AGENCY	07/15/26-10/19/94	07/10/74-10/09/94	29	1	4	0	1	0	9893	190	93	2
21WIS	WISCONSIN DEPT OF NAT RES	04/11/61-04/17/95	04/11/61-06/13/94	106	15	12	3	29	8	24408	6140	257	185
21WIL	WISCONSIN DEPT OF NAT RES	07/06/79-08/28/79	08/28/79-08/28/79	61	2	0	0	1	0	2032	69	25	24
21MNDNR	MINNESOTA DEPT OF NAT RES	10/01/69-10/01/69	No Data in Park	1	0	0	0	0	0	84	0	14	0
11BIOACC	U.S. EPA MDSD	04/26/86-04/26/86	04/26/86-04/26/86	1	1	0	0	0	0	64	64	64	64
12MIWID	USEPA REGION 5	11/14/74-12/03/74	11/14/74-12/03/74	8	5	0	0	6	3	141	141	37	37
12ELS1	EPA ENVIRONMENTAL RES LAB	10/28/84-11/04/84	No Data in Park	10	0	0	0	0	0	260	0	26	0
11NATDC	USEPA HQ	No Data in S.A.	No Data in Park	1	0	0	0	1	0	0	0	0	0
14AGNFS9	USFS REGION 9	08/10/77-09/19/94	No Data in Park	8	0	1	0	1	0	1313	0	51	0
21MNMWCC	MN METRO WASTE CNTL COMM	No Data in S.A.	No Data in Park	3	1	0	0	3	1	0	0	0	0
Totals		07/15/26-04/17/95	01/21/53-10/09/94	469	107	48	21	128	32	113022	44474	628	533

[1]Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Station Period of Record Tabulation
From 07/15/26 To 04/17/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75
SACN0001	CRANBERRY LAKE	No	47	0	47	0
SACN0002	NAMEKAGON LAKE	No	0	0	0	0
SACN0003	NAMEKAGON LAKE	No	319	319	0	0
SACN0004[1]	NAMEKAGON LAKE 10M NE CABLE WI	No	868	7	861	0
SACN0005	LAKE REE 7 MILES S OF GRANDVIEW	No	32	0	32	0
SACN0006	DIAMOND LAKE INLET	No	20	0	0	20
SACN0007	18 MILE CR @FR371 (30 YDS DNSTR)	No	77	77	0	0
SACN0008	TWIN LAKES (SOUTH)	No	26	0	26	0
SACN0009	TWIN LAKE (NORTH) @HWY M 7.5 MI E OF CABLE WI	No	98	98	0	0
SACN0010	TWIN LAKE (SOUTH) @HWY M 7.5 MI E OF CABLE WI	No	86	86	0	0
SACN0011	CRYSTAL LAKE (T44R06WS32)	No	35	35	0	0
SACN0012	CRYSTAL LAKE (T44R06WS32)	No	45	0	45	0
SACN0013	DIAMOND LAKE	No	367	58	0	309
SACN0014	TWIN LAKE, NORTH	No	47	0	47	0
SACN0015	NORTH TWIN LAKE	No	0	0	0	0
SACN0016	ROCK LK 9 MI.SE, OF CABLE WISC.	No	74	0	74	0
SACN0017	18 MILE CR @FR374 (200 YDS DNSTR)	No	78	78	0	0
SACN0018	COBURNE LAKE 6 MILES SE DRUMMOND	No	0	0	0	0
SACN0019	NORTHEAST LAKE	No	26	0	26	0
SACN0020	TAHKODAH LAKE	No	131	131	0	0
SACN0021	TAHKODAH LAKE	No	19	19	0	0
SACN0022	SPRING CR AT SECTION LINE 27/34	No	82	0	82	0
SACN0023	SPRING CR TELEMARK RD AB PONDS	No	57	0	57	0
SACN0024	SPRING CR TELEMARK RD NW SEC 27	No	57	0	57	0
SACN0025	SPRING CR TELEMARK RD BEL PONDS	No	351	0	351	0
SACN0026	SPRING CR AT ABANDONED RD SEC 21	Yes	472	0	472	0
SACN0027	SPRING CR TELEMARK RD NR MOUTH	Yes	0	0	0	0
SACN0028	SPRING CR AT SKI LODGE RD SEC 21	No	57	0	57	0
SACN0029	PRICE LAKE	No	24	0	24	0
SACN0030	CABLE LAKE	No	48	0	48	0
SACN0031	NAMEKAGON R AT STH 63 BL CABLE	Yes	0	0	0	0
SACN0032	BIG BROOK 10 RIVER ROAD	Yes	20	20	0	0
SACN0033	PACWAWONG SPRINGS	Yes	25	10	15	0
SACN0034	PACWAWONG LK 00 T42R8W S2	Yes	20	20	0	0
SACN0035	SILVERTHORN LAKE	No	35	25	10	0
SACN0036	NAMEKAGON R ADJ TO STH 63 SEELEY	Yes	0	0	0	0
SACN0037	OSGOOD LAKE	No	0	0	0	0
SACN0038	NAMEKAGON RIVER 00 T42R8W S20	Yes	5	0	5	0
SACN0039	PHIPPS SPRING	No	40	0	40	0
SACN0040	SPRING LAKE	No	40	40	0	0
SACN0041[1]	NAMEKAGON RIVER NEAR HAYWARD, WI	Yes	1314	32	1282	0
SACN0042	HAYWARD LAKE	Yes	28	28	0	0
SACN0043	NELSON LAKE	No	126	0	0	126
SACN0044	INDIAN SCHOOL LAKE	No	24	0	24	0
SACN0045	HAYWARD LAKE	No	48	0	48	0
SACN0046	NAMEKAGON R POWER DAM AT HAYWARD	Yes	0	0	0	0
SACN0047	NAMEKAGON RIVER 20 BEL HAYWARD	Yes	0	0	0	0
SACN0048	SMITH LAKE	No	0	0	0	0
SACN0049	NAMEKAGON R BELOW RAINBOW CREEK NEAR HAYWARD, WI	Yes	140	0	140	0
SACN0050	NAMEKAGON R AT RIVER RAT LANDING NR HAYWARD, WI	Yes	140	0	140	0
SACN0051	NAMEKAGON RIV @ CTH E	Yes	0	0	0	0
SACN0052	BASS LAKE	No	47	32	15	0
SACN0053	CHIPPANAZIE CR @ USH 63	Yes	0	0	0	0
SACN0054	BASS LAKE (4010W17)	No	46	0	46	0
SACN0055	TRANUS LAKE	No	24	0	24	0
SACN0056	HAY CR TWN RD 3/4 MI SOUTH OF F	No	5	5	0	0
SACN0057	SPRING LAKE	No	0	0	0	0
SACN0058	GULL LAKE	No	0	0	0	0
SACN0059	GULL LAKE	No	26	0	26	0
SACN0060	NAMEKAGON RIV PARK NORTH OF EARL	Yes	0	0	0	0
SACN0061	GARDNER LAKE	No	23	0	23	0
SACN0062	NAMEKAGON R AT STH 63 AT EARL	No	0	0	0	0
SACN0063	POTATO CR 1 MI BELOW DILLY LAKE	No	0	0	0	0
SACN0064	(NO NAME)	No	26	0	26	0
SACN0065	ST CROIX FLOWAGE FAR DAM	No	17	17	0	0
SACN0066	TREGO LAKE	No	0	0	0	0
SACN0067	NAMEKAGON RIVER AT TREGO, WI	No	88	0	87	1
SACN0068[1]	NAMEKAGON RIVER NEAR TREGO, WI	Yes	1325	32	1272	21
SACN0069	YELLOW R AT STH 53-63 SPOONER	No	0	0	0	0
SACN0070	SPIDER LAKE	No	24	0	24	0
SACN0071	WEBB LAKE	No	44	0	44	0

Station Period of Record Tabulation
From 07/15/26 To 04/17/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75
SACN0072	YELLOW RIVER FLOWAGE	No	48	0	48	0
SACN0073	YELLOW RIVER AT HATCHERY ROAD	No	0	0	0	0
SACN0074	LINCOLN LAKE	No	24	0	24	0
SACN0075	SPRING CREEK	No	0	0	0	0
SACN0076	COUDERAY R AT CTH N NR RESERVE	No	18	0	18	0
SACN0077	WILCOX LAKE	No	24	0	24	0
SACN0078	LITTLE CASEY LAKE	No	48	0	48	0
SACN0079	LEISURE LAKE	No	48	0	48	0
SACN0080	ST CROIX FLOWAGE NEAR DAM	No	189	189	0	0
SACN0081	ST CROIX FLOWAGE	No	142	113	29	0
SACN0082	LEISURE LAKE	No	30	15	15	0
SACN0083	ST CROIX FLOWAGE NEAR DAM	Yes	60	60	0	0
SACN0084	YELLOW RIVER AT TOZER LAKE DRIVE	No	0	0	0	0
SACN0085[1]	ROUND LAKE NEAR GORDON, WI	No	7561	2581	4980	0
SACN0086	ROUND LAKE	No	15	0	15	0
SACN0087	GOOSE LAKE	No	24	0	24	0
SACN0088	ISLAND LAKE	No	15	0	15	0
SACN0089	MCLAIN LAKE 00 T41R13W S11	No	10	0	10	0
SACN0090	MATHEWS LAKE	No	0	0	0	0
SACN0091	BIG CASEY LAKE	No	15	0	15	0
SACN0092	YELLOW RIVER AT KEZER BRIDGE	No	0	0	0	0
SACN0093	MOOSE RIV @ TWN RD SEC 27,44,13W	No	0	0	0	0
SACN0094	PERSON LAKE	No	20	0	20	0
SACN0095	UNNAMED (4113W15)	No	23	0	23	0
SACN0096	BASS LAKE	No	15	0	15	0
SACN0097	LITTLE SAND LAKE	No	28	28	0	0
SACN0098	BASS LAKE (4013W29)	No	22	0	22	0
SACN0099	ELLSWORTH LAKE	No	15	0	15	0
SACN0100	SAND LAKE	No	38	38	0	0
SACN0101[1]	NAMEKAGON RIV STH 77 NR MINONG	Yes	1228	1062	166	0
SACN0102	MCKENZIE LAKE NEAR SPOONER, WI	No	236	236	0	0
SACN0103	YELLOW RIVER NEAR SPOONER, WI	No	57	57	0	0
SACN0104[1]	BIG MCKENZIE LAKE	No	1126	1126	0	0
SACN0105	BIG MCKENZIE LAKE	No	15	15	0	0
SACN0106	UNNAMED (4213W19)	No	24	0	24	0
SACN0107	BASS LAKE (3914W24)	No	46	0	46	0
SACN0108	LIPSETT LAKE	No	0	0	0	0
SACN0109	MIDDLE MCKENZIE LAKE	No	0	0	0	0
SACN0110	ST. CROIX R AT ST. CROIX FALLS	No	0	0	0	0
SACN0111[1]	NAMEKAGON R AT NAMEKAGON TRAIL	No	2717	0	2222	495
SACN0112	(NO NAME)	No	26	0	26	0
SACN0113	UNNAMED (4014W23)	No	23	0	23	0
SACN0114	ST CROIX RIV @ CO HWY T (BI SUR)	Yes	0	0	0	0
SACN0115[1]	ST. CROIX RIVER NEAR DAIRYLAND, WI	Yes	424	0	424	0
SACN0116	ROONEY LAKE	No	47	47	0	0
SACN0117	ROONEY LAKE - EAST BASIN	No	62	62	0	0
SACN0118	(NO NAME)	No	26	0	26	0
SACN0119	ROONEY LAKE - WEST BASIN	No	62	62	0	0
SACN0120[1]	RICE LAKE NEAR SPOONER, WI	No	128	73	55	0
SACN0121	BENOIT LAKE	No	0	0	0	0
SACN0122	FISH LAKE	No	0	0	0	0
SACN0123[1]	GASLYN LAKE NEAR SPOONER, WI	No	128	73	55	0
SACN0124	FISH L (4-40-14) EAST BASIN	No	56	56	0	0
SACN0125	LONG LAKE	No	47	0	47	0
SACN0126	GASLYN LAKE	No	24	0	24	0
SACN0127	WEBB LAKE SO BASIN AT DEEP PT	No	98	98	0	0
SACN0128	FISH L WEST BASIN (4-40-14)	No	56	56	0	0
SACN0129[1]	ST CROIX R AT CCC BRIDGE	Yes	970	0	451	519
SACN0130	DESMOINES LAKE	No	15	0	15	0
SACN0131	LONG LAKE NEAR DEEPEST POINT	No	0	0	0	0
SACN0132	WEBB LAKE NO BASIN AT DEEP PT	No	98	98	0	0
SACN0133	WEBB LAKE	No	36	36	0	0
SACN0134	WEBB LAKE	No	0	0	0	0
SACN0135	BIG BEAR LAKE	No	24	0	24	0
SACN0136	BIRCH ISLAND LAKE	No	0	0	0	0
SACN0137	HANSCOM LAKE	No	23	0	23	0
SACN0138	MCGRAW LAKE	No	44	0	44	0
SACN0139	SAND LAKE	No	60	0	60	0
SACN0140	NORTH SAND LAKE	No	16	16	0	0
SACN0141	LOON LAKE	No	52	0	52	0
SACN0142	SAND L (NO) AT DEEPEST POINT	No	90	90	0	0

Station Period of Record Tabulation
From 07/15/26 To 04/17/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75
SACN0143	MALLARD LAKE	No	48	0	48	0
SACN0144	GREEN LAKE	No	7	0	7	0
SACN0145	TWENTY SIX LAKE	No	48	0	48	0
SACN0146	ROUND LAKE	No	26	0	26	0
SACN0147	LOON CREEK NEAR DANBURY, WI	No	26	0	0	26
SACN0148	LAKE TWENTY-SIX	No	65	50	15	0
SACN0149	EAGLE LAKE	No	23	0	23	0
SACN0150[!]	ST CROIX RIVER 10 RIVERSIDE	Yes	417	0	417	0
SACN0151[!]	ST. CROIX RIVER NEAR DANBURY, WI	Yes	1797	376	1352	69
SACN0152	POINT LAKE	No	23	0	23	0
SACN0153	STAPLES LAKE	No	46	0	46	0
SACN0154	STONE LAKE	No	24	0	24	0
SACN0155	AUSTIN LAKE	No	48	0	48	0
SACN0156	NORTH LAKE	No	45	0	45	0
SACN0157	TANDA LAKE	No	26	0	26	0
SACN0158	BURLINGAME LAKE	No	24	0	24	0
SACN0159	ST. CROIX R AT RAPIDS IN ST. CROIX STATE PARK	No	111	111	0	0
SACN0160	ST. CROIX R AT RAPIDS IN ST. CROIX STATE PARK	No	0	0	0	0
SACN0161	GULL LAKE AT DEEPEST POINT	No	70	70	0	0
SACN0162	BASS LAKE (4116W13)	No	37	0	37	0
SACN0163	CONNORS LAKE	No	24	0	24	0
SACN0164	JOHNSON LAKE	No	50	50	0	0
SACN0165	JOHNSON LAKE	No	22	0	22	0
SACN0166	FALK LAKE AT DEEPEST POINT	No	70	70	0	0
SACN0167	LOVE LAKE AT DEEP POINT	No	70	70	0	0
SACN0168	MINERVA LAKE	No	47	0	47	0
SACN0169	DEVILS LAKE	No	0	0	0	0
SACN0170	LOVE LAKE	No	46	0	46	0
SACN0171	BRICHER LAKE	No	26	0	26	0
SACN0172[!]	YELLOW RIVER AT DANBURY, WI	Yes	446	0	446	0
SACN0173	HAYDEN LAKE	No	23	0	23	0
SACN0174	DANBURY FLOWAGE	No	0	0	0	0
SACN0175	ST CROIX RIVER 09 DANBURY	Yes	20	20	0	0
SACN0176	YELLOW LAKE	No	93	0	0	93
SACN0177	YELLOW LAKE	No	76	76	0	0
SACN0178	YELLOW LAKE NEAR CENTER	No	0	0	0	0
SACN0179	YELLOW LAKE	No	119	0	0	119
SACN0180	LAKE: ROCK 3 MI SW OF MARKVILLE	No	0	0	0	0
SACN0181	LAKE: ROCK 3 MI SW OF MARKVILLE	No	20	20	0	0
SACN0182	LIT YELLOW LAKE NEAR DEEPEST PT	No	40	40	0	0
SACN0183	LAKE: GRACE 2.5 MI SW OF MARKVILLE	No	20	20	0	0
SACN0184	LAKE: GRACE 2.5 MI SW OF MARKVILLE	No	0	0	0	0
SACN0185	ST CROIX R FishComposit ABV MN-48 W O DANBURY WI	Yes	0	0	0	0
SACN0186	ST CROIX R FishComposit ABV MN-48 W O DANBURY WI	Yes	14	14	0	0
SACN0187[!]	ST. CROIX R AT MN-48 BR, 3.5 MI W OF DANBURY, WI	Yes	6344	1555	1931	2858
SACN0188	ST. CROIX R AT MN-48 BR, 3.5 MI W OF DANBURY, WI	Yes	0	0	0	0
SACN0189	LAKE: KEENE 3 MI SW OF MARKVILLE	No	0	0	0	0
SACN0190	LAKE: KEENE 3 MI SW OF MARKVILLE	No	20	20	0	0
SACN0191	UNN STR AT OUTLET BENJAMIN L, 9 MI SW MARKVILLE	No	12	12	0	0
SACN0192	UNN STR AT OUTLET BENJAMIN L, 9 MI SW MARKVILLE	No	0	0	0	0
SACN0193	LAKE: UNNAMED (BENJAMIN) 6 MI SE OF DUXBURY	No	126	126	0	0
SACN0194	LAKE: UNNAMED (BENJAMIN) 6 MI SE OF DUXBURY	No	0	0	0	0
SACN0195	UNN STREAM AT INLET TO BENJAMIN LAKE, PINE CO.	No	0	0	0	0
SACN0196	UNN STREAM AT INLET TO BENJAMIN LAKE, PINE CO.	No	12	12	0	0
SACN0197	LAKE: STEVENS 3.5 MI SW OF MARKVILLE	No	0	0	0	0
SACN0198	LAKE: STEVENS 3.5 MI SW OF MARKVILLE	No	20	20	0	0
SACN0199	LAKE: GRIEGS 4 MI SW OF MARKVILLE	No	0	0	0	0
SACN0200	LAKE: GRIEGS 4 MI SW OF MARKVILLE	No	20	20	0	0
SACN0201	LAKE: LENA 4 MI SW OF MARKVILLE	No	20	20	0	0
SACN0202	LAKE: LENA 4 MI SW OF MARKVILLE	No	0	0	0	0
SACN0203	LAKE: RAZOR 4 MI SW OF MARKVILLE	No	0	0	0	0
SACN0204	LAKE: RAZOR 4 MI SW OF MARKVILLE	No	20	20	0	0
SACN0205[!]	CLAM RIVER NEAR WEBSTER, WI	No	460	0	433	27
SACN0206	LAKE: LITTLE TAMARACK 4 MI W OF MARKVILLE	No	20	20	0	0
SACN0207	LAKE: LITTLE TAMARACK 4 MI W OF MARKVILLE	No	0	0	0	0
SACN0208	LAKE: TAMARACK 4 MI S OF DUXBURY	No	0	0	0	0
SACN0209[!]	LAKE: TAMARACK 4 MI S OF DUXBURY	No	1160	513	647	0
SACN0210	LAKE: McGOWAN 5 MI SW OF MARKVILLE	No	0	0	0	0
SACN0211	LAKE: McGOWAN 5 MI SW OF MARKVILLE	No	20	20	0	0
SACN0212	CROOKED CREEK NEAR HINCKLEY, MN	No	2	0	0	2
SACN0213	ST CROIX R AT CLAM R	Yes	0	0	0	0

Station Period of Record Tabulation
From 07/15/26 To 04/17/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75
SACN0214	ST CROIX R AT CLAM R	Yes	139	139	0	0
SACN0215	SAND LAKE	No	35	35	0	0
SACN0216	MUD LAKE	No	21	0	21	0
SACN0217	HORSE CR 2.2 MI SOUTH OF HORSE L	No	0	0	0	0
SACN0218	HORSE CREEK	No	138	0	20	118
SACN0219	CEDAR LAKE	No	45	0	45	0
SACN0220[1]	CEDAR LAKE	No	1705	1323	72	310
SACN0221	THREE LAKES 2ND LOBE E 3 LAKES	No	99	99	0	0
SACN0222	THREE LAKES W THREE LAKES RD	No	91	91	0	0
SACN0223	POPLAR LAKE	No	0	0	0	0
SACN0224	TEN MILE CREEK AT BOARDMAN	No	18	18	0	0
SACN0225	SQUAW LAKE	No	20	0	20	0
SACN0226	WILLOW RIVER NEAR BOARDMAN, WI	No	27	0	0	27
SACN0227	SQUAW LAKE (NORTH END DEEP PT)	No	0	0	0	0
SACN0228[1]	SQUAW LAKE (MIDDLE)	No	1396	1396	0	0
SACN0229	LAKE: OLIVE 2.5 MI E OF CLOVERDALE	No	20	20	0	0
SACN0230	LAKE: OLIVE 2.5 MI E OF CLOVERDALE	No	0	0	0	0
SACN0231	RIVERDALE FLOWAGE	No	48	0	48	0
SACN0232	WILLOW RIVER AT 140 AVENUE	No	153	153	0	0
SACN0233	APPLE R ABOVE RIVERDALE FLOW (1)	No	5	5	0	0
SACN0234	WILLOW R 00 RACE BRANCH	No	0	0	0	0
SACN0235	ST CROIX BELOW ST CROIX FALLS	No	216	0	0	216
SACN0236[1]	WILLOW R AT HWY A BRIDGE	No	773	773	0	0
SACN0237	APPLE R 25 RIVERDALE FLOWAGE	No	88	88	0	0
SACN0238	TARBERT LAKE	No	22	0	22	0
SACN0239	LAKE: CLAYTON 3 MI SE OF CLOVERDALE	No	0	0	0	0
SACN0240	LAKE: CLAYTON 3 MI SE OF CLOVERDALE	No	19	19	0	0
SACN0241	APPLE R. 1000' BELOW RIVERDALE D	No	137	137	0	0
SACN0242	OSCEOLA LAKE	No	22	0	22	0
SACN0243	APPLE RIVER @ HWY 64 (3)	No	136	136	0	0
SACN0244	MOUNDS POND MIDDLE OF FLOWAGE	No	146	146	0	0
SACN0245	APPLE R @ RIVEREDGE BAR BRIDGE	No	57	0	57	0
SACN0246[1]	ST. CROIX RIVER AT ST. CROIX FALLS, WI	No	4610	692	3787	131
SACN0247	MOUNDS POND 88 YDS ABOVE DAM	No	9	9	0	0
SACN0248[1]	BASS LAKE (MIDDLE)	No	1533	1533	0	0
SACN0249	WILLOW R 500 YDS BLW MOUNDS PND	No	30	30	0	0
SACN0250	ST CROIX R 08 ABV ST CROIX F DM	Yes	20	20	0	0
SACN0251[1]	ST CROIX R. AT TAYLORS FALLS	Yes	2591	124	902	1565
SACN0252	ST CROIX R. AT TAYLORS FALLS	Yes	0	0	0	0
SACN0253	BASS LAKE	No	232	232	0	0
SACN0254	WDNR FISH HATCHERY ST CROIX 001	No	103	91	12	0
SACN0255	ST CROIX R FishComposit 4-7 MI N O TAYLORS FALLS	Yes	0	0	0	0
SACN0256	ST CROIX R FishComposit 4-7 MI N O TAYLORS FALLS	Yes	56	56	0	0
SACN0257	WDNR FISH HATCHERY ST CROIX 002	No	24	18	6	0
SACN0258	ST CROIX R BEL ST CROIX FALLS	No	133	133	0	0
SACN0259	WDNR FISH HATCHERY ST CROIX 003	No	42	36	6	0
SACN0260	WILLOW R BELOW MOUND POND DAM	No	280	280	0	0
SACN0261	ST. CROIX RIVER AT TAYLORS FALLS, MN	No	100	0	100	0
SACN0262	LAKE O'DALLES	No	0	0	0	0
SACN0263	WILLOW R CTH A BLW MOUNDS POND	No	30	30	0	0
SACN0264	SOMERSET LAKE	No	0	0	0	0
SACN0265	APPLE R @ APPLE R. EATERY (4)	No	100	100	0	0
SACN0266	DIKE 4&5 FLOWAGE	No	26	0	26	0
SACN0267	PINE ISLAND LAKE	No	23	0	23	0
SACN0268	WOLF LAKE	No	24	0	24	0
SACN0269	TURTLE LAKE	No	22	0	22	0
SACN0270	APPLE R @ SOMERSET CAMP (5)	No	137	137	0	0
SACN0271	SAND CREEK NEAR HINCKLEY, MN	No	1	0	0	1
SACN0272	ST CROIX R 08 WI INTRSTATE PARK	No	20	20	0	0
SACN0273	APPLE R. BELOW DUTCHTOWN (7)	No	33	33	0	0
SACN0274	APPLE R ABOVE DUTCHTOWN (6)	No	0	0	0	0
SACN0275	MILL POND ON WILLOW RIVER	No	18	18	0	0
SACN0276	APPLE R W/BK 140FT DNST FOOTBDGE	No	57	0	57	0
SACN0277	APPLE R W/BK 340FT DNST FOOTBDGE	No	57	0	57	0
SACN0278	APPLE R WESTBANK UNDER HY64 BDGE	No	84	0	84	0
SACN0279	APPLE R W/BANK 10FT UPST FOOTBDG	No	57	0	57	0
SACN0280	TRADE RIV 100 YDS ABV STH 87	No	0	0	0	0
SACN0281	APPLE R @ SOMERSET VILLAGE PARK	No	128	128	0	0
SACN0282	WDNR FISH HATCHERY OSCEOLA	No	92	51	41	0
SACN0283	APPLE R @ CABLE CROSSING (9)	No	142	142	0	0
SACN0284	WOOD RIVER DAM AT GRANTSBURG	No	0	0	0	0

Station Period of Record Tabulation
From 07/15/26 To 04/17/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75
SACN0285	WILLOW RIVER BELW MILL POND DAM	No	9	9	0	0
SACN0286	ORR LAKE	No	22	0	22	0
SACN0287	LITTLE FALLS LAKE ON WILLOW R	No	0	0	0	0
SACN0288	CLOSE SLU (ST. CROIX RIVER) NEAR OSCEOLA, WI	Yes	0	0	0	0
SACN0289	CLOSE SLU (ST. CROIX RIVER) NEAR OSCEOLA, WI	Yes	58	0	58	0
SACN0290[1]	PERCH LAKE AT DEEPEST POINT	No	219	219	0	0
SACN0291	WILLOW R 10 LITTLE FALLS FLOW	No	0	0	0	0
SACN0292	LITTLE FALLS LAKE MIDDLE OF L	No	218	218	0	0
SACN0293	ST. CROIX RIVER AT FRANCONIA, MN	Yes	52	0	52	0
SACN0294	ST. CROIX RIVER AT FRANCONIA, MN	Yes	0	0	0	0
SACN0295	APPLE FALLS FLOWAGE	No	47	0	47	0
SACN0296	PINE LAKE MIDDLE OF LAKE	No	158	158	0	0
SACN0297	SC 44.8	Yes	91	0	0	91
SACN0298	WILLOW R SLAUGHTERHOUSE HOLE	No	29	29	0	0
SACN0299[1]	ST CROIX R. SH-243 AT OSCEOLA,WI	Yes	439	0	0	439
SACN0300	ST CROIX R. SH-243 AT OSCEOLA,WI	Yes	0	0	0	0
SACN0301	WILLOW R 600 YD BLW L FALLS DAM	No	35	35	0	0
SACN0302	PINE LAKE	No	25	25	0	0
SACN0303	WILLOW R ABV BIFURCATION	No	29	29	0	0
SACN0304[1]	WILLOW RIVER BELOW LITTLE FALLS	No	868	868	0	0
SACN0305[1]	APPLE RIVER NEAR SOMERSET, WI	No	1316	0	1267	49
SACN0306	WILLOW RIVER	No	118	0	0	118
SACN0307	ST. CROIX RIVER NEAR OSCEOLA, WI	Yes	88	0	88	0
SACN0308	APPLE FALLS FLOWAGE	No	15	15	0	0
SACN0309	ST CROIX R 08 NEVERS SITE	No	0	0	0	0
SACN0310	ST CROIX RIVER ABV NEVERS DAM	Yes	0	0	0	0
SACN0311	APPLE R 15 APPLE FALLS FLOWAGE	No	0	0	0	0
SACN0312	HAY CR SEC 16 ADJ TO STH 70	No	0	0	0	0
SACN0313[1]	KETTLE RIVER NEAR CLOVERDALE, MINN	No	462	36	426	0
SACN0314	KINNICKINNIC RIVER CTH F BRIDGE	No	0	0	0	0
SACN0315	KINNICKINNIC RIVER	No	70	0	0	70
SACN0316	KINNICKINNIC RIVER NEAR RIVER FALLS, WI	No	27	0	0	27
SACN0317	TRADE R TWN RD SEC. 9, T36, R19W	No	0	0	0	0
SACN0318	LAKE MALLALIEU	No	36	36	0	0
SACN0319	ST CROIX R 07 APPLE R VALLEY	No	19	19	0	0
SACN0320	ST. CROIX T29N R20W S36	Yes	28	0	28	0
SACN0321	MARINE OM ST. CROIX	Yes	126	0	126	0
SACN0322	ST. CROIX FLOWAGE	Yes	45	0	45	0
SACN0323	LAKE: ST. CROIX AT LAKE ST CROIX BEACH	Yes	0	0	0	0
SACN0324	LAKE: ST. CROIX AT LAKE ST CROIX BEACH	Yes	190	164	0	26
SACN0325	LAKE MALLALIEU	Yes	91	0	0	91
SACN0326	ST CROIX LAKE	Yes	206	0	0	206
SACN0327	ST CROIX LAKE	Yes	206	0	0	206
SACN0328	MISSISSIPPI RIVER AT PRESCOT	No	406	0	70	336
SACN0329	U M 808.5	No	226	0	0	226
SACN0330	ST CROIX R AT SNAKE R MOUTH	Yes	28	28	0	0
SACN0331	ST CROIX R AT SNAKE R MOUTH	Yes	0	0	0	0
SACN0332	MALLALIEU LAKE	Yes	468	115	75	278
SACN0333	MALLALIEU LAKE	Yes	24	0	24	0
SACN0334	WOOD R 1 MI ABOVE ST CROIX RIV	No	0	0	0	0
SACN0335	ST CROIX RIVER 09 AT HWY 70	No	0	0	0	0
SACN0336[1]	SNAKE R. AT MOUTH E OF PINE CITY	Yes	1137	0	0	1137
SACN0337	SNAKE R. AT MOUTH E OF PINE CITY	Yes	0	0	0	0
SACN0338	ST. CROIX RIVER AT MARINE ON ST. CROIX, MN	Yes	493	0	3	490
SACN0339	ST. CROIX RIVER AT MARINE ON ST. CROIX, MN	Yes	52	0	52	0
SACN0340	PRESCOTT	No	98	0	98	0
SACN0341[1]	ST CROIX 05 HUDSON	Yes	699	661	38	0
SACN0342	MARINE ON THE ST. CROIX	Yes	2	0	2	0
SACN0343	ST CROIX RIVER @ HUDSON	Yes	64	64	0	0
SACN0344	ST CROIX R AT MARINE-ON-ST CROIX	Yes	0	0	0	0
SACN0345	MARINE-ON-ST. CROIX	Yes	96	0	96	0
SACN0346	ST CROIX R AT MARINE-ON-ST CROIX	Yes	249	143	106	0
SACN0347	VALLEY BRANCH STREAM	Yes	91	0	0	91
SACN0348	SC 19.5	Yes	207	0	0	207
SACN0349	SC 16.5	Yes	499	0	0	499
SACN0350	SC 8.0	Yes	163	0	0	163
SACN0351	ST CROIX LAKE	Yes	130	0	0	130
SACN0352	ST CROIX LAKE	Yes	130	0	0	130
SACN0353	ST. CROIX RIVER FROM RR BRIDGE AT HUDSON, WI	Yes	0	0	0	0
SACN0354[1]	ST. CROIX RIVER FROM RR BRIDGE AT HUDSON, WI	Yes	6387	1399	2394	2594
SACN0355	ST CROIX LAKE	Yes	99	0	0	99

Station Period of Record Tabulation
From 07/15/26 To 04/17/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75
SACN0356	ST CROIX LAKE	Yes	104	0	0	104
SACN0357	SC 11.3	Yes	78	0	0	78
SACN0358	ST CROIX RIV.NEAR MISS.RIV.JUNCT	No	84	0	0	84
SACN0359	TROUT BROOK	No	86	0	0	86
SACN0360	ANDERSEN CORP. BAYPORT MN	Yes	75	0	0	75
SACN0361[1]	ST CROIX R AT AFTON	Yes	176	121	55	0
SACN0362	WSP ALLEN S KING POWER PT	Yes	0	0	0	0
SACN0363	NSP ALLEN S KING POWER PT	Yes	0	0	0	0
SACN0364	ST CROIX R AT AFTON	Yes	0	0	0	0
SACN0365	ST. CROIX RIVER AT AFTON, MN	Yes	19	0	19	0
SACN0366[1]	ST CROIX R. SH-70 E OF PINE CITY	Yes	1251	70	0	1181
SACN0367	ST CROIX R. SH-70 E OF PINE CITY	Yes	0	0	0	0
SACN0368	PRESCOTT	No	2	0	2	0
SACN0369	LAKE: SAND 1.5 MI S OF SCANDIA	No	0	0	0	0
SACN0370	LAKE: SAND 1.5 MI S OF SCANDIA	No	0	0	0	0
SACN0371	HASTINGS	No	2	0	2	0
SACN0372	DUMMY NAME	No	66	0	66	0
SACN0373	STILLWATER MN WWTP INFLUENT	Yes	66	0	0	66
SACN0374	LAKE: LITTLE 2 MI NE OF LINDSTROM	No	0	0	0	0
SACN0375	LAKE: LITTLE 2 MI NE OF LINDSTROM	No	14	0	14	0
SACN0376	ST CROIX RIVER 07 STILLWATER	Yes	34	18	16	0
SACN0377	COWAN CR 1.5 MI SO OF COUNTY LNE	No	0	0	0	0
SACN0378	LAKE: LITTLE CARNELIAN 6 MI S OF MARINE	No	0	0	0	0
SACN0379	LAKE: LITTLE CARNELIAN 6 MI S OF MARINE	No	281	281	0	0
SACN0380[1]	MISSISSIPPI R. BY CONFLUENCE WITH ST. CROIX R.	No	613	298	315	0
SACN0381	MISSISSIPPI R. BY CONFLUENCE WITH ST. CROIX R.	No	0	0	0	0
SACN0382	ST CROIX RIVER	Yes	63	0	0	63
SACN0383	MISSISSIPPI RIVER AT PRESCOTT, WI	No	31	0	0	31
SACN0384	ST. CROIX R DNSTRM OF MN-212 BR IN STILLWATER	Yes	0	0	0	0
SACN0385[1]	ST. CROIX R DNSTRM OF MN-212 BR IN STILLWATER	Yes	1772	600	444	728
SACN0386	SC 23.3	Yes	545	0	0	545
SACN0387	MISSISSIPPI RIVER 030 PRESCOTT	Yes	102	78	24	0
SACN0388[1]	ST. CROIX RIVER AT STILLWATER, MN	Yes	2509	0	2385	124
SACN0389	St Croix R US Hwy 10 bridge Prescott WI	Yes	0	0	0	0
SACN0390[1]	ST. CROIX RIVER AT PRESCOTT	Yes	2877	63	619	2195
SACN0391	LAKE: SQUARE 3 MI S OF MARINE	No	0	0	0	0
SACN0392[1]	LAKE: SQUARE 3 MI S OF MARINE	No	5881	1031	4787	63
SACN0393[1]	ST. CROIX RIVER AT PRESCOTT, WI	Yes	1950	0	1950	0
SACN0394[1]	ST CROIX R. USH-10 AT PT DOUGLAS	Yes	899	0	0	899
SACN0395	ST CROIX R. USH-10 AT PT DOUGLAS	Yes	0	0	0	0
SACN0396	SC0.3	Yes	0	0	0	0
SACN0397	LOWER LK ST CROIX COMP SED	Yes	65	65	0	0
SACN0398	SC 1.00	Yes	1112	0	0	1112
SACN0399	LAKE: BIG CARNELIAN 4 MI S OF MARINE	No	0	0	0	0
SACN0400[1]	LAKE: BIG CARNELIAN 4 MI S OF MARINE	No	1097	418	643	36
SACN0401	PRESCOTT	No	1	0	1	0
SACN0402	ST CROIX RIVER	Yes	98	0	0	98
SACN0403	LAKE: SOUTH CENTER AT CENTER CITY	No	321	321	0	0
SACN0404	LAKE: SOUTH CENTER AT CENTER CITY	No	0	0	0	0
SACN0405	LAKE: LILY IN STILLWATER	No	124	89	32	3
SACN0406	LAKE: LILY IN STILLWATER	No	0	0	0	0
SACN0407	MISSISSIPPI RIVER	No	70	0	0	70
SACN0408	LAKE: NORTH CENTER AT CENTER CITY	No	100	100	0	0
SACN0409	LAKE: NORTH CENTER AT CENTER CITY	No	0	0	0	0
SACN0410	Miss River at Hastings railroad bridge	No	0	0	0	0
SACN0411	BIG MARINE LAKE EAST BAY, NR FOREST LAKE, MN	No	366	0	366	0
SACN0412	LAKE: CLEAR 1.5 MI SW OF MARINE	No	0	0	0	0
SACN0413	LAKE: CLEAR 1.5 MI SW OF MARINE	No	21	0	21	0
SACN0414	LAKE: TERRAPIN 1.5 MI W OF MARINE	No	0	0	0	0
SACN0415	LAKE: MAYS 1.5 MI SW OF MARINE	No	0	0	0	0
SACN0416	BIG MARINE LAKE NORTH BAY, NR FOREST LAKE, MN	No	60	0	60	0
SACN0417	LAKE: MAYS 1.5 MI SW OF MARINE	No	21	0	21	0
SACN0418	LAKE: TERRAPIN 1.5 MI W OF MARINE	No	21	0	21	0
SACN0419	BIG MARINE LAKE SOUTH BAY, NR FOREST LAKE, MN	No	463	0	463	0
SACN0420	031N20W05CDD OUTLET OF B MARINE AT CO RD 4	No	24	0	24	0
SACN0421	LAKE: WEST BOOT 9 MI N OF STILLWATER	No	8	8	0	0
SACN0422	LAKE: WEST BOOT 9 MI N OF STILLWATER	No	0	0	0	0
SACN0423	SPRING LAKE	No	2	0	2	0
SACN0424	PROFILE EXTRUSIONS, HASTINGS, MN	No	0	0	0	0
SACN0425	HASTINGS MN WWTP INFLUENT	No	0	0	0	0
SACN0426	LAKE: BASS 4 MI SW OF MARINE	No	0	0	0	0

Station Period of Record Tabulation
From 07/15/26 To 04/17/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75
SACN0427	LAKE: BASS 4 MI SW OF MARINE	No	80	80	0	0
SACN0428	MISSISSIPPI RIVER	No	77	0	0	77
SACN0429	ST. CROIX R NEAR STEVEN'S CREEK	Yes	26	26	0	0
SACN0430	ST. CROIX R NEAR STEVEN'S CREEK	Yes	0	0	0	0
SACN0431	Miss River at Hastings US Hwy 61 bridge	No	0	0	0	0
SACN0432[1]	MISSISSIPPI RIVER BELOW L&D #2 AT HASTINGS, MN	No	4869	0	1147	3722
SACN0433	LAKE: LONG AT STILLWATER	No	0	0	0	0
SACN0434	LAKE: LONG AT STILLWATER	No	62	62	0	0
SACN0435	H.D. HUDSON MFG. HASTINGS, MN	No	0	0	0	0
SACN0436	SUNRISE R. CSAH-9 AT SUNRISE	No	155	0	0	155
SACN0437	SUNRISE R. CSAH-9 AT SUNRISE	No	0	0	0	0
SACN0438	HASTINGS	No	2	0	2	0
SACN0439	LOWER SPRING LAKE	No	2	0	2	0
SACN0440	MISSISSIPPI RIVER AT LOCK AND DAM #2 AT HASTINGS	No	0	0	0	0
SACN0441[1]	MISSISSIPPI RIVER AT LOCK AND DAM #2 AT HASTINGS	No	4352	1394	1115	1843
SACN0442	UM 815.20	No	345	0	0	345
SACN0443[1]	MISSISSIPPI RIVER AT L&D #2 AT HASTINGS, MN	No	1900	0	1900	0
SACN0444[1]	MISS R.LOCK+DAM # 2 HASTINGS,MN.	No	2835	1074	1761	0
SACN0445[1]	LAKE: REBECCA IN HASTINGS	No	167	143	24	0
SACN0446	LAKE: REBECCA IN HASTINGS	No	0	0	0	0
SACN0447	MISSISSIPPI RIVER	No	70	0	0	70
SACN0448	BEAVER CK (CD-3) AT N/S RD BTN S7/8 (T35N,R20W)	No	19	0	19	0
SACN0449	BEAVER CK (CD-3) AT N/S RD BTN S7/8 (T35N,R20W)	No	0	0	0	0
SACN0450	SPRING LAKE	No	93	0	0	93
SACN0451	ROCK CREEK NEAR RUSH CITY, MN	No	29	0	0	29
SACN0452[1]	N BR SUNRISE R AT MN-95, 4 MI E OF NORTH BRANCH	No	1630	787	601	242
SACN0453	N BR SUNRISE R AT MN-95, 4 MI E OF NORTH BRANCH	No	0	0	0	0
SACN0454	NORTH BRANCH SUNRISE RIVER NEAR NORTH BRANCH, MN	No	1	0	0	1
SACN0455[1]	RUSH CREEK CR-56 BY RUSH CITY	No	2984	0	595	2389
SACN0456	RUSH CREEK CR-56 BY RUSH CITY	No	0	0	0	0
SACN0457	DITCH TO BEAVER CK W OF CR-69 IN T35N/R21W/S12	No	19	0	19	0
SACN0458	BEAVER CK (CD-3) AT RD BTN S12, 13 (T35N,R21W)	No	0	0	0	0
SACN0459	BEAVER CK (CD-3) AT RD BTN S12, 13 (T35N,R21W)	No	19	0	19	0
SACN0460	RUSH CREEK NEAR RUSH CITY, MN	No	1	0	0	1
SACN0461	DITCH TO BEAVER CK W OF CR-69 IN T35N/R21W/S12	No	0	0	0	0
SACN0462	GOOSE CK AT RD BTN S11/14 3 MI NE OF HARRIS	No	0	0	0	0
SACN0463	GOOSE CK AT RD BTN S11/14 3 MI NE OF HARRIS	No	31	0	31	0
SACN0464	BEAVER CK (CD-3)AT RD BTN S10, S15 (T35N,R21W)	No	0	0	0	0
SACN0465	BEAVER CK (CD-3)AT RD BTN S10, S15 (T35N,R21W)	No	19	0	19	0
SACN0466	BEAVER CK (CD-3) AT RD BTN S3,S10 (T35N,R21W)	No	19	0	19	0
SACN0467	BEAVER CK (CD-3) AT RD BTN S3,S10 (T35N,R21W)	No	0	0	0	0
SACN0468	GOOSE CREEK AT CSAH-9 2 MI NW OF HARRIS	No	30	0	30	0
SACN0469	GOOSE CREEK AT CSAH-9 2 MI NW OF HARRIS	No	0	0	0	0

[1]Longer Term Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Parameter Code	Name	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	295	0	0	295	6	6
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	6398	3191	2318	889	254	53
00007	DISTANCE FROM LOCATION IN Y MILES	4	0	0	4	1	0
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	2415	1850	232	333	142	31
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	5688	1703	2641	1344	149	38
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	857	0	105	752	22	9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	143	8	135	0	20	11
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	106	1	87	18	58	2
00023	SAMPLE WEIGHT IN POUNDS	696	475	216	5	64	24
00024	SAMPLE LENGTH IN INCHES	816	476	239	101	68	25
00025	BAROMETRIC PRESSURE (MM OF HG)	29	11	18	0	12	7
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	667	316	350	1	26	12
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	1290	650	585	55	57	26
00032	CLOUD COVER (PERCENT)	165	92	73	0	61	3
00035	WIND VELOCITY (MILES PER HOUR)	4	0	4	0	1	0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	4	0	4	0	1	0
00037	WIND FORCE (BEAUFORT UNITS)	24	0	7	17	4	1
00038	WIND DIRECTION (WMO CODES 0885 + 0887)	19	0	5	14	3	1
00040	WIND DIRECTION, AZIMUTH	4	0	4	0	3	2
00041	WEATHER (WMO CODE 4501)	8	0	5	3	3	1
00043	CLOUD TYPE (WMO CODE 0500)	4	0	4	0	1	0
00044	CLOUD AMOUNT (WMO CODE 2700)	27	0	9	18	4	1
00049	SURFACE AREA IN SQUARE MILES	6	0	5	1	2	1
00057	FLOW, INDICATES IT HAS BEEN CHECKED	111	0	111	0	1	0
00060	FLOW, STREAM, MEAN DAILY CFS	994	0	232	762	28	16
00061	FLOW, STREAM, INSTANTANEOUS CFS	662	189	442	31	29	13
00065	STAGE, STREAM (FEET)	70	56	14	0	8	4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	626	0	122	504	15	10
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	367	0	0	367	11	8
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	62	0	0	62	9	6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	985	130	451	404	117	16
00077	TRANSPARENCY, SECCHI DISC (INCHES)	146	3	100	43	72	9
00078	TRANSPARENCY, SECCHI DISC (METERS)	1196	1011	148	37	56	1
00080	COLOR (PLATINUM-COBALT UNITS)	1001	113	330	558	77	16
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	39	29	10	0	7	0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	232	6	226	0	9	1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3341	955	1769	617	192	35
00098	SAMPLING STATION LOCATION VERTICAL (METERS)	1386	274	1112	0	22	0
00100	TIME OF TRAVEL (HOURS)	6	0	0	6	1	1
00134	STORM EVENT SERIAL NUMBER MAXIMUM OF 6 SIG.FIG.	4	4	0	0	3	0
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	462	340	122	0	9	3
00154	SULFATE (AS S) WHOLE WATER, MG/L	10	0	10	0	10	0
00157	RESIDUE,TOTAL VOLATILE,IN WHOLE WATER, % REMOVAL	5	5	0	0	2	0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	197	56	141	0	3	0
00300	OXYGEN, DISSOLVED MG/L	6105	1478	2577	2050	180	42
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	821	0	366	455	22	14
00303	BOD, 1DAY, 20 DEG C MG/L	3	0	0	3	2	1
00304	BOD, 2 DAY, 20 DEG C MG/L	63	0	0	63	5	4
00305	BOD, 3 DAY, 20 DEG C MG/L	2	0	0	2	2	1
00310	BOD, 5 DAY, 20 DEG C MG/L	2191	335	588	1268	47	20
00312	BOD, 6 DAY, 20 DEG C MG/L	66	18	44	4	8	3
00315	BOD, 7 DAY, 20 DEG C MG/L	3	0	0	3	2	1
00335	COD, .025N K2CR2O7 MG/L	215	62	132	21	10	5
00340	COD, .25N K2CR2O7 MG/L	56	0	54	2	2	1
00400	PH (STANDARD UNITS)	3822	880	1383	1559	133	37
00403	PH, LAB, STANDARD UNITS SU	1610	629	847	134	147	18
00405	CARBON DIOXIDE (MG/L AS CO2)	294	0	258	36	15	8
00406	PH, FIELD, STANDARD UNITS SU	4	4	0	0	3	0
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10	0	10	0	10	0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	2116	342	864	910	159	31
00413	ALKALINITY,TOTAL,LOW LEVEL GRAN ANAL MG/L(CAC03)	216	83	133	0	1	0
00417	ALKALINITY,FIXED ENDPOINT TITRATION, USGS LAB MG/L	101	0	101	0	1	0
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	5	0	0	5	5	4
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	30	16	14	0	15	0
00440	BICARBONATE ION (MG/L AS HCO3)	260	0	210	50	20	8
00445	CARBONATE ION (MG/L AS CO3)	225	0	190	35	20	8
00496	LOSS ON IGNITION, BOTTOM DEPOSITS (MG/KG)	4	4	0	0	2	0
00500	RESIDUE, TOTAL (MG/L)	1061	62	333	666	35	13
00505	RESIDUE, TOTAL VOLATILE (MG/L)	449	64	98	287	30	10
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	14	0	0	14	6	3
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	2477	810	759	908	71	18

Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Parameter Code	Name	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	857	8	136	713	30	15
00549	RESIDUE, VOLATILE NONSETTLEABLE (MG/L)	6	0	6	0	1	0
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	5	0	2	3	2	1
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	31	1	0	30	10	6
00557	OIL & GREASE,SED,DRY WT,FREON EXTR-GRAV METH,MG/KG	2	2	0	0	2	1
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	11	0	11	0	2	1
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	11	0	11	0	2	1
00600	NITROGEN, TOTAL (MG/L AS N)	451	1	358	92	91	19
00602	NITROGEN, DISSOLVED (MG/L AS N)	13	0	13	0	1	0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	1826	340	886	600	124	29
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	14	0	14	0	2	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	1532	734	646	152	110	9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1940	348	663	929	73	36
00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	10	8	2	0	5	1
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	186	6	137	43	67	6
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	815	7	326	482	48	23
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	497	99	298	100	67	6
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	975	0	258	717	44	23
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	51	20	31	0	3	0
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	26	0	26	0	1	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	2089	1020	872	197	97	26
00626	NITROGEN,ORG. KJEL.,BOT. DEPOS. (MG/KG-N DRY WGT)	6	4	2	0	2	0
00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	9	9	0	0	7	1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	1203	388	586	229	81	28
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	922	519	366	37	43	8
00633	NITRITE PLUS NITRATE,BOT. DEPOS. (MG/KG-N DRY WT)	6	4	2	0	2	0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	81	2	19	60	18	9
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	90	0	9	81	14	4
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10	0	10	0	10	0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	3718	1388	1457	873	191	38
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	610	190	290	130	29	13
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	10	8	2	0	5	1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	1263	556	582	125	91	11
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	323	19	295	9	37	15
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	24	0	24	0	11	0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	1	0	1	0	1	1
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	14	0	14	0	1	0
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10	0	10	0	10	0
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	147	11	110	26	17	11
00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	1	0	1	0	1	1
00745	SULFIDE, TOTAL (MG/L AS S)	21	0	0	21	8	5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1513	216	609	688	88	16
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	302	0	251	51	18	6
00910	CALCIUM (MG/L AS CACO3)	419	31	193	195	41	6
00915	CALCIUM, DISSOLVED (MG/L AS CA)	671	117	505	49	27	6
00916	CALCIUM, TOTAL (MG/L AS CA)	357	207	98	52	86	4
00920	MAGNESIUM (MG/L AS CACO3)	180	31	129	20	31	6
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	1	0	1	0	1	0
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	682	117	516	49	37	6
00927	MAGNESIUM, TOTAL (MG/L AS MG)	357	207	98	52	86	4
00929	SODIUM, TOTAL (MG/L AS NA)	233	83	98	52	77	3
00930	SODIUM, DISSOLVED (MG/L AS NA)	995	133	628	234	60	11
00931	SODIUM ADSORPTION RATIO	348	8	298	42	26	6
00932	SODIUM, PERCENT	347	8	297	42	26	6
00933	SODIUM,PLUS POTASSIUM (MG/L)	9	0	9	0	5	3
00935	POTASSIUM, DISSOLVED (MG/L AS K)	992	133	629	230	60	11
00937	POTASSIUM, TOTAL MG/L AS K)	233	84	97	52	77	3
00940	CHLORIDE,TOTAL IN WATER MG/L	2269	405	1005	859	161	26
00941	CHLORIDE, DISSOLVED IN WATER MG/L	13	3	10	0	11	0
00945	SULFATE, TOTAL (MG/L AS SO4)	1088	201	672	215	70	13
00946	SULFATE, DISSOLVED (MG/L AS SO4)	3	3	0	0	1	0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	788	37	515	236	43	11
00951	FLUORIDE, TOTAL (MG/L AS F)	78	0	76	2	7	2
00955	SILICA, DISSOLVED (MG/L AS SI02)	570	172	360	38	47	8
00956	SILICA, TOTAL (MG/L AS SI02)	18	0	10	8	2	1
01000	ARSENIC, DISSOLVED (UG/L AS AS)	93	6	84	3	6	2
01001	ARSENIC, SUSPENDED (UG/L AS AS)	51	0	50	1	5	2
01002	ARSENIC, TOTAL (UG/L AS AS)	508	18	267	223	28	13
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	3	2	1	0	3	2
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	40	0	40	0	3	2
01005	BARIUM, DISSOLVED (UG/L AS BA)	88	6	81	1	8	2

Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Parameter Code	Name	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01006	BARIUM, SUSPENDED (UG/L AS BA)	62	0	62	0	5	2
01007	BARIUM, TOTAL (UG/L AS BA)	153	3	120	30	26	12
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	24	6	17	1	7	2
01012	BERYLLIUM, TOTAL (UG/L AS BE)	38	3	32	3	11	5
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	2	2	0	0	2	1
01019	CADMIUM (CD), BOTTOM DEPOSITS, TOTAL, WET WT,MG/KG	1	0	1	0	1	0
01020	BORON, DISSOLVED (UG/L AS B)	59	0	54	5	7	2
01021	BORON, SUSPENDED (UG/L AS B)	53	0	51	2	5	2
01022	BORON, TOTAL (UG/L AS B)	131	0	108	23	17	10
01025	CADMIUM, DISSOLVED (UG/L AS CD)	93	6	84	3	6	2
01026	CADMIUM, SUSPENDED (UG/L AS CD)	66	0	65	1	5	2
01027	CADMIUM, TOTAL (UG/L AS CD)	722	47	339	336	33	14
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	6	4	2	0	5	2
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	13	11	2	0	11	3
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	92	6	83	3	6	2
01031	CHROMIUM, SUSPEND (UG/L AS CR)	69	0	68	1	5	2
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	22	0	4	18	12	8
01034	CHROMIUM, TOTAL (UG/L AS CR)	302	43	229	30	33	14
01035	COBALT, DISSOLVED (UG/L AS CO)	88	6	79	3	6	2
01036	COBALT, SUSPENDED (UG/L AS CO)	65	0	64	1	5	2
01037	COBALT, TOTAL (UG/L AS CO)	116	3	109	4	12	5
01040	COPPER, DISSOLVED (UG/L AS CU)	169	26	139	4	7	2
01041	COPPER, SUSPENDED (UG/L AS CU)	74	0	71	3	6	2
01042	COPPER, TOTAL (UG/L AS CU)	733	56	336	341	36	14
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	15	13	2	0	7	3
01044	IRON, SUSPENDED (UG/L AS FE)	47	3	44	0	7	2
01045	IRON, TOTAL (UG/L AS FE)	613	12	273	328	34	13
01046	IRON, DISSOLVED (UG/L AS FE)	594	275	315	4	19	5
01049	LEAD, DISSOLVED (UG/L AS PB)	166	26	137	3	7	2
01050	LEAD, SUSPENDED (UG/L AS PB)	70	0	69	1	5	2
01051	LEAD, TOTAL (UG/L AS PB)	665	52	325	288	33	14
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	24	22	2	0	11	3
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	9	9	0	0	1	0
01054	MANGANESE, SUSPENDED (UG/L AS MN)	79	3	73	3	9	2
01055	MANGANESE, TOTAL (UG/L AS MN)	769	72	362	335	106	15
01056	MANGANESE, DISSOLVED (UG/L AS MN)	601	276	321	4	29	5
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	17	6	10	1	2	0
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	82	3	77	2	8	2
01065	NICKEL, DISSOLVED (UG/L AS NI)	79	6	72	1	8	2
01066	NICKEL, SUSPENDED (UG/L AS NI)	55	0	55	0	5	2
01067	NICKEL, TOTAL (UG/L AS NI)	616	9	267	340	25	12
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	2	0	2	0	2	1
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	2	0	2	0	1	0
01075	SILVER, DISSOLVED (UG/L AS AG)	86	6	79	1	6	2
01076	SILVER, SUSPENDED (UG/L AS AG)	59	0	59	0	5	2
01077	SILVER, TOTAL (UG/L AS AG)	162	3	134	25	24	12
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	26	9	14	3	6	1
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	3	0	1	2	2	1
01082	STRONTIUM, TOTAL (UG/L AS SR)	3	0	1	2	2	1
01085	VANADIUM, DISSOLVED (UG/L AS V)	19	6	12	1	3	1
01087	VANADIUM, TOTAL (UG/L AS V)	1	0	0	1	1	0
01090	ZINC, DISSOLVED (UG/L AS ZN)	170	26	139	5	7	2
01091	ZINC, SUSPENDED (UG/L ZN)	69	0	67	2	5	2
01092	ZINC, TOTAL (UG/L AS ZN)	654	26	289	339	33	14
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	1	0	1	0	1	1
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	2	0	2	0	2	0
01105	ALUMINUM, TOTAL (UG/L AS AL)	113	21	86	6	34	6
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	224	83	138	3	7	2
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	52	0	50	2	5	2
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	1	0	1	0	1	0
01130	LITHIUM, DISSOLVED (UG/L AS LI)	17	6	10	1	2	0
01132	LITHIUM, TOTAL (UG/L AS LI)	4	0	2	2	2	1
01145	SELENIUM, DISSOLVED (UG/L AS SE)	92	6	84	2	6	2
01146	SELENIUM, SUSPENDED (UG/L AS SE)	66	0	65	1	5	2
01147	SELENIUM, TOTAL (UG/L AS SE)	396	9	177	210	23	11
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	4	4	0	0	4	2
01501	ALPHA, TOTAL	46	0	1	45	9	6
01502	ALPHA, TOTAL, COUNTING ERROR	11	0	0	11	5	4
01503	ALPHA, DISSOLVED	16	0	0	16	4	3
01505	ALPHA, SUSPENDED	17	0	0	17	3	2
03501	BETA, TOTAL	56	0	1	55	11	8

Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Parameter Code	Name	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
03502	BETA, TOTAL, COUNTING ERROR	42	0	0	42	8	5
03503	BETA, DISSOLVED	47	0	0	47	5	4
03504	BETA, DISSOLVED, COUNTING ERROR	1	0	0	1	1	1
03505	BETA, SUSPENDED	24	0	0	24	4	3
04263	INVALID PARAMETER	32	32	0	0	7	6
04588	INVALID PARAMETER	3	3	0	0	2	1
04589	INVALID PARAMETER	3	3	0	0	2	1
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	11	6	2	3	3	1
07001	TRITIUM,TOTAL,COUNTING ERROR (PICOCURIES/LITER)	3	0	0	3	1	1
10217	PCB CONGENER IUPAC #101 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19190	PCB CONGENER IUPAC #7 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19191	PCB CONGENER IUPAC #6 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19192	PCB CONGENER IUPAC #5/8 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19193	PCB CONGENER IUPAC #19 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19194	PCB CONGENER IUPAC #18 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19195	PCB CONGENER IUPAC #17 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19196	PCB CONGENER IUPAC #24/27 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19197	PCB CONGENER IUPAC #16/32 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19198	PCB CONGENER IUPAC #26 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19199	PCB CONGENER IUPAC #28/31 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19200	PCB CONGENER IUPAC #33 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19201	PCB CONGENER IUPAC #22 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19202	PCB CONGENER IUPAC #45 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19203	PCB CONGENER IUPAC #46 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19204	PCB CONGENER IUPAC #52 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19205	PCB CONGENER IUPAC #49 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19206	PCB CONGENER IUPAC #47/48 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19207	PCB CONGENER IUPAC #44 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19208	PCB CONGENER IUPAC #37/42 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19209	PCB CONGENER IUPAC #41/64/71 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19210	PCB CONGENER IUPAC #40 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19211	PCB CONGENER IUPAC #74 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19212	PCB CONGENER IUPAC #70/76 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19213	PCB CONGENER IUPAC #66/95 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19214	PCB CONGENER IUPAC #91 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19215	PCB CONGENER IUPAC #56/60 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19216	PCB CONGENER IUPAC #84/92 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19218	PCB CONGENER IUPAC #99 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19219	PCB CONGENER IUPAC #97 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19220	PCB CONGENER IUPAC #87 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19221	PCB CONGENER IUPAC #85 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19222	PCB CONGENER IUPAC #136 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19223	PCB CONGENER IUPAC #77/110 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19224	PCB CONGENER IUPAC #82 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19225	PCB CONGENER IUPAC #151 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19226	PCB CONGENER IUPAC #135/144 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19227	PCB CONGENER IUPAC #149 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19228	PCB CONGENER IUPAC #118 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19229	PCB CONGENER IUPAC #146 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19230	PCB CONGENER IUPAC #132/153 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19231	PCB CONGENER IUPAC #141 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19232	PCB CONGENER IUPAC #137/176 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19233	PCB CONGENER IUPAC #138/163 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19234	PCB CONGENER IUPAC #178 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19235	PCB CONGENER IUPAC #182/187 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19236	PCB CONGENER IUPAC #183 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19237	PCB CONGENER IUPAC #185 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19238	PCB CONGENER IUPAC #174 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19239	PCB CONGENER IUPAC #177 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19240	PCB CONGENER IUPAC #171/202 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19241	PCB CONGENER IUPAC #172/197 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19242	PCB CONGENER IUPAC #180 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19243	PCB CONGENER IUPAC #199 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19244	PCB CONGENER IUPAC #170/190 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19245	PCB CONGENER IUPAC #201 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19246	PCB CONGENER IUPAC #196/203 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19247	PCB CONGENER IUPAC #195/208 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19248	PCB CONGENER IUPAC #194 SOIL,TOTAL UG/KG	3	3	0	0	2	1
19249	PCB CONGENER IUPAC #206 SOIL,TOTAL UG/KG	3	3	0	0	2	1
30295	PROPACHLOR, WATER, WHOLE, RECOVERABLE, UG/L	9	9	0	0	1	0
30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	1	1	0	0	1	1

Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Parameter Code	Name	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	1	1	0	0	1	1
30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	1	1	0	0	1	1
30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	1	1	0	0	1	1
30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	1	1	0	0	1	1
30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	1	1	0	0	1	1
30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	1	1	0	0	1	1
30351	PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	1	1	0	0	1	1
30352	HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	1	1	0	0	1	1
30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	1	1	0	0	1	1
30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	1	1	0	0	1	1
30355	HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	1	1	0	0	1	1
30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	1	1	0	0	1	1
30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	1	1	0	0	1	1
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	19	0	4	15	2	1
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	1008	0	114	894	23	16
31610	INVALID PARAMETER	1	0	0	1	1	1
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	1228	590	601	37	34	8
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	842	0	360	482	24	11
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	242	0	88	154	17	10
31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	137	0	0	137	7	5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	233	11	222	0	16	11
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	151	151	0	0	12	3
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	151	151	0	0	12	3
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	416	161	255	0	27	11
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	1	0	0	1	1	1
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	335	53	222	60	34	16
32000	SAMPLE SIZE (LITERS)	84	84	0	0	12	0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	464	275	189	0	87	3
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	65	44	21	0	20	0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	27	0	0	27	9	6
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	22	17	5	0	10	0
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	3	0	3	0	1	0
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	3	0	3	0	1	0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	203	3	140	60	14	8
32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	1	0	1	0	1	1
33223	INVALID PARAMETER	1	0	1	0	1	0
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	1	1	0	0	1	1
34208	ACENAPHTHENE DRY WGTBOTUG/KG	1	1	0	0	1	1
34223	ANTHRACENE DRY WGTBOTUG/KG	1	1	0	0	1	1
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	1	1	0	0	1	1
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	1	1	0	0	1	1
34257	B-BHC-BETA DRY WGTBOTUG/KG	1	1	0	0	1	1
34323	CHRYSENE DRY WGTBOTUG/KG	1	1	0	0	1	1
34379	FLUORANTHENE DRY WGTBOTUG/KG	1	1	0	0	1	1
34384	FLUORENE DRY WGTBOTUG/KG	1	1	0	0	1	1
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	1	1	0	0	1	1
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	1	1	0	0	1	1
34464	PHENANTHRENE DRY WGTBOTUG/KG	1	1	0	0	1	1
34472	PYRENE DRY WGTBOTUG/KG	1	1	0	0	1	1
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	1	1	0	0	1	1
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	1	1	0	0	1	1
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	2	0	2	0	2	2
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	1	1	0	0	1	1
34670	PCB - 1260 WET WGTTISMG/KG	140	97	43	0	15	10
34671	PCB - 1016 TOTWUG/L	1	0	1	0	1	1
34674	PCB - 1016 WET WGTTISMG/KG	13	0	13	0	2	1
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	33	0	27	6	4	2
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	6	0	6	0	2	1
34685	ENDRIN WET WGTTISMG/KG	19	1	12	6	4	2
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	7	1	0	6	2	1
34687	HEPTACHLOR WET WGTTISMG/KG	7	1	0	6	2	1
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	10	1	9	0	3	2
34690	PCB - 1254 WET WGTTISMG/KG	54	48	0	6	11	8
34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	1	1	0	0	1	1
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	489	0	5	484	18	10
38578	PROPAZINE, TOTAL, WATER UG/L	9	9	0	0	1	0
38740	CHLORPYRIFOS-METHYL WATER, TOTUG/L	6	6	0	0	1	0
38787	ETHALFLURALIN WATER, TOTUG/L	9	9	0	0	1	0
38824	ISOPROPALIN TISWETWGTMG/KG	1	1	0	0	1	1
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	2	0	2	0	1	1
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2	2

Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Parameter Code	Name	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39056	PROMETONE IN WHOLE WATER (UG/L)	9	9	0	0	1	0
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	27	5	22	0	5	3
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	3	1	2	0	2	2
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	2	0	2	0	1	1
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	49	13	36	0	11	7
39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	1	0	1	0	1	1
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	2	0	2	0	1	1
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	49	13	36	0	11	7
39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	1	0	1	0	1	1
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	1	0	1	0	1	1
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	32	5	27	0	6	3
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	2	0	2	0	1	1
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	35	5	30	0	7	4
39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	1	0	1	0	1	1
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	28	1	27	0	4	3
39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	30	0	30	0	2	1
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	2	1	1	0	2	2
39105	PERCENT FAT HEXANE EXTRACTION	333	116	169	48	22	14
39160	ALACHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	1	0	0	1	1
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	7	0	7	0	3	3
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	2	0	2	0	2	2
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	6	0	0	6	1	0
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	33	0	4	29	5	3
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	3	1	2	0	2	2
39302	P P DDT IN TISSUE WET WGT (UG/G)	40	7	27	6	8	5
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	5	1	4	0	3	3
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	1
39307	O P DDT IN TISSUE WET WGT (UG/G)	40	7	27	6	8	5
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	1	1
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	1	1	0	2	2
39312	P P DDD IN TISSUE WET WGT (UG/G)	34	7	27	0	7	5
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	3	1	2	0	2	2
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	0	1	0	1	1
39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	3	1	2	0	2	1
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	1	1	0	2	2
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	50	8	36	6	9	6
39325	O,P DDD IN TISSUE WET WGT (UG/G)	34	7	27	0	7	5
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	1	1
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	1	0	1	0	1	1
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	34	7	27	0	7	5
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11	0	11	0	5	5
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	5	1	4	0	4	4
39334	ALDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	9	0	9	0	1	0
39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	2	0	2	0	1	1
39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	7	0	7	0	3	3
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	3	0	3	0	3	3
39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	1
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10	0	10	0	4	4
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	3	0	3	0	3	3
39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	10	10	0	0	2	1
39359	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	1	0	1	0	1	1
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	7	0	7	0	3	3
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	2	2
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	13	0	7	6	7	5
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	2	2
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	19	0	7	12	10	7
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	2	2
39376	DDT SUM ANALOGS INTISSUE WET WGT BASIS	8	0	3	5	1	1
39379	SUM OF ALL DDT,DDE& DDD VALUES IN WHL WATER SAMP	2	0	2	0	1	1
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11	0	11	0	5	5
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	5	1	4	0	4	4
39387	DIELDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WGT)	9	0	9	0	1	0
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	5	0	5	0	3	3
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	2	2

Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Parameter Code	Name	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	11	0	9	2	6	5
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	1	3	0	4	4
39397	ENDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	24	0	24	0	2	1
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2	2
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	0	4	0	2	2
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	7	0	7	0	3	3
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	2	0	2	0	2	2
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	49	13	30	6	12	7
39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	7	0	7	0	3	3
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	2	2
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	8	1	7	0	4	3
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	2	0	2	0	2	2
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	8	0	8	0	4	4
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	4	0	4	0	3	3
39482	METHOXYCHLOR IN FISH - UG/KG	12	0	6	6	3	1
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	92	62	30	0	9	5
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	5	4	1	0	2	1
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	1	0	1	0	1	1
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	1	0	1	0	1	1
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	1	0	1	0	1	1
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	110	67	43	0	9	5
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	1	0	1	0	1	1
39515	PCBS (MG/KG) FISH TISSUE MG/KG	445	194	198	53	34	20
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20	3	17	0	13	6
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	14	2	12	0	12	6
39525	PCBS TOTAL,FISH TISSUE WET (ISOMER ANALYSES) MG/KG	2	2	0	0	1	0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2	2
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	2	2
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2	2
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	2	2
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	10	6	4	0	3	2
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	2	2
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	10	6	4	0	3	2
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	4	0	4	0	2	2
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	9	9	0	0	1	0
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2	2
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	5	1	4	0	3	3
39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	24	0	24	0	2	1
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2	2
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	2	2
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2	2
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	2	2
39755	MIREX, TOTAL (UG/L)	8	0	8	0	4	4
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	4	0	4	0	4	4
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2	2
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	2	2
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	4	3	1	0	2	1
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	3	0	3	0	2	2
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	7	1	6	0	3	2
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2	2
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	0	4	0	2	2
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2	2
39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	4	0	4	0	2	2
39810	CHLORDANE,GAMMA,IN WHOLE WATER SAMPLE (UG/L)	4	2	2	0	3	2
46288	METHOXYCHLOR IN SOIL (DRY WGT)	1	1	0	0	1	1
46305	ATRAZINE IN SOIL (NG/G DRY WGT)	1	1	0	0	1	1
46313	PHORATE IN WHOLE WATER SAMPLE (UG/L)	6	6	0	0	1	0
46325	O,P-DDE IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1	1
46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	1	1	0	0	1	1
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	2	2	0	0	2	0
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	1	0	0	1	1	1
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	1	0	0	1	1	1
60050	ALGAE, TOTAL (CELLS/ML)	30	0	28	2	1	0
61509	ZINC SLUDGE SOLID FRACTN,DRY WT,MG/KG	13	13	0	0	5	2
61515	NICKEL SLUDGE SOLID FRACTN,DRY WT,MG/KG	4	4	0	0	4	2
61521	ARSENIC SLUDGE SOLID FRACTN,DRY WT,MG/KG	2	2	0	0	2	1
61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	14	14	0	0	7	1
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10	0	10	0	10	0
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	90	0	56	34	4	2

Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Parameter Code	Name	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	388	17	316	55	30	8
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	187	8	173	6	18	3
70302	SOLIDS, DISSOLVED-TONS PER DAY	319	0	276	43	18	6
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	342	0	297	45	23	6
70314	DACONIL(C8CL4N2) IN WATER UG/L	3	3	0	0	1	0
70318	SOLIDS, TOTAL, PERCENT OF WET SAMPLE	1	0	1	0	1	1
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	22	21	1	0	14	1
70322	SOLIDS, VOLATILE, PERCENT OF TOTAL SOLIDS	5	5	0	0	1	0
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	191	7	184	0	9	5
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	97	31	11	55	18	1
70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	4	0	4	0	2	1
70955	CHLOROPHYLL-A,PERIDHYTON UG/L,CHROMO-SPECTRO	1	0	1	0	1	0
70956	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-SPECTRO	1	0	1	0	1	0
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	6	0	6	0	2	1
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	6	0	6	0	2	1
70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	1	1	0	0	1	1
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	46	0	46	0	9	5
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	110	6	75	29	9	2
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	1	0	0	1	1	0
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	107	0	59	48	23	4
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	82	0	48	34	3	2
71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	1	0	0	1	1	0
71885	IRON (UG/L AS FE)	19	0	10	9	18	2
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	154	12	141	1	20	11
71887	NITROGEN, TOTAL, AS NO3 - MG/L	291	1	261	29	21	13
71890	MERCURY, DISSOLVED (UG/L AS HG)	188	34	152	2	7	2
71895	MERCURY, SUSPENDED (UG/L AS HG)	66	0	65	1	5	2
71900	MERCURY, TOTAL (UG/L AS HG)	521	15	279	227	32	14
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	21	19	2	0	11	3
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	342	190	103	49	47	16
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	177	177	0	0	20	5
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	45	3	42	0	5	2
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	42	0	42	0	4	2
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	42	0	42	0	4	2
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	43	1	42	0	4	2
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	1	0	0	1	1	0
72017	SERIES CODE (BM WELL DATA)	88	88	0	0	11	8
72018	SYSTEM CODE (BM WELL DATA)	66	66	0	0	10	8
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	205	69	136	0	1	0
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10	0	10	0	10	0
72025	DEPTH OF POND OR RESERVOIR IN FEET	19	0	19	0	3	0
74010	IRON, TOTAL (MG/L AS FE)	176	88	88	0	70	2
75980	ATRAZINE,DE-ISOPROPYL-, WATER, TOTAL UG/L	6	6	0	0	1	0
75981	ATRAZINE,DE-ETHYL-, WATER, TOTAL UG/L	6	6	0	0	1	0
76530	BIPHENYL TISSUE ,WET WGT,MG/KG	1	1	0	0	1	1
77780	BLADEX 2-(4-CHLORO-6-ETHYLAMINO-S*WHOLE WATER,UG/L	1	1	0	0	1	1
77825	ALACHLOR WHOLE WATER,UG/L	9	9	0	0	1	0
78397	2,4,5-TRICHLOROPHENOL SEDWETWTMG/KG	1	1	0	0	1	1
78679	PERYLENE IN SEDIMENT UG/KG	1	1	0	0	1	1
78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	1	1	0	0	1	1
78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	1	1	0	0	1	1
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	10	10	0	0	7	5
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	8	8	0	0	5	4
78924	NONACHLOR, CIS, SEDIMENT, DRY WEIGHT UG/KG	2	2	0	0	2	1
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	130	101	29	0	12	6
78928	PCB 1248/1254, TISSUE, WET WEIGHT MG/KG	1	1	0	0	1	1
78929	PCB 1254/1260, TISSUE, WET WEIGHT MG/KG	3	3	0	0	1	1
78934	PCB 1242/1254, WATER, WHOLE UG/L	1	1	0	0	1	1
79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	1	1	0	0	1	1
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	29	27	2	0	5	2
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	227	11	209	7	10	5
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	193	0	185	8	10	5
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10	0	10	0	10	0
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	9	9	0	0	1	0
81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	1	1	0	0	1	1
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	9	9	0	0	1	0
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	598	354	136	108	46	18
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	7	0	7	0	3	1
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	31	1	30	0	3	2
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	1	1	0	0	1	1
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	1	1	0	0	1	1

Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Parameter Code	Name	Total Obs	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
81666	ALUMINUM IN FISH TISSUE WET WEIGHT MG/KG	2	0	2	0	1	0
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	9	9	0	0	1	0
81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	1	1	0	0	1	1
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	1	1	0	0	1	1
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	2	0	2	0	2	2
81894	EPTC (EPTAM) IN WHOLE WATER SAMPLE UG/L	3	3	0	0	1	0
81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	5	0	0	5	1	1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	12	7	5	0	5	0
81906	DESCRIPTION OF SAMPLE	173	173	0	0	5	3
81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	14	14	0	0	6	3
81984	TOTAL SEDIMENT PARTICLE SIZE %COARSER THAN 8.00PHI	3	3	0	0	1	0
82005	PERCENT TOTAL CARBON(INORG.&ORG.) IN SED DRY WGT	1	0	1	0	1	0
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	1	1	0	0	1	1
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10	0	10	0	10	0
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	30	0	30	0	8	3
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0	10	0	10	0
82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	9	6	3	0	2	0
82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	9	6	3	0	2	0
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	9	9	0	0	1	0
82183	2,4-DP (DICHLORPROP) TOTAL UG/L	4	0	4	0	2	2
82294	NITROGEN, AMMONIA, SLUDGE, TOT,DRY WT, AS N, MG/KG	5	5	0	0	4	0
82398	SAMPLING METHOD (CODES)	79	18	60	1	16	10
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	9	9	0	0	1	0
82614	DYFONATE (FONOFOS), WATER, TOTAL RECOVERABLE, UG/L	9	9	0	0	1	0
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	34	31	3	0	5	0
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	6	4	2	0	5	0
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	6	4	2	0	5	0
84007	ANATOMY ALPHA CODE	569	282	179	108	40	19
84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	111	0	14	97	4	1
84014	SPECIES SEX CODE	131	131	0	0	14	3
84068	SERIES CODE ALPHA-NUMERIC CODE	11	11	0	0	1	0
85301	TROPHIC STATE OF LAKE BY ANALYSIS OF DATA NES	2	0	0	2	2	1
85302	STRATIFICATION,PERMANENT SUMMER IN LAKE NES	3	0	0	3	3	2
85303	FISH YIELD IN KG/KM2/YEAR NES	3	0	0	3	3	2
85304	ALGAL ASSAY CONTROL YIELD NES	1	0	0	1	1	0
85305	RETENTION TIME, MEAN HYDRAULIC IN DAYS NES	2	0	0	2	2	1
85307	LATITUDE, NES SURVEY SINGLE VALUE FOR LAKE STNS.	3	0	0	3	3	2
85308	LONGITUDE, SINGLE VALUE FOR LAKE STATIONS NES	3	0	0	3	3	2
85309	PRECIPITATION FOR LAKE FOR YEAR SAMPLE NES CM/YR	2	0	0	2	2	1
85310	DEPTH, MAXIMUM FOR LAKE NES SURVEY IN METERS	2	0	0	2	2	1
85311	DEPTH, MEAN VALUE FOR LAKE IN METERS NES	2	0	0	2	2	1
85312	ROUNDS FOR LAKE IN NUMBER AND TO TOTAL	2	0	0	2	2	1
85313	ORTHO-PHOSPHATE NES ALGAL ASSAY MG/L	1	0	0	1	1	0
85316	P-LOADING FOR LAKE AND TRIB,MSTP,SEP,IND-GM2/YR	1	0	0	1	1	1
85317	FLOW, MEAN INLET BY MONTH,TRIBUTARIES NES CMS	1	0	0	1	1	1
85318	FLOW, MEAN OUTLET BY MONTH, TRIBUTARIES NES CMS	1	0	0	1	1	1
85319	NITROGEN, TOTAL YR.LOAD RATE FOR LAKE NES G/M2/YR	1	0	0	1	1	1
85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
85682	NITROFEN TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
85683	PERTHANE TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	1	1	0	0	1	1
85753	TOXAPHENE LIKE COMPOUNDS, SOIL, DRY WT, MG/KG	3	3	0	0	2	1
85754	BENZO-A-PYRENE, SOIL, DRY WT, MG/KG	1	1	0	0	1	1
85755	BENZO-A-PYRENE, SOIL, DRY WT, MG/KG	1	1	0	0	1	1

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0004	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/78-06/27/85	6	151	
SACN0005	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/77-08/10/77	0	1	
SACN0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/92-09/19/94	2	13	
SACN0008	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-11/01/84	0	1	
SACN0009	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/92-08/19/93	1	31	
SACN0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/92-08/20/93	1	27	
SACN0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/91-08/08/91	0	2	
SACN0013	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/91-08/08/91	0	2	
SACN0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/78-08/03/78	0	2	
SACN0017	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/92-09/19/94	2	13	
SACN0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-11/01/84	0	1	
SACN0021	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/91-08/08/91	0	1	
SACN0022	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-09/28/76	0	3	
SACN0023	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-07/13/76	0	2	
SACN0024	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-07/13/76	0	2	
SACN0025	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-07/13/76	0	2	
SACN0026	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-10/04/76	0	4	
SACN0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-07/13/76	0	2	
SACN0041	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/75-08/26/85	9	29	
SACN0049	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/81-06/15/82	0	3	
SACN0050	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/81-06/15/82	0	3	
SACN0059	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/04/84-11/04/84	0	1	
SACN0064	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/04/84-11/04/84	0	1	
SACN0067	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/68-08/26/85	17	29	
SACN0076	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/75-10/27/75	0	3	
SACN0080	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/93-03/14/95	1	17	
SACN0085	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/81-11/13/86	5	302	
SACN0101	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	10	73	
SACN0103	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/86-08/28/86	0	1	
SACN0104	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	8	115	
SACN0111	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	12	132	
SACN0112	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/03/84-11/03/84	0	1	
SACN0115	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/75-08/25/83	7	17	
SACN0118	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/03/84-11/03/84	0	1	
SACN0120	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/84-08/27/86	2	3	
SACN0123	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/84-08/27/86	2	3	
SACN0124	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/31/93-07/11/94	0	4	
SACN0128	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/31/93-07/11/94	0	4	
SACN0129	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/72-01/25/77	4	58	
SACN0142	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-09/12/94	1	7	
SACN0146	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/03/84-11/03/84	0	1	
SACN0147	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	26	122	
SACN0157	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/84-10/28/84	0	1	
SACN0171	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/84-10/28/84	0	1	
SACN0172	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/75-08/24/83	7	17	
SACN0176	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/72-11/03/72	0	6	
SACN0179	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/72-11/03/72	0	7	
SACN0181	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	0	1	
SACN0182	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/94-10/26/94	0	6	
SACN0183	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	18	181	
SACN0190	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	0	1	
SACN0191	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/13/90-09/13/90	0	1	
SACN0193	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/90-09/13/90	0	19	
SACN0196	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/13/90-09/13/90	0	1	
SACN0198	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	0	1	
SACN0200	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	0	1	
SACN0201	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	0	1	
SACN0204	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	0	1	
SACN0205	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/68-08/24/83	15	18	
SACN0206	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/85-08/28/85	0	1	
SACN0209	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/82-10/22/86	4	107	
SACN0211	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/85-08/28/85	0	1	
SACN0220	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/90-11/25/90	0	29	
SACN0221	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/93-10/28/93	0	5	
SACN0222	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/93-10/28/93	0	5	
SACN0224	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/90-01/10/91	0	3	
SACN0226	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/68-06/07/68	0	1	
SACN0228	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	8	111	
SACN0229	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0232	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/90-12/16/92	2	26	
SACN0233	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/27/87-04/27/87	0	1	
SACN0236	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/05/90-12/07/93	3	46	
SACN0240	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/85-08/28/85	0	1	
SACN0244	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/93-10/05/93	0	11	
SACN0246	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	27	159	
SACN0248	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	9	113	
SACN0249	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-09/02/93	0	5	
SACN0251	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/22/77	1	21	
SACN0260	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/92-12/07/93	1	22	
SACN0261	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/81-07/20/83	1	4	
SACN0263	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-09/02/93	0	5	
SACN0266	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/84-10/28/84	0	1	
SACN0278	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/84-08/21/84	0	5	
SACN0282	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/82-03/25/82	0	3	
SACN0289	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/81-07/21/83	1	3	
SACN0290	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/08/93-04/17/95	2	16	
SACN0292	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/93-10/05/93	0	22	
SACN0293	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/81-07/21/83	1	3	
SACN0296	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/04/93-10/05/93	0	12	
SACN0297	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/64-09/21/64	0	20	
SACN0298	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-09/02/93	0	5	
SACN0301	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-09/02/93	0	6	
SACN0303	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-09/02/93	0	5	
SACN0304	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/05/90-12/07/93	3	53	
SACN0305	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/25/66-08/23/83	16	30	
SACN0307	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/81-07/21/83	1	3	
SACN0313	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/22/75-08/27/85	9	18	
SACN0316	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/68-06/07/68	0	1	
SACN0326	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	0	16	
SACN0327	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	0	16	
SACN0329	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/24/65-02/26/65	0	45	
SACN0332	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/91-09/12/91	0	6	
SACN0338	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/73-09/25/74	0	11	
SACN0339	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/81-07/20/83	1	3	
SACN0348	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/64-08/26/64	0	45	
SACN0349	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/64-09/16/65	1	87	
SACN0350	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/09/65-09/16/65	0	15	
SACN0351	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	0	9	
SACN0352	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	0	9	
SACN0354	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	18	180	
SACN0355	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	0	6	
SACN0356	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	0	6	
SACN0357	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/64-08/26/64	0	17	
SACN0360	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/14/74-11/14/74	0	5	
SACN0373	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/03/74-12/03/74	0	1	
SACN0383	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/67-04/06/67	0	1	
SACN0385	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	13	64	
SACN0386	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/64-09/16/65	1	92	
SACN0388	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/74-09/08/81	6	53	
SACN0390	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	17	212	
SACN0392	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/80-10/16/85	5	1044	
SACN0393	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/22/77-09/08/81	4	44	
SACN0398	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/64-01/04/66	1	193	
SACN0400	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/80-09/11/84	4	126	
SACN0403	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/86-07/31/86	0	35	
SACN0408	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/86-07/31/86	0	9	
SACN0411	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/80-11/12/81	1	42	
SACN0416	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/80-11/05/80	0	8	
SACN0419	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/80-11/12/81	1	60	
SACN0420	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/81-11/12/81	0	1	
SACN0432	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	41	475	
SACN0441	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	18	117	
SACN0442	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/27/65-09/30/65	0	37	
SACN0443	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/24/77-09/03/81	4	42	
SACN0444	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	11	152	
SACN0448	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/82-09/01/82	0	1	
SACN0450	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	0	6	
SACN0451	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/67-09/05/67	0	1	
SACN0452	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/07/94	18	42	
SACN0455	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-06/14/76	0	6	
SACN0457	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/82-09/01/82	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0459	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/82-09/01/82	0	1	
SACN0463	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/77-06/24/77	0	1	
SACN0465	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/82-09/01/82	0	1	
SACN0466	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/82-09/01/82	0	1	
SACN0468	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/77-06/24/77	0	1	
SACN0005	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/10/77-08/10/77	0	1	
SACN0006	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/15/74-05/15/74	0	1	
SACN0013	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/11/73-10/23/74	1	13	
SACN0187	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	18	125	T
SACN0218	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	11/06/73-10/08/74	0	5	
SACN0220	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/73-02/08/75	1	17	
SACN0251	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	22	81	
SACN0299	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/11/57-10/18/65	8	40	
SACN0306	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	11/06/73-10/08/74	0	5	
SACN0332	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/73-02/09/75	1	15	
SACN0336	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/12/67-06/25/71	4	38	
SACN0354	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	8	89	
SACN0366	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/12/67-06/25/71	4	41	
SACN0385	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	12	67	
SACN0392	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/29/79-06/29/79	0	13	
SACN0394	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	12	77	
SACN0400	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/23/73-07/23/73	0	10	
SACN0405	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/23/75-06/23/75	0	13	
SACN0436	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-06/06/68	0	7	
SACN0441	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/15/58-12/09/75	17	92	
SACN0452	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/07/74-12/17/75	1	19	
SACN0455	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	8	88	
SACN0041	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/22/83-08/22/83	0	1	
SACN0068	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/22/83-08/22/83	0	1	
SACN0115	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/18/83-08/25/83	0	2	
SACN0123	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/20/84-08/20/84	0	1	
SACN0151	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/18/83-08/24/83	0	2	
SACN0172	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/24/83-08/24/83	0	1	
SACN0205	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/18/83-08/24/83	0	2	
SACN0228	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/17/90-04/17/90	0	1	
SACN0246	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/24/83-04/04/86	2	14	
SACN0261	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/20/83-07/20/83	0	1	
SACN0289	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/21/83-07/21/83	0	1	
SACN0293	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/21/83-07/21/83	0	1	
SACN0305	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/06/77-08/23/83	6	2	
SACN0307	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/21/83-07/21/83	0	1	
SACN0313	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/23/83-08/23/83	0	1	
SACN0339	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/20/83-07/20/83	0	1	
SACN0388	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/21/75-02/04/80	5	32	
SACN0393	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/22/77-05/08/80	3	32	
SACN0432	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/18/75-01/21/77	1	16	
SACN0443	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/24/77-10/26/79	2	30	
SACN0001	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/09/79-07/09/79	0	2	
SACN0004	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/27/78-08/14/78	0	6	
SACN0012	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/09/79-07/09/79	0	2	
SACN0013	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/11/73-10/23/74	1	6	
SACN0014	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/09/79-07/09/79	0	2	
SACN0016	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/78-08/03/78	0	2	
SACN0017	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/22/92-09/22/92	0	1	
SACN0029	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/09/79-07/09/79	0	1	
SACN0030	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/06/79-07/06/79	0	2	
SACN0039	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/20/79-07/20/79	0	1	
SACN0044	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/20/79-07/20/79	0	1	
SACN0045	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/16/79-07/16/79	0	2	
SACN0054	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/24/79-07/24/79	0	2	
SACN0055	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/15/79-07/15/79	0	1	
SACN0061	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/26/79-07/26/79	0	1	
SACN0070	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	0	1	
SACN0072	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/26/79-07/26/79	0	2	
SACN0074	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	0	1	
SACN0077	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	0	1	
SACN0078	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	0	2	
SACN0079	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/26/79-07/26/79	0	2	
SACN0087	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	0	1	
SACN0098	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	0	1	
SACN0106	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	0	1	
SACN0107	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/12/79-08/12/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0113	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/12/79-08/12/79	0	1	
SACN0125	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	0	1	
SACN0126	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/12/79-08/12/79	0	1	
SACN0135	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	0	1	
SACN0138	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/12/79-08/12/79	0	2	
SACN0139	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	0	3	
SACN0141	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	0	1	
SACN0143	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	0	2	
SACN0144	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	0	1	
SACN0145	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	0	2	
SACN0149	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	0	1	
SACN0152	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	0	1	
SACN0153	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	0	2	
SACN0154	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	0	1	
SACN0155	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	0	2	
SACN0158	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	0	1	
SACN0162	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	0	2	
SACN0163	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	0	1	
SACN0165	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	0	1	
SACN0168	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/16/79-08/16/79	0	2	
SACN0170	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/16/79-08/16/79	0	1	
SACN0216	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/09/79-08/09/79	0	1	
SACN0218	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	02/08/75-02/08/75	0	1	
SACN0219	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/09/79-08/09/79	0	2	
SACN0220	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/12/73-02/08/75	1	8	
SACN0231	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/28/79-08/28/79	0	2	
SACN0238	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/07/79-08/07/79	0	1	
SACN0242	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/09/79-08/09/79	0	1	
SACN0268	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/07/79-08/07/79	0	1	
SACN0286	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/07/79-08/07/79	0	1	
SACN0295	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/28/79-08/28/79	0	2	
SACN0332	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/12/73-02/09/75	1	9	
SACN0333	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/28/79-08/28/79	0	1	
SACN0003	No	00023	SAMPLE WEIGHT IN POUNDS	09/24/85-09/28/91	6	44	
SACN0020	No	00023	SAMPLE WEIGHT IN POUNDS	04/23/86-05/23/88	2	19	
SACN0032	Yes	00023	SAMPLE WEIGHT IN POUNDS	08/10/85-08/15/85	0	4	
SACN0033	Yes	00023	SAMPLE WEIGHT IN POUNDS	10/04/84-07/05/85	0	5	
SACN0034	Yes	00023	SAMPLE WEIGHT IN POUNDS	07/05/85-07/05/85	0	4	
SACN0035	No	00023	SAMPLE WEIGHT IN POUNDS	10/04/84-06/20/85	0	7	
SACN0038	Yes	00023	SAMPLE WEIGHT IN POUNDS	07/27/84-07/27/84	0	1	
SACN0040	No	00023	SAMPLE WEIGHT IN POUNDS	06/07/88-06/07/88	0	5	
SACN0042	Yes	00023	SAMPLE WEIGHT IN POUNDS	05/24/86-06/04/87	1	4	
SACN0052	No	00023	SAMPLE WEIGHT IN POUNDS	09/17/84-09/15/88	3	7	
SACN0081	No	00023	SAMPLE WEIGHT IN POUNDS	08/10/84-04/10/87	2	23	
SACN0082	No	00023	SAMPLE WEIGHT IN POUNDS	10/01/84-09/18/86	1	6	
SACN0086	No	00023	SAMPLE WEIGHT IN POUNDS	01/01/83-06/26/83	0	3	
SACN0088	No	00023	SAMPLE WEIGHT IN POUNDS	10/03/84-10/03/84	0	3	
SACN0089	No	00023	SAMPLE WEIGHT IN POUNDS	09/18/84-09/18/84	0	2	
SACN0091	No	00023	SAMPLE WEIGHT IN POUNDS	09/17/84-09/17/84	0	3	
SACN0096	No	00023	SAMPLE WEIGHT IN POUNDS	09/17/84-09/17/84	0	3	
SACN0097	No	00023	SAMPLE WEIGHT IN POUNDS	10/19/87-10/19/87	0	4	
SACN0099	No	00023	SAMPLE WEIGHT IN POUNDS	10/03/84-10/03/84	0	3	
SACN0100	No	00023	SAMPLE WEIGHT IN POUNDS	10/13/87-10/13/87	0	6	
SACN0105	No	00023	SAMPLE WEIGHT IN POUNDS	04/21/86-04/21/86	0	3	
SACN0111	No	00023	SAMPLE WEIGHT IN POUNDS	07/15/79-09/21/82	3	12	
SACN0116	No	00023	SAMPLE WEIGHT IN POUNDS	10/04/87-10/14/87	0	7	
SACN0130	No	00023	SAMPLE WEIGHT IN POUNDS	10/01/84-10/01/84	0	3	
SACN0140	No	00023	SAMPLE WEIGHT IN POUNDS	04/19/88-04/19/88	0	2	
SACN0148	No	00023	SAMPLE WEIGHT IN POUNDS	10/08/84-05/01/86	1	13	
SACN0150	Yes	00023	SAMPLE WEIGHT IN POUNDS	07/15/79-09/21/82	3	12	
SACN0159	No	00023	SAMPLE WEIGHT IN POUNDS	08/20/91-08/20/91	0	8	
SACN0164	No	00023	SAMPLE WEIGHT IN POUNDS	06/17/85-06/06/86	0	10	
SACN0175	Yes	00023	SAMPLE WEIGHT IN POUNDS	08/15/89-08/15/89	0	1	
SACN0177	No	00023	SAMPLE WEIGHT IN POUNDS	10/02/85-04/11/86	0	14	
SACN0186	Yes	00023	SAMPLE WEIGHT IN POUNDS	08/16/91-08/16/91	0	1	
SACN0187	Yes	00023	SAMPLE WEIGHT IN POUNDS	08/23/89-08/30/89	0	14	
SACN0209	No	00023	SAMPLE WEIGHT IN POUNDS	07/29/82-06/21/88	5	18	
SACN0214	Yes	00023	SAMPLE WEIGHT IN POUNDS	08/19/91-08/19/91	0	10	
SACN0215	No	00023	SAMPLE WEIGHT IN POUNDS	09/23/86-09/23/86	0	7	
SACN0225	No	00023	SAMPLE WEIGHT IN POUNDS	09/19/84-09/19/84	0	4	
SACN0237	No	00023	SAMPLE WEIGHT IN POUNDS	05/23/89-05/23/89	0	11	
SACN0250	Yes	00023	SAMPLE WEIGHT IN POUNDS	08/15/89-08/15/89	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0251	Yes	00023	SAMPLE WEIGHT IN POUNDS	09/13/89-09/13/89	0	9	
SACN0253	No	00023	SAMPLE WEIGHT IN POUNDS	04/16/86-07/29/92	6	30	
SACN0256	Yes	00023	SAMPLE WEIGHT IN POUNDS	09/26/91-09/26/91	0	4	
SACN0258	No	00023	SAMPLE WEIGHT IN POUNDS	06/07/87-06/18/87	0	17	
SACN0272	No	00023	SAMPLE WEIGHT IN POUNDS	08/16/89-08/16/89	0	1	
SACN0302	No	00023	SAMPLE WEIGHT IN POUNDS	06/02/87-06/04/87	0	4	
SACN0318	No	00023	SAMPLE WEIGHT IN POUNDS	05/29/87-05/29/87	0	6	
SACN0319	No	00023	SAMPLE WEIGHT IN POUNDS	07/23/86-07/23/86	0	3	
SACN0321	Yes	00023	SAMPLE WEIGHT IN POUNDS	07/20/75-07/20/75	0	15	
SACN0330	Yes	00023	SAMPLE WEIGHT IN POUNDS	09/26/91-09/26/91	0	2	
SACN0340	No	00023	SAMPLE WEIGHT IN POUNDS	07/24/75-07/24/75	0	11	
SACN0341	Yes	00023	SAMPLE WEIGHT IN POUNDS	09/27/84-10/29/91	7	88	
SACN0345	Yes	00023	SAMPLE WEIGHT IN POUNDS	07/21/75-03/01/76	0	13	
SACN0346	Yes	00023	SAMPLE WEIGHT IN POUNDS	07/21/75-11/05/86	11	31	
SACN0354	Yes	00023	SAMPLE WEIGHT IN POUNDS	10/01/69-09/28/84	14	36	
SACN0361	Yes	00023	SAMPLE WEIGHT IN POUNDS	07/29/82-09/25/86	4	16	
SACN0366	Yes	00023	SAMPLE WEIGHT IN POUNDS	09/26/91-09/26/91	0	5	
SACN0375	No	00023	SAMPLE WEIGHT IN POUNDS	06/20/84-06/20/84	0	2	
SACN0376	Yes	00023	SAMPLE WEIGHT IN POUNDS	09/14/84-10/14/85	1	4	
SACN0380	No	00023	SAMPLE WEIGHT IN POUNDS	07/24/75-09/17/87	12	58	
SACN0387	Yes	00023	SAMPLE WEIGHT IN POUNDS	06/03/82-05/26/89	6	13	
SACN0400	No	00023	SAMPLE WEIGHT IN POUNDS	07/26/83-07/26/83	0	2	
SACN0429	Yes	00023	SAMPLE WEIGHT IN POUNDS	09/26/91-09/26/91	0	2	
SACN0441	No	00023	SAMPLE WEIGHT IN POUNDS	09/22/81-10/06/83	2	4	
SACN0445	No	00023	SAMPLE WEIGHT IN POUNDS	08/02/83-08/02/90	7	13	
SACN0003	No	00024	SAMPLE LENGTH IN INCHES	09/24/85-09/28/91	6	44	
SACN0020	No	00024	SAMPLE LENGTH IN INCHES	04/23/86-05/23/88	2	19	
SACN0032	Yes	00024	SAMPLE LENGTH IN INCHES	08/10/85-08/15/85	0	4	
SACN0033	Yes	00024	SAMPLE LENGTH IN INCHES	10/04/84-07/05/85	0	5	
SACN0034	Yes	00024	SAMPLE LENGTH IN INCHES	07/05/85-07/05/85	0	4	
SACN0035	No	00024	SAMPLE LENGTH IN INCHES	10/04/84-06/20/85	0	7	
SACN0038	Yes	00024	SAMPLE LENGTH IN INCHES	07/27/84-07/27/84	0	1	
SACN0040	No	00024	SAMPLE LENGTH IN INCHES	06/07/88-06/07/88	0	5	
SACN0042	Yes	00024	SAMPLE LENGTH IN INCHES	05/24/86-06/04/87	1	4	
SACN0043	No	00024	SAMPLE LENGTH IN INCHES	09/21/70-09/21/70	0	18	
SACN0052	No	00024	SAMPLE LENGTH IN INCHES	09/17/84-09/15/88	3	7	
SACN0081	No	00024	SAMPLE LENGTH IN INCHES	08/10/84-04/10/87	2	23	
SACN0082	No	00024	SAMPLE LENGTH IN INCHES	10/01/84-09/18/86	1	6	
SACN0086	No	00024	SAMPLE LENGTH IN INCHES	01/01/83-06/26/83	0	3	
SACN0088	No	00024	SAMPLE LENGTH IN INCHES	10/03/84-10/03/84	0	3	
SACN0089	No	00024	SAMPLE LENGTH IN INCHES	09/18/84-09/18/84	0	2	
SACN0091	No	00024	SAMPLE LENGTH IN INCHES	09/17/84-09/17/84	0	3	
SACN0096	No	00024	SAMPLE LENGTH IN INCHES	09/17/84-09/17/84	0	3	
SACN0097	No	00024	SAMPLE LENGTH IN INCHES	10/19/87-10/19/87	0	4	
SACN0099	No	00024	SAMPLE LENGTH IN INCHES	10/03/84-10/03/84	0	3	
SACN0100	No	00024	SAMPLE LENGTH IN INCHES	10/13/87-10/13/87	0	6	
SACN0105	No	00024	SAMPLE LENGTH IN INCHES	04/21/86-04/21/86	0	3	
SACN0111	No	00024	SAMPLE LENGTH IN INCHES	08/17/77-09/21/82	5	18	
SACN0116	No	00024	SAMPLE LENGTH IN INCHES	10/04/87-10/14/87	0	7	
SACN0130	No	00024	SAMPLE LENGTH IN INCHES	10/01/84-10/01/84	0	3	
SACN0140	No	00024	SAMPLE LENGTH IN INCHES	04/19/88-04/19/88	0	2	
SACN0148	No	00024	SAMPLE LENGTH IN INCHES	10/08/84-05/01/86	1	13	
SACN0150	Yes	00024	SAMPLE LENGTH IN INCHES	08/01/78-09/21/82	4	15	
SACN0159	No	00024	SAMPLE LENGTH IN INCHES	08/20/91-08/20/91	0	8	
SACN0164	No	00024	SAMPLE LENGTH IN INCHES	06/17/85-06/06/86	0	10	
SACN0175	Yes	00024	SAMPLE LENGTH IN INCHES	08/15/89-08/15/89	0	1	
SACN0177	No	00024	SAMPLE LENGTH IN INCHES	10/02/85-09/27/86	0	15	
SACN0186	Yes	00024	SAMPLE LENGTH IN INCHES	08/16/91-08/16/91	0	1	
SACN0187	Yes	00024	SAMPLE LENGTH IN INCHES	08/23/89-08/30/89	0	14	
SACN0209	No	00024	SAMPLE LENGTH IN INCHES	07/29/82-06/21/88	5	18	
SACN0214	Yes	00024	SAMPLE LENGTH IN INCHES	08/19/91-08/19/91	0	10	
SACN0215	No	00024	SAMPLE LENGTH IN INCHES	09/23/86-09/23/86	0	7	
SACN0225	No	00024	SAMPLE LENGTH IN INCHES	09/19/84-09/19/84	0	4	
SACN0235	No	00024	SAMPLE LENGTH IN INCHES	08/05/70-08/05/70	0	30	
SACN0237	No	00024	SAMPLE LENGTH IN INCHES	05/23/89-05/23/89	0	11	
SACN0250	Yes	00024	SAMPLE LENGTH IN INCHES	08/15/89-08/15/89	0	1	
SACN0251	Yes	00024	SAMPLE LENGTH IN INCHES	09/13/89-09/13/89	0	9	
SACN0253	No	00024	SAMPLE LENGTH IN INCHES	04/16/86-07/29/92	6	30	
SACN0256	Yes	00024	SAMPLE LENGTH IN INCHES	09/26/91-09/26/91	0	4	
SACN0258	No	00024	SAMPLE LENGTH IN INCHES	06/07/87-06/18/87	0	17	
SACN0272	No	00024	SAMPLE LENGTH IN INCHES	08/16/89-08/16/89	0	1	
SACN0302	No	00024	SAMPLE LENGTH IN INCHES	06/02/87-06/04/87	0	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0318	No	00024	SAMPLE LENGTH IN INCHES	05/29/87-05/29/87	0	6	
SACN0319	No	00024	SAMPLE LENGTH IN INCHES	07/23/86-07/23/86	0	3	
SACN0320	Yes	00024	SAMPLE LENGTH IN INCHES	07/13/76-07/13/76	0	4	
SACN0321	Yes	00024	SAMPLE LENGTH IN INCHES	07/20/75-03/01/76	0	18	
SACN0328	No	00024	SAMPLE LENGTH IN INCHES	08/01/70-07/01/75	4	58	
SACN0330	Yes	00024	SAMPLE LENGTH IN INCHES	09/26/91-09/26/91	0	2	
SACN0340	No	00024	SAMPLE LENGTH IN INCHES	07/24/75-03/01/76	0	14	
SACN0341	Yes	00024	SAMPLE LENGTH IN INCHES	09/27/84-10/29/91	7	88	
SACN0345	Yes	00024	SAMPLE LENGTH IN INCHES	07/21/75-03/01/76	0	13	
SACN0346	Yes	00024	SAMPLE LENGTH IN INCHES	07/21/75-11/05/86	11	30	
SACN0354	Yes	00024	SAMPLE LENGTH IN INCHES	10/01/69-09/28/84	14	33	
SACN0361	Yes	00024	SAMPLE LENGTH IN INCHES	07/29/82-09/25/86	4	16	
SACN0366	Yes	00024	SAMPLE LENGTH IN INCHES	09/26/91-09/26/91	0	5	
SACN0375	No	00024	SAMPLE LENGTH IN INCHES	06/20/84-06/20/84	0	2	
SACN0376	Yes	00024	SAMPLE LENGTH IN INCHES	09/14/84-10/14/85	1	5	
SACN0380	No	00024	SAMPLE LENGTH IN INCHES	07/24/75-09/17/87	12	55	
SACN0387	Yes	00024	SAMPLE LENGTH IN INCHES	06/03/82-05/26/89	6	13	
SACN0400	No	00024	SAMPLE LENGTH IN INCHES	07/26/83-07/26/83	0	2	
SACN0429	Yes	00024	SAMPLE LENGTH IN INCHES	09/26/91-09/26/91	0	2	
SACN0441	No	00024	SAMPLE LENGTH IN INCHES	09/22/81-10/06/83	2	4	
SACN0445	No	00024	SAMPLE LENGTH IN INCHES	08/02/83-08/02/90	7	13	
SACN0041	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	08/22/83-08/26/85	2	2	
SACN0068	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	08/22/83-08/26/85	2	2	
SACN0115	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	08/25/83-08/25/83	0	1	
SACN0151	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	08/24/83-08/27/85	2	2	
SACN0172	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	08/24/83-08/24/83	0	1	
SACN0205	No	00025	BAROMETRIC PRESSURE (MM OF HG)	08/24/83-08/24/83	0	1	
SACN0246	No	00025	BAROMETRIC PRESSURE (MM OF HG)	07/06/83-04/04/86	2	14	
SACN0261	No	00025	BAROMETRIC PRESSURE (MM OF HG)	07/20/83-07/20/83	0	1	
SACN0289	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	07/21/83-07/21/83	0	1	
SACN0305	No	00025	BAROMETRIC PRESSURE (MM OF HG)	08/23/83-08/23/83	0	1	
SACN0307	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	07/21/83-07/21/83	0	1	
SACN0313	No	00025	BAROMETRIC PRESSURE (MM OF HG)	08/23/83-08/27/85	2	2	
SACN0001	No	00032	CLOUD COVER (PERCENT)	07/09/79-07/09/79	0	2	
SACN0011	No	00032	CLOUD COVER (PERCENT)	08/08/91-08/08/91	0	1	
SACN0012	No	00032	CLOUD COVER (PERCENT)	07/09/79-07/09/79	0	2	
SACN0013	No	00032	CLOUD COVER (PERCENT)	08/08/91-07/02/94	2	3	
SACN0014	No	00032	CLOUD COVER (PERCENT)	07/09/79-07/09/79	0	2	
SACN0021	No	00032	CLOUD COVER (PERCENT)	08/08/91-08/08/91	0	1	
SACN0029	No	00032	CLOUD COVER (PERCENT)	07/09/79-07/09/79	0	1	
SACN0030	No	00032	CLOUD COVER (PERCENT)	07/06/79-07/06/79	0	2	
SACN0044	No	00032	CLOUD COVER (PERCENT)	07/20/79-07/20/79	0	1	
SACN0045	No	00032	CLOUD COVER (PERCENT)	07/16/79-07/16/79	0	2	
SACN0055	No	00032	CLOUD COVER (PERCENT)	07/15/79-07/15/79	0	1	
SACN0070	No	00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	0	1	
SACN0071	No	00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	0	2	
SACN0072	No	00032	CLOUD COVER (PERCENT)	07/26/79-07/26/79	0	2	
SACN0074	No	00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	0	1	
SACN0077	No	00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	0	1	
SACN0078	No	00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	0	2	
SACN0079	No	00032	CLOUD COVER (PERCENT)	07/26/79-07/26/79	0	2	
SACN0080	No	00032	CLOUD COVER (PERCENT)	05/12/93-03/14/95	1	9	
SACN0087	No	00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	0	1	
SACN0095	No	00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	0	1	
SACN0101	Yes	00032	CLOUD COVER (PERCENT)	02/26/90-06/08/94	4	2	
SACN0104	No	00032	CLOUD COVER (PERCENT)	07/15/86-03/16/95	8	36	
SACN0106	No	00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	0	1	
SACN0107	No	00032	CLOUD COVER (PERCENT)	08/12/79-08/12/79	0	2	
SACN0113	No	00032	CLOUD COVER (PERCENT)	08/12/79-08/12/79	0	1	
SACN0124	No	00032	CLOUD COVER (PERCENT)	05/05/93-08/31/93	0	4	
SACN0125	No	00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	0	2	
SACN0126	No	00032	CLOUD COVER (PERCENT)	08/12/79-08/12/79	0	1	
SACN0128	No	00032	CLOUD COVER (PERCENT)	05/05/93-08/31/93	0	4	
SACN0135	No	00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	0	1	
SACN0137	No	00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	0	1	
SACN0138	No	00032	CLOUD COVER (PERCENT)	08/12/79-08/12/79	0	2	
SACN0139	No	00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	0	3	
SACN0141	No	00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	0	2	
SACN0142	No	00032	CLOUD COVER (PERCENT)	06/30/93-06/02/94	0	5	
SACN0143	No	00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	0	2	
SACN0144	No	00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	0	1	
SACN0145	No	00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0149	No	00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	0	1	
SACN0152	No	00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	0	1	
SACN0154	No	00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	0	1	
SACN0155	No	00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	0	2	
SACN0156	No	00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	0	2	
SACN0158	No	00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	0	1	
SACN0162	No	00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	0	2	
SACN0163	No	00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	0	1	
SACN0168	No	00032	CLOUD COVER (PERCENT)	08/16/79-08/16/79	0	2	
SACN0170	No	00032	CLOUD COVER (PERCENT)	08/16/79-08/16/79	0	2	
SACN0173	No	00032	CLOUD COVER (PERCENT)	08/16/79-08/16/79	0	1	
SACN0182	No	00032	CLOUD COVER (PERCENT)	09/28/94-10/26/94	0	4	
SACN0228	No	00032	CLOUD COVER (PERCENT)	06/15/89-10/11/89	0	8	
SACN0231	No	00032	CLOUD COVER (PERCENT)	08/28/79-08/28/79	0	2	
SACN0248	No	00032	CLOUD COVER (PERCENT)	04/10/86-06/19/90	4	13	
SACN0267	No	00032	CLOUD COVER (PERCENT)	08/07/79-08/07/79	0	1	
SACN0268	No	00032	CLOUD COVER (PERCENT)	08/07/79-08/07/79	0	1	
SACN0269	No	00032	CLOUD COVER (PERCENT)	08/28/79-08/28/79	0	1	
SACN0295	No	00032	CLOUD COVER (PERCENT)	08/28/79-08/28/79	0	2	
SACN0322	Yes	00032	CLOUD COVER (PERCENT)	08/28/79-08/28/79	0	2	
SACN0333	Yes	00032	CLOUD COVER (PERCENT)	08/28/79-08/28/79	0	1	
SACN0444	No	00032	CLOUD COVER (PERCENT)	11/02/87-01/12/88	0	2	
SACN0004	No	00035	WIND VELOCITY (MILES PER HOUR)	07/27/78-08/14/78	0	4	
SACN0111	No	00040	WIND DIRECTION, AZIMUTH	01/06/75-01/06/75	0	1	
SACN0129	Yes	00040	WIND DIRECTION, AZIMUTH	01/06/75-01/06/75	0	1	
SACN0390	Yes	00040	WIND DIRECTION, AZIMUTH	03/19/75-04/29/75	0	2	
SACN0444	No	00057	FLOW, INDICATES IT HAS BEEN CHECKED	01/19/77-12/16/80	3	111	
SACN0068	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	11/05/66-06/06/68	1	3	
SACN0129	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	03/22/72-09/19/73	1	19	
SACN0151	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	10/09/64-06/05/68	3	9	
SACN0187	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	04/30/57-03/20/61	3	23	
SACN0205	No	00060	FLOW, STREAM, MEAN DAILY CFS	06/06/68-06/06/68	0	1	
SACN0226	No	00060	FLOW, STREAM, MEAN DAILY CFS	06/07/68-06/07/68	0	1	
SACN0246	No	00060	FLOW, STREAM, MEAN DAILY CFS	11/06/66-06/03/68	1	4	
SACN0251	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-10/13/57	4	32	
SACN0261	No	00060	FLOW, STREAM, MEAN DAILY CFS	08/17/82-08/17/82	0	1	
SACN0289	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	08/17/82-08/17/82	0	1	
SACN0293	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	08/17/82-08/17/82	0	1	
SACN0299	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	06/11/57-10/19/61	4	21	
SACN0305	No	00060	FLOW, STREAM, MEAN DAILY CFS	11/25/66-05/07/67	0	2	
SACN0307	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	08/17/82-08/17/82	0	1	
SACN0316	No	00060	FLOW, STREAM, MEAN DAILY CFS	06/07/68-06/07/68	0	1	
SACN0338	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	11/06/73-04/03/74	0	6	
SACN0339	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	08/17/82-08/17/82	0	1	
SACN0383	No	00060	FLOW, STREAM, MEAN DAILY CFS	04/06/67-04/06/67	0	1	
SACN0385	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-10/19/61	8	48	
SACN0388	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	10/05/76-09/08/81	4	29	
SACN0390	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	12	140	A
SACN0393	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	02/22/77-09/08/81	4	45	
SACN0394	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-08/25/65	12	60	
SACN0432	No	00060	FLOW, STREAM, MEAN DAILY CFS	03/01/38-01/21/77	38	375	
SACN0441	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/15/58-08/30/61	3	19	
SACN0443	No	00060	FLOW, STREAM, MEAN DAILY CFS	02/24/77-09/03/81	4	41	
SACN0444	No	00060	FLOW, STREAM, MEAN DAILY CFS	01/19/77-12/16/80	3	108	
SACN0451	No	00060	FLOW, STREAM, MEAN DAILY CFS	09/05/67-09/05/67	0	1	
SACN0041	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	9	29	
SACN0049	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/17/81-06/15/82	0	3	
SACN0050	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/17/81-06/15/82	0	3	
SACN0067	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/05/76-04/01/76	0	2	
SACN0068	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	9	28	
SACN0104	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/11/88-07/11/88	0	1	
SACN0115	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/75-08/25/83	7	17	
SACN0151	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	17	120	
SACN0172	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-08/24/83	7	18	
SACN0205	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-08/24/83	7	17	
SACN0228	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/01/88-11/01/88	0	1	
SACN0246	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	19	158	
SACN0248	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/06/93-10/06/93	0	1	
SACN0261	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/20/81-08/20/81	0	1	
SACN0289	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/20/81-08/20/81	0	1	
SACN0293	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/20/81-08/20/81	0	1	
SACN0305	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/75-08/23/83	7	28	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0307	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/20/81-08/20/81	0	1	
SACN0313	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/75-08/27/85	9	18	
SACN0338	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/06/73-09/25/74	0	11	
SACN0339	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/21/81-08/21/81	0	1	
SACN0383	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/06/67-04/06/67	0	1	
SACN0388	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/13/74-09/15/76	1	24	
SACN0420	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/81-11/12/81	0	1	
SACN0432	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/10/73-09/14/76	2	37	
SACN0443	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/13/77-11/01/77	0	2	
SACN0444	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	11	135	
SACN0463	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/77-06/24/77	0	1	
SACN0468	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/77-06/24/77	0	1	
SACN0041	Yes	00065	STAGE, STREAM (FEET)	04/11/83-08/22/83	0	2	
SACN0102	No	00065	STAGE, STREAM (FEET)	04/24/85-09/01/89	4	56	
SACN0115	Yes	00065	STAGE, STREAM (FEET)	04/18/83-08/25/83	0	2	
SACN0151	Yes	00065	STAGE, STREAM (FEET)	04/18/83-08/24/83	0	2	
SACN0172	Yes	00065	STAGE, STREAM (FEET)	04/13/83-08/24/83	0	2	
SACN0205	No	00065	STAGE, STREAM (FEET)	04/18/83-08/24/83	0	2	
SACN0246	No	00065	STAGE, STREAM (FEET)	05/24/83-07/06/83	0	2	
SACN0313	No	00065	STAGE, STREAM (FEET)	04/13/83-08/23/83	0	2	
SACN0041	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/20/75-03/30/78	2	11	
SACN0067	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/20/75-03/30/78	2	11	
SACN0151	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/23/75-04/05/78	2	11	
SACN0246	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/02/74-06/08/78	3	28	
SACN0297	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/21/64-09/21/64	0	1	
SACN0305	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/22/75-03/31/78	2	11	
SACN0338	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/06/73-09/25/74	0	11	
SACN0349	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/21/64-09/15/65	0	7	
SACN0350	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/09/65-09/15/65	0	5	
SACN0386	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/21/64-09/15/65	0	7	
SACN0388	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/13/74-12/08/76	2	27	
SACN0398	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/21/64-09/30/65	1	16	
SACN0432	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/01/36-12/21/76	40	470	S
SACN0442	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/24/65-09/25/65	0	8	
SACN0187	Yes	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	04/30/57-12/17/68	11	47	
SACN0251	Yes	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/13/57	4	32	
SACN0299	Yes	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/17/58-10/18/65	7	36	
SACN0336	Yes	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/12/67-12/19/68	1	14	
SACN0354	Yes	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/28/67-12/17/68	1	14	
SACN0366	Yes	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/12/67-12/17/68	1	14	
SACN0385	Yes	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	12	66	
SACN0394	Yes	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	12	76	
SACN0436	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/13/67-06/06/68	0	7	
SACN0441	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	05/15/58-06/04/68	10	47	
SACN0455	No	00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/13/67-12/17/68	1	14	
SACN0176	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/27/72-11/03/72	0	4	
SACN0179	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/27/72-11/03/72	0	6	
SACN0326	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	0	13	
SACN0327	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	0	13	
SACN0351	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	0	7	
SACN0352	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	0	7	
SACN0355	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	0	4	
SACN0356	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	0	4	
SACN0450	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	09/03/72-11/04/72	0	4	
SACN0001	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/09/79-07/09/79	0	2	
SACN0004	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/27/78-08/14/78	0	6	
SACN0005	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/10/77-08/10/77	0	1	
SACN0006	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/15/74-05/15/74	0	1	
SACN0007	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/26/92-09/22/92	0	4	
SACN0012	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/09/79-07/09/79	0	2	
SACN0013	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/11/73-10/23/74	1	14	
SACN0014	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/09/79-07/09/79	0	2	
SACN0016	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/03/78-08/03/78	0	2	
SACN0017	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/26/92-09/22/92	0	4	
SACN0022	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-09/28/76	0	3	
SACN0023	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-07/13/76	0	2	
SACN0024	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-07/13/76	0	2	
SACN0025	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-09/26/77	1	18	
SACN0026	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-09/26/77	1	22	
SACN0028	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-07/13/76	0	2	
SACN0029	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/09/79-07/09/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0030	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/06/79-07/06/79	0	2	
SACN0039	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/20/79-07/21/79	0	2	
SACN0041	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/22/78-10/14/80	2	9	
SACN0044	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/20/79-07/20/79	0	1	
SACN0045	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/16/79-07/16/79	0	2	
SACN0054	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/24/79-07/24/79	0	2	
SACN0055	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/15/79-07/15/79	0	1	
SACN0061	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/26/79-07/26/79	0	1	
SACN0068	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/22/78-10/14/80	2	9	
SACN0070	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	0	1	
SACN0071	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	0	2	
SACN0072	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/26/79-07/26/79	0	2	
SACN0074	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	0	1	
SACN0077	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	0	1	
SACN0078	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	0	2	
SACN0079	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/26/79-07/26/79	0	2	
SACN0080	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/12/93-04/20/94	0	3	
SACN0087	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	0	1	
SACN0094	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/18/79-07/18/79	0	1	
SACN0095	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	0	1	
SACN0098	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	0	1	
SACN0104	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/28/86-04/28/94	7	19	
SACN0106	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	0	1	
SACN0107	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/12/79-08/12/79	0	2	
SACN0111	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/18/74-01/25/77	2	29	
SACN0113	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/12/79-08/12/79	0	1	
SACN0125	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	0	2	
SACN0126	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/12/79-08/12/79	0	1	
SACN0129	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/18/74-01/25/77	2	29	
SACN0135	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	0	1	
SACN0137	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	0	1	
SACN0138	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/12/79-08/12/79	0	2	
SACN0139	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	0	2	
SACN0141	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	0	2	
SACN0143	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	0	2	
SACN0145	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	0	2	
SACN0149	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	0	1	
SACN0151	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/24/78-10/15/80	2	9	
SACN0152	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	0	1	
SACN0153	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	0	2	
SACN0154	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	0	1	
SACN0155	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	0	2	
SACN0156	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	0	2	
SACN0158	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	0	1	
SACN0162	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	0	1	
SACN0163	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	0	1	
SACN0165	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	0	1	
SACN0168	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/16/79-08/16/79	0	2	
SACN0170	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/16/79-08/16/79	0	2	
SACN0173	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/16/79-08/16/79	0	1	
SACN0187	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	19	98	
SACN0193	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/22/90-09/13/90	0	2	
SACN0216	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/09/79-08/09/79	0	1	
SACN0218	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/12/73-02/08/75	1	7	
SACN0219	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/09/79-08/09/79	0	2	
SACN0220	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/12/73-02/08/75	1	17	
SACN0221	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/93-10/28/93	0	4	
SACN0222	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/93-10/28/93	0	2	
SACN0228	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/87-10/11/94	7	21	
SACN0231	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/79-08/28/79	0	2	
SACN0236	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/10/93-12/07/93	0	8	
SACN0238	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/07/79-08/07/79	0	1	
SACN0242	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/09/79-08/09/79	0	1	
SACN0244	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/93-10/05/93	0	2	
SACN0246	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/78-02/24/86	7	46	
SACN0248	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/10/86-04/17/95	9	27	
SACN0251	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	6	71	
SACN0260	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/10/93-12/07/93	0	9	
SACN0267	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/07/79-08/07/79	0	1	
SACN0268	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/07/79-08/07/79	0	1	
SACN0269	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/79-08/28/79	0	1	
SACN0286	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/07/79-08/07/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0290	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/03/93-04/17/95	1	4	
SACN0292	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/93-10/05/93	0	2	
SACN0295	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/79-08/28/79	0	2	
SACN0296	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/03/93-10/05/93	0	2	
SACN0304	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/10/93-12/07/93	0	10	
SACN0305	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/25/78-10/16/80	2	9	
SACN0306	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/12/73-10/08/74	1	6	
SACN0322	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/79-08/28/79	0	2	
SACN0332	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/12/73-02/09/75	1	16	
SACN0333	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/79-08/28/79	0	1	
SACN0336	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/21/69-06/25/71	2	25	
SACN0354	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	8	98	
SACN0360	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/14/74-11/14/74	0	5	
SACN0366	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/25/71	2	27	
SACN0373	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/03/74-12/03/74	0	2	
SACN0390	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/30/75-11/19/75	0	2	
SACN0392	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/23/72-08/11/80	8	6	
SACN0400	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/10/80-09/08/80	0	3	
SACN0441	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-03/16/77	5	67	
SACN0448	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/01/82-09/01/82	0	1	
SACN0452	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/07/74-06/18/76	2	25	
SACN0455	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	7	81	
SACN0457	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/01/82-09/01/82	0	1	
SACN0459	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/01/82-09/01/82	0	1	
SACN0463	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/77-06/24/77	0	1	
SACN0465	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/01/82-09/01/82	0	1	
SACN0466	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/01/82-09/01/82	0	1	
SACN0468	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/77-06/24/77	0	1	
SACN0001	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/79-07/09/79	0	2	
SACN0004	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/27/78-06/27/85	6	13	
SACN0005	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/77-08/10/77	0	1	
SACN0009	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/19/93-08/19/93	0	1	
SACN0010	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/20/93-08/20/93	0	1	
SACN0012	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/79-07/09/79	0	2	
SACN0013	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/11/73-10/23/74	1	5	
SACN0014	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/79-07/09/79	0	2	
SACN0016	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/03/78-08/03/78	0	2	
SACN0029	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/79-07/09/79	0	1	
SACN0030	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/06/79-07/06/79	0	2	
SACN0044	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/20/79-07/20/79	0	1	
SACN0045	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/16/79-07/16/79	0	2	
SACN0054	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/24/79-07/24/79	0	2	
SACN0055	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/15/79-07/15/79	0	1	
SACN0061	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/26/79-07/26/79	0	1	
SACN0070	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	0	1	
SACN0071	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	0	2	
SACN0072	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/26/79-07/26/79	0	2	
SACN0074	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	0	1	
SACN0077	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	0	1	
SACN0078	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	0	2	
SACN0079	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/26/79-07/26/79	0	2	
SACN0087	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	0	1	
SACN0094	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/18/79-07/18/79	0	1	
SACN0095	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	0	1	
SACN0098	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	0	1	
SACN0106	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	0	1	
SACN0107	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/12/79-08/12/79	0	2	
SACN0113	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/12/79-08/12/79	0	1	
SACN0125	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	0	2	
SACN0126	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/12/79-08/12/79	0	1	
SACN0135	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	0	1	
SACN0137	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	0	1	
SACN0138	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/12/79-08/12/79	0	2	
SACN0139	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	0	3	
SACN0141	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	0	2	
SACN0143	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	0	2	
SACN0144	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	0	1	
SACN0145	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	0	2	
SACN0153	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	0	2	
SACN0154	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	0	1	
SACN0155	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	0	2	
SACN0156	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0158	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	0	1	
SACN0162	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	0	2	
SACN0163	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	0	1	
SACN0165	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	0	1	
SACN0168	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/16/79-08/16/79	0	2	
SACN0170	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/16/79-08/16/79	0	2	
SACN0173	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/16/79-08/16/79	0	1	
SACN0176	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/26/72-11/03/72	0	3	
SACN0179	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/26/72-11/03/72	0	3	
SACN0216	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/09/79-08/09/79	0	1	
SACN0219	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/09/79-08/09/79	0	2	
SACN0220	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/12/73-02/08/75	1	8	
SACN0231	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/28/79-08/28/79	0	2	
SACN0242	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/09/79-08/09/79	0	1	
SACN0267	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/07/79-08/07/79	0	1	
SACN0268	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/07/79-08/07/79	0	1	
SACN0286	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/07/79-08/07/79	0	1	
SACN0295	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/28/79-08/28/79	0	2	
SACN0322	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/28/79-08/28/79	0	2	
SACN0326	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	0	3	
SACN0327	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	0	3	
SACN0332	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/12/73-10/08/74	1	6	
SACN0333	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/28/79-08/28/79	0	1	
SACN0351	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	0	3	
SACN0352	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	0	3	
SACN0355	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	0	3	
SACN0356	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	0	3	
SACN0450	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/03/72-11/04/72	0	2	
SACN0008	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/01/84-11/01/84	0	1	
SACN0011	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/08/91-08/08/91	0	1	
SACN0013	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/08/91-07/02/94	2	3	
SACN0019	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/01/84-11/01/84	0	1	
SACN0021	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/08/91-08/08/91	0	1	
SACN0059	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/04/84-11/04/84	0	1	
SACN0064	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/04/84-11/04/84	0	1	
SACN0080	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/12/93-08/16/94	1	8	
SACN0085	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/13/81-11/13/86	5	63	
SACN0102	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	04/24/85-09/01/89	4	56	
SACN0104	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/15/86-08/22/94	8	28	
SACN0112	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/03/84-11/03/84	0	1	
SACN0118	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/03/84-11/03/84	0	1	
SACN0124	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/05/93-08/31/93	0	4	
SACN0128	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/05/93-08/31/93	0	4	
SACN0142	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/30/93-09/12/94	1	10	
SACN0146	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/03/84-11/03/84	0	1	
SACN0157	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/28/84-10/28/84	0	1	
SACN0171	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/28/84-10/28/84	0	1	
SACN0181	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	0	1	
SACN0182	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/16/94-10/26/94	0	6	
SACN0183	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	0	1	
SACN0190	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	0	1	
SACN0193	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/22/90-08/22/90	0	1	
SACN0198	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	0	1	
SACN0200	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	0	1	
SACN0201	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	0	1	
SACN0204	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	0	1	
SACN0206	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/28/85-08/28/85	0	1	
SACN0209	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	12	77	
SACN0211	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/28/85-08/28/85	0	1	
SACN0221	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/22/93-10/28/93	0	4	
SACN0222	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/22/93-10/28/93	0	4	
SACN0228	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/19/86-10/11/94	8	41	
SACN0229	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	0	1	
SACN0244	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/05/93-10/05/93	0	5	
SACN0248	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	04/10/86-10/11/94	8	44	
SACN0266	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/28/84-10/28/84	0	1	
SACN0290	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/03/93-11/18/93	0	6	
SACN0292	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/05/93-10/05/93	0	6	
SACN0296	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/03/93-10/05/93	0	5	
SACN0324	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/10/74-10/09/94	20	95	
SACN0379	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/02/91-10/01/94	3	98	
SACN0392	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	21	261	T,A

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0400	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	42	150	T,S
SACN0403	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/03/85-09/26/94	9	77	
SACN0405	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/29/47-07/28/92	45	46	S
SACN0408	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/31/86-08/05/90	4	26	
SACN0411	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	03/12/81-03/12/81	0	1	
SACN0413	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/06/80-05/06/80	0	1	
SACN0417	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/06/80-05/06/80	0	1	
SACN0418	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/06/80-05/06/80	0	1	
SACN0419	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	03/12/81-03/12/81	0	1	
SACN0421	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/08/91-09/07/91	0	4	
SACN0427	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/21/91-08/26/92	1	6	
SACN0434	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/23/87-08/21/94	6	31	
SACN0004	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/27/78-08/14/78	0	4	
SACN0008	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/01/84-11/01/84	0	1	
SACN0011	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/08/91-08/08/91	0	2	
SACN0013	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/08/91-08/08/91	0	2	
SACN0019	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/01/84-11/01/84	0	1	
SACN0021	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/08/91-08/08/91	0	1	
SACN0022	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	0	4	
SACN0023	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	0	3	
SACN0024	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	0	3	
SACN0025	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	0	3	
SACN0026	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	0	5	
SACN0028	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	0	3	
SACN0041	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	10/20/75-10/14/80	4	20	
SACN0059	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/04/84-11/04/84	0	1	
SACN0064	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/04/84-11/04/84	0	1	
SACN0067	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	10/20/75-10/14/80	4	20	
SACN0080	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/12/93-04/20/94	0	3	
SACN0104	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/28/86-04/28/94	7	19	
SACN0111	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/18/72-01/25/77	4	58	
SACN0112	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/03/84-11/03/84	0	1	
SACN0118	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/03/84-11/03/84	0	1	
SACN0129	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	03/22/72-01/25/77	4	59	
SACN0146	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/03/84-11/03/84	0	1	
SACN0147	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	11/05/66-10/15/80	13	22	
SACN0157	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/28/84-10/28/84	0	1	
SACN0171	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/28/84-10/28/84	0	1	
SACN0181	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	0	1	
SACN0183	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	06/11/57-10/06/72	15	48	
SACN0190	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	0	1	
SACN0193	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/22/90-09/13/90	0	2	
SACN0198	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	0	1	
SACN0200	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	0	1	
SACN0201	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	0	1	
SACN0204	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	0	1	
SACN0205	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/06/68-06/06/68	0	1	
SACN0206	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/28/85-08/28/85	0	1	
SACN0209	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/08/82-10/22/86	4	22	
SACN0211	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/28/85-08/28/85	0	1	
SACN0221	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/28/93-10/28/93	0	1	
SACN0222	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/28/93-10/28/93	0	1	
SACN0226	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/07/68-06/07/68	0	1	
SACN0228	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/08/87-10/11/94	7	21	
SACN0229	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	0	1	
SACN0240	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/28/85-08/28/85	0	1	
SACN0244	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/05/93-10/05/93	0	2	
SACN0246	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/06/66-11/06/66	0	1	
SACN0248	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/10/86-04/17/95	9	27	
SACN0251	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	01/21/53-04/17/74	21	18	
SACN0266	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/28/84-10/28/84	0	1	
SACN0290	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/03/93-04/17/95	1	4	
SACN0292	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/05/93-10/05/93	0	2	
SACN0296	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/03/93-10/05/93	0	2	
SACN0305	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/25/66-10/16/80	13	21	
SACN0316	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/07/68-06/07/68	0	1	
SACN0336	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	06/12/67-06/25/71	4	39	
SACN0338	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	11/06/73-09/25/74	0	11	
SACN0354	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	06/28/67-10/05/72	5	44	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0366	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	06/12/67-06/25/71	4	41	
SACN0383	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/06/67-04/06/67	0	1	
SACN0385	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	01/21/53-07/25/56	3	14	
SACN0388	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	11/13/74-01/31/79	4	29	
SACN0390	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	15	185	A
SACN0392	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/31/78-09/05/85	7	8	
SACN0393	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	02/22/77-09/25/79	2	33	
SACN0394	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	01/21/53-12/12/57	4	21	
SACN0400	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/10/80-09/08/80	0	3	
SACN0403	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/31/86-07/31/86	0	2	
SACN0408	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/31/86-07/31/86	0	1	
SACN0432	No	00080	COLOR (PLATINUM-COBALT UNITS)	12/19/72-01/21/77	4	48	
SACN0436	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/13/67-06/06/68	0	7	
SACN0441	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/28/67-10/05/72	5	10	
SACN0443	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/24/77-08/31/79	2	30	
SACN0451	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/05/67-09/05/67	0	1	
SACN0455	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/13/67-10/06/72	5	43	
SACN0004	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	07/27/78-06/27/85	6	8	
SACN0005	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	08/10/77-08/10/77	0	1	
SACN0007	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	06/26/92-09/19/94	2	13	
SACN0009	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	08/19/93-08/19/93	0	1	
SACN0010	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	08/20/93-08/20/93	0	1	
SACN0016	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	08/03/78-08/03/78	0	2	
SACN0017	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	06/26/92-09/19/94	2	13	
SACN0068	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/14/80-10/14/80	0	1	
SACN0111	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/25/76-10/25/76	0	1	
SACN0193	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/13/90-09/13/90	0	1	
SACN0228	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/93-10/06/93	0	1	
SACN0244	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/05/93-10/05/93	0	1	
SACN0248	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/93-10/06/93	0	1	
SACN0292	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/05/93-10/05/93	0	1	
SACN0296	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/05/93-10/05/93	0	1	
SACN0392	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/27/82-10/13/82	0	224	
SACN0001	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/79-07/09/79	0	2	
SACN0004	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/78-06/27/85	6	151	
SACN0005	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/77-08/10/77	0	1	
SACN0006	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/15/74-05/15/74	0	1	
SACN0007	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/92-09/19/94	2	13	
SACN0008	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-11/01/84	0	1	
SACN0009	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/93-08/19/93	0	1	
SACN0010	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/93-08/20/93	0	1	
SACN0011	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/91-08/08/91	0	2	
SACN0012	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/79-07/09/79	0	2	
SACN0013	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/73-08/08/91	18	16	
SACN0014	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/79-07/09/79	0	2	
SACN0016	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/78-08/03/78	0	2	
SACN0017	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/92-09/19/94	2	13	
SACN0019	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-11/01/84	0	1	
SACN0021	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/91-08/08/91	0	1	
SACN0022	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-03/12/77	0	4	
SACN0023	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-03/12/77	0	3	
SACN0024	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-03/12/77	0	3	
SACN0025	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-09/28/77	1	20	
SACN0026	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-09/28/77	1	24	
SACN0028	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-03/12/77	0	3	
SACN0029	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/79-07/09/79	0	1	
SACN0030	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/79-07/06/79	0	2	
SACN0039	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/79-07/21/79	0	2	
SACN0041	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/20/75-08/26/85	9	29	
SACN0044	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/79-07/20/79	0	1	
SACN0045	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/16/79-07/16/79	0	2	
SACN0049	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/81-06/15/82	0	3	
SACN0050	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/81-06/15/82	0	3	
SACN0054	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/79-07/24/79	0	2	
SACN0055	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/79-07/15/79	0	1	
SACN0059	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/84-11/04/84	0	1	
SACN0061	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/79-07/26/79	0	1	
SACN0064	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/84-11/04/84	0	1	
SACN0067	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/01/76-04/01/76	0	1	
SACN0068	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/68-08/26/85	17	28	
SACN0070	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	0	1	
SACN0071	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	07/19/79-07/19/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0072	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/79-07/26/79	0	2	
SACN0074	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	0	1	
SACN0077	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	0	1	
SACN0078	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	0	2	
SACN0079	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/79-07/26/79	0	2	
SACN0080	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/12/93-04/20/94	0	3	
SACN0085	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/13/81-11/13/86	5	292	
SACN0087	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	0	1	
SACN0094	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/18/79-07/18/79	0	1	
SACN0095	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	0	1	
SACN0098	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	0	1	
SACN0101	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	10	75	
SACN0103	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/86-08/28/86	0	1	
SACN0104	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/87-04/28/94	7	17	
SACN0106	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	0	1	
SACN0107	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/79-08/12/79	0	2	
SACN0111	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	9	94	
SACN0112	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/03/84-11/03/84	0	1	
SACN0113	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/79-08/12/79	0	1	
SACN0115	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/21/75-08/25/83	7	17	
SACN0118	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/03/84-11/03/84	0	1	
SACN0120	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/84-08/27/86	2	3	
SACN0123	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/84-08/27/86	2	3	
SACN0125	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	0	2	
SACN0126	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/79-08/12/79	0	1	
SACN0129	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-01/25/77	1	19	
SACN0135	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	0	1	
SACN0137	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	0	1	
SACN0138	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/79-08/12/79	0	2	
SACN0139	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	0	2	
SACN0141	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	0	2	
SACN0143	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	0	2	
SACN0145	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	0	2	
SACN0146	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/03/84-11/03/84	0	1	
SACN0147	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/70-10/09/70	0	1	
SACN0149	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	0	1	
SACN0151	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	26	120	T,S
SACN0152	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	0	1	
SACN0153	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	0	2	
SACN0154	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	0	1	
SACN0155	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	0	2	
SACN0156	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	0	2	
SACN0157	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/84-10/28/84	0	1	
SACN0158	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	0	1	
SACN0162	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	0	2	
SACN0163	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	0	1	
SACN0165	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	0	1	
SACN0168	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/79-08/16/79	0	2	
SACN0170	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/79-08/16/79	0	2	
SACN0171	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/84-10/28/84	0	1	
SACN0172	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/23/75-08/24/83	7	18	
SACN0173	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/79-08/16/79	0	1	
SACN0176	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/72-11/03/72	0	8	
SACN0179	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/72-11/03/72	0	9	
SACN0181	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	0	1	
SACN0183	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	27	271	T,A,S
SACN0190	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	0	1	
SACN0193	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/90-09/13/90	0	2	
SACN0198	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	0	1	
SACN0200	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	0	1	
SACN0201	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	0	1	
SACN0204	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	0	1	
SACN0205	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/68-08/24/83	15	18	
SACN0206	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/85-08/28/85	0	1	
SACN0209	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/08/82-10/22/86	4	23	
SACN0211	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/85-08/28/85	0	1	
SACN0216	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/09/79-08/09/79	0	1	
SACN0218	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/73-02/08/75	1	7	
SACN0219	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/09/79-08/09/79	0	2	
SACN0220	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/73-02/08/75	1	17	
SACN0221	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	06/22/93-10/28/93	0	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0222	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/93-10/28/93	0	3	
SACN0226	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/68-06/07/68	0	1	
SACN0228	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/88-10/11/94	5	18	
SACN0229	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	0	1	
SACN0231	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/79-08/28/79	0	2	
SACN0233	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/27/87-04/27/87	0	1	
SACN0236	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/90-12/07/93	3	38	
SACN0238	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/07/79-08/07/79	0	1	
SACN0240	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/85-08/28/85	0	1	
SACN0242	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/09/79-08/09/79	0	1	
SACN0244	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/05/93-10/05/93	0	2	
SACN0246	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	27	157	T,S
SACN0248	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/88-04/17/95	6	17	
SACN0251	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	6	70	
SACN0260	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/93-12/07/93	0	11	
SACN0261	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/81-07/20/83	1	4	
SACN0266	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/84-10/28/84	0	1	
SACN0267	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/07/79-08/07/79	0	1	
SACN0268	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/07/79-08/07/79	0	1	
SACN0269	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/79-08/28/79	0	1	
SACN0286	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/07/79-08/07/79	0	1	
SACN0289	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/81-07/21/83	1	3	
SACN0290	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/03/93-04/17/95	1	4	
SACN0292	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/05/93-10/05/93	0	2	
SACN0293	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/81-07/21/83	1	3	
SACN0295	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/79-08/28/79	0	2	
SACN0296	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/03/93-10/05/93	0	2	
SACN0304	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/90-12/07/93	3	42	
SACN0305	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/25/66-08/23/83	16	31	
SACN0306	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/73-10/08/74	1	6	
SACN0307	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/81-07/21/83	1	3	
SACN0313	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/22/75-08/27/85	9	18	
SACN0316	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/68-06/07/68	0	1	
SACN0322	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/79-08/28/79	0	2	
SACN0326	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	0	18	
SACN0327	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	0	18	
SACN0332	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/73-02/09/75	1	16	
SACN0333	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/79-08/28/79	0	1	
SACN0336	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-06/25/71	4	39	
SACN0338	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/73-09/25/74	0	11	
SACN0339	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/81-07/20/83	1	3	
SACN0351	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	0	11	
SACN0352	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	0	11	
SACN0354	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	27	270	T,A,S
SACN0355	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	0	8	
SACN0356	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	0	8	
SACN0360	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/14/74-11/14/74	0	5	
SACN0366	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-06/25/71	4	40	
SACN0373	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/03/74-12/03/74	0	2	
SACN0379	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/20/91-08/26/92	1	6	
SACN0383	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/06/67-04/06/67	0	1	
SACN0385	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	13	64	
SACN0388	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/13/74-09/08/81	6	53	
SACN0390	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/19/77-02/27/79	2	25	
SACN0392	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	7	102	
SACN0393	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/22/77-09/08/81	4	44	
SACN0400	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/10/84-08/27/92	8	27	
SACN0403	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/86-07/31/86	0	2	
SACN0408	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/86-07/31/86	0	1	
SACN0411	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/80-11/12/81	1	29	
SACN0413	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/06/80-05/06/80	0	1	
SACN0416	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/80-11/05/80	0	8	
SACN0417	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/06/80-05/06/80	0	1	
SACN0418	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/06/80-05/06/80	0	1	
SACN0419	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/80-11/12/81	1	42	
SACN0420	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/81-11/12/81	0	1	
SACN0427	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/21/91-08/26/92	1	6	
SACN0432	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/28/72-01/21/77	4	50	
SACN0436	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/06/68	0	7	
SACN0441	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	27	171	T,A,S
SACN0443	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/24/77-09/03/81	4	42	
SACN0444	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	02/15/77-12/06/88	11	138	A

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0448	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/82-09/01/82	0	1	
SACN0450	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	0	8	
SACN0451	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/05/67-09/05/67	0	1	
SACN0452	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	20	61	
SACN0455	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	9	94	
SACN0457	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/82-09/01/82	0	1	
SACN0459	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/82-09/01/82	0	1	
SACN0465	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/82-09/01/82	0	1	
SACN0466	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/82-09/01/82	0	1	
SACN0357	Yes	00100	TIME OF TRAVEL (HOURS)	08/25/64-08/25/64	0	6	
SACN0228	No	00134	STORM EVENT SERIAL NUMBER MAXIMUM OF 6 SIG.FIG.	10/11/94-10/11/94	0	1	
SACN0248	No	00134	STORM EVENT SERIAL NUMBER MAXIMUM OF 6 SIG.FIG.	10/11/94-04/17/95	0	2	
SACN0290	No	00134	STORM EVENT SERIAL NUMBER MAXIMUM OF 6 SIG.FIG.	04/17/95-04/17/95	0	1	
SACN0080	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	03/14/95-03/14/95	0	2	
SACN0104	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	03/13/95-03/16/95	0	2	
SACN0187	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	14	128	
SACN0248	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	03/14/95-04/17/95	0	3	
SACN0290	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	03/14/95-04/17/95	0	3	
SACN0354	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	14	127	
SACN0385	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	13	64	
SACN0441	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	11	97	
SACN0452	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/08/90-09/07/94	3	36	
SACN0008	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	11/01/84-11/01/84	0	1	
SACN0019	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	11/01/84-11/01/84	0	1	
SACN0059	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	11/04/84-11/04/84	0	1	
SACN0064	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	11/04/84-11/04/84	0	1	
SACN0112	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	11/03/84-11/03/84	0	1	
SACN0118	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	11/03/84-11/03/84	0	1	
SACN0146	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	11/03/84-11/03/84	0	1	
SACN0157	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/28/84-10/28/84	0	1	
SACN0171	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/28/84-10/28/84	0	1	
SACN0266	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/28/84-10/28/84	0	1	
SACN0248	No	00157	RESIDUE,TOTAL VOLATILE,IN WHOLE WATER, % REMOVAL	03/15/89-03/15/89	0	1	
SACN0444	No	00157	RESIDUE,TOTAL VOLATILE,IN WHOLE WATER, % REMOVAL	08/29/88-06/13/89	0	4	
SACN0004	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/27/78-08/14/78	0	141	
SACN0009	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/26/92-08/19/93	1	30	
SACN0010	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/26/92-08/20/93	1	26	
SACN0001	No	00300	OXYGEN, DISSOLVED MG/L	07/09/79-07/09/79	0	2	
SACN0004	No	00300	OXYGEN, DISSOLVED MG/L	07/27/78-07/09/84	5	9	
SACN0005	No	00300	OXYGEN, DISSOLVED MG/L	08/10/77-08/10/77	0	1	
SACN0006	No	00300	OXYGEN, DISSOLVED MG/L	05/15/74-05/15/74	0	1	
SACN0011	No	00300	OXYGEN, DISSOLVED MG/L	08/08/91-08/08/91	0	2	
SACN0012	No	00300	OXYGEN, DISSOLVED MG/L	07/09/79-07/09/79	0	2	
SACN0013	No	00300	OXYGEN, DISSOLVED MG/L	07/11/73-08/08/91	18	16	
SACN0014	No	00300	OXYGEN, DISSOLVED MG/L	07/09/79-07/09/79	0	2	
SACN0016	No	00300	OXYGEN, DISSOLVED MG/L	08/03/78-08/03/78	0	2	
SACN0021	No	00300	OXYGEN, DISSOLVED MG/L	08/08/91-08/08/91	0	1	
SACN0022	No	00300	OXYGEN, DISSOLVED MG/L	05/21/76-09/28/76	0	3	
SACN0023	No	00300	OXYGEN, DISSOLVED MG/L	05/21/76-07/13/76	0	2	
SACN0024	No	00300	OXYGEN, DISSOLVED MG/L	05/21/76-07/13/76	0	2	
SACN0025	No	00300	OXYGEN, DISSOLVED MG/L	05/21/76-07/13/76	0	2	
SACN0026	Yes	00300	OXYGEN, DISSOLVED MG/L	05/21/76-10/04/76	0	4	
SACN0028	No	00300	OXYGEN, DISSOLVED MG/L	05/21/76-07/13/76	0	2	
SACN0029	No	00300	OXYGEN, DISSOLVED MG/L	07/09/79-07/09/79	0	1	
SACN0030	No	00300	OXYGEN, DISSOLVED MG/L	07/06/79-07/06/79	0	2	
SACN0039	No	00300	OXYGEN, DISSOLVED MG/L	07/20/79-07/20/79	0	1	
SACN0041	Yes	00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/26/85	9	28	
SACN0044	No	00300	OXYGEN, DISSOLVED MG/L	07/20/79-07/20/79	0	1	
SACN0045	No	00300	OXYGEN, DISSOLVED MG/L	07/16/79-07/16/79	0	2	
SACN0049	Yes	00300	OXYGEN, DISSOLVED MG/L	08/17/81-06/15/82	0	3	
SACN0050	Yes	00300	OXYGEN, DISSOLVED MG/L	08/17/81-06/15/82	0	3	
SACN0054	No	00300	OXYGEN, DISSOLVED MG/L	07/24/79-07/24/79	0	2	
SACN0055	No	00300	OXYGEN, DISSOLVED MG/L	07/15/79-07/15/79	0	1	
SACN0061	No	00300	OXYGEN, DISSOLVED MG/L	07/26/79-07/26/79	0	1	
SACN0067	No	00300	OXYGEN, DISSOLVED MG/L	02/05/76-04/01/76	0	2	
SACN0068	Yes	00300	OXYGEN, DISSOLVED MG/L	02/05/76-08/26/85	9	27	
SACN0070	No	00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	0	1	
SACN0071	No	00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	0	2	
SACN0072	No	00300	OXYGEN, DISSOLVED MG/L	07/26/79-07/26/79	0	2	
SACN0074	No	00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	0	1	
SACN0076	No	00300	OXYGEN, DISSOLVED MG/L	07/14/75-10/27/75	0	3	
SACN0077	No	00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0078	No	00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	0	2	
SACN0079	No	00300	OXYGEN, DISSOLVED MG/L	07/26/79-07/26/79	0	2	
SACN0080	No	00300	OXYGEN, DISSOLVED MG/L	05/12/93-03/14/95	1	17	
SACN0085	No	00300	OXYGEN, DISSOLVED MG/L	08/13/81-11/13/86	5	291	
SACN0087	No	00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	0	1	
SACN0094	No	00300	OXYGEN, DISSOLVED MG/L	07/18/79-07/18/79	0	1	
SACN0095	No	00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	0	1	
SACN0098	No	00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	0	1	
SACN0101	Yes	00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	10	73	
SACN0103	No	00300	OXYGEN, DISSOLVED MG/L	08/28/86-08/28/86	0	1	
SACN0104	No	00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	8	115	
SACN0106	No	00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	0	1	
SACN0107	No	00300	OXYGEN, DISSOLVED MG/L	08/12/79-08/12/79	0	1	
SACN0111	No	00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	12	130	
SACN0113	No	00300	OXYGEN, DISSOLVED MG/L	08/12/79-08/12/79	0	1	
SACN0115	Yes	00300	OXYGEN, DISSOLVED MG/L	07/22/76-08/25/83	7	15	
SACN0120	No	00300	OXYGEN, DISSOLVED MG/L	08/20/84-08/27/86	2	3	
SACN0123	No	00300	OXYGEN, DISSOLVED MG/L	08/20/84-08/27/86	2	3	
SACN0125	No	00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	0	2	
SACN0126	No	00300	OXYGEN, DISSOLVED MG/L	08/12/79-08/12/79	0	1	
SACN0129	Yes	00300	OXYGEN, DISSOLVED MG/L	04/18/72-01/25/77	4	56	
SACN0135	No	00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	0	1	
SACN0137	No	00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	0	1	
SACN0138	No	00300	OXYGEN, DISSOLVED MG/L	08/12/79-08/12/79	0	2	
SACN0139	No	00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	0	2	
SACN0141	No	00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	0	2	
SACN0143	No	00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	0	2	
SACN0144	No	00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	0	1	
SACN0145	No	00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	0	2	
SACN0149	No	00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	0	1	
SACN0151	Yes	00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/27/85	9	26	
SACN0152	No	00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	0	1	
SACN0153	No	00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	0	2	
SACN0154	No	00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	0	1	
SACN0155	No	00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	0	2	
SACN0156	No	00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	0	2	
SACN0158	No	00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	0	1	
SACN0162	No	00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	0	1	
SACN0163	No	00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	0	1	
SACN0165	No	00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	0	1	
SACN0168	No	00300	OXYGEN, DISSOLVED MG/L	08/16/79-08/16/79	0	2	
SACN0170	No	00300	OXYGEN, DISSOLVED MG/L	08/16/79-08/16/79	0	2	
SACN0172	Yes	00300	OXYGEN, DISSOLVED MG/L	04/05/76-08/24/83	7	16	
SACN0173	No	00300	OXYGEN, DISSOLVED MG/L	08/16/79-08/16/79	0	1	
SACN0176	No	00300	OXYGEN, DISSOLVED MG/L	06/26/72-11/03/72	0	5	
SACN0179	No	00300	OXYGEN, DISSOLVED MG/L	06/26/72-11/03/72	0	6	
SACN0187	Yes	00300	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	37	307	T,A,S
SACN0191	No	00300	OXYGEN, DISSOLVED MG/L	09/13/90-09/13/90	0	1	
SACN0193	No	00300	OXYGEN, DISSOLVED MG/L	08/22/90-09/13/90	0	19	
SACN0196	No	00300	OXYGEN, DISSOLVED MG/L	09/13/90-09/13/90	0	1	
SACN0205	No	00300	OXYGEN, DISSOLVED MG/L	07/22/76-08/24/83	7	15	
SACN0209	No	00300	OXYGEN, DISSOLVED MG/L	10/11/82-10/22/86	4	105	
SACN0218	No	00300	OXYGEN, DISSOLVED MG/L	11/06/73-02/08/75	1	6	
SACN0219	No	00300	OXYGEN, DISSOLVED MG/L	08/09/79-08/09/79	0	1	
SACN0220	No	00300	OXYGEN, DISSOLVED MG/L	09/12/73-10/15/90	17	38	
SACN0221	No	00300	OXYGEN, DISSOLVED MG/L	06/22/93-10/28/93	0	5	
SACN0222	No	00300	OXYGEN, DISSOLVED MG/L	06/22/93-10/28/93	0	5	
SACN0224	No	00300	OXYGEN, DISSOLVED MG/L	11/13/90-01/10/91	0	3	
SACN0228	No	00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	8	110	
SACN0231	No	00300	OXYGEN, DISSOLVED MG/L	08/28/79-08/28/79	0	2	
SACN0232	No	00300	OXYGEN, DISSOLVED MG/L	11/13/90-12/16/92	2	26	
SACN0236	No	00300	OXYGEN, DISSOLVED MG/L	07/05/90-12/07/93	3	45	
SACN0238	No	00300	OXYGEN, DISSOLVED MG/L	08/07/79-08/07/79	0	1	
SACN0244	No	00300	OXYGEN, DISSOLVED MG/L	02/23/93-10/05/93	0	11	
SACN0246	No	00300	OXYGEN, DISSOLVED MG/L	03/09/76-04/04/86	10	58	
SACN0248	No	00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	9	110	
SACN0249	No	00300	OXYGEN, DISSOLVED MG/L	06/24/93-09/02/93	0	5	
SACN0251	Yes	00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	24	103	
SACN0254	No	00300	OXYGEN, DISSOLVED MG/L	09/04/84-11/03/87	3	34	
SACN0257	No	00300	OXYGEN, DISSOLVED MG/L	09/04/84-09/01/87	2	8	
SACN0259	No	00300	OXYGEN, DISSOLVED MG/L	09/04/84-09/01/87	2	14	
SACN0260	No	00300	OXYGEN, DISSOLVED MG/L	10/29/92-12/07/93	1	22	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0261	No	00300	OXYGEN, DISSOLVED MG/L	08/20/81-07/20/83	1	4	
SACN0263	No	00300	OXYGEN, DISSOLVED MG/L	06/24/93-09/02/93	0	5	
SACN0267	No	00300	OXYGEN, DISSOLVED MG/L	08/07/79-08/07/79	0	1	
SACN0268	No	00300	OXYGEN, DISSOLVED MG/L	08/07/79-08/07/79	0	1	
SACN0269	No	00300	OXYGEN, DISSOLVED MG/L	08/28/79-08/28/79	0	1	
SACN0282	No	00300	OXYGEN, DISSOLVED MG/L	03/25/82-03/25/82	0	3	
SACN0286	No	00300	OXYGEN, DISSOLVED MG/L	08/07/79-08/07/79	0	1	
SACN0289	Yes	00300	OXYGEN, DISSOLVED MG/L	08/20/81-07/21/83	1	3	
SACN0290	No	00300	OXYGEN, DISSOLVED MG/L	03/08/93-04/17/95	2	16	
SACN0292	No	00300	OXYGEN, DISSOLVED MG/L	02/23/93-10/05/93	0	22	
SACN0293	Yes	00300	OXYGEN, DISSOLVED MG/L	08/20/81-07/21/83	1	3	
SACN0295	No	00300	OXYGEN, DISSOLVED MG/L	08/28/79-08/28/79	0	1	
SACN0296	No	00300	OXYGEN, DISSOLVED MG/L	03/04/93-10/05/93	0	12	
SACN0297	Yes	00300	OXYGEN, DISSOLVED MG/L	07/08/64-09/21/64	0	16	
SACN0298	No	00300	OXYGEN, DISSOLVED MG/L	06/24/93-09/02/93	0	4	
SACN0299	Yes	00300	OXYGEN, DISSOLVED MG/L	06/11/57-10/18/65	8	40	
SACN0301	No	00300	OXYGEN, DISSOLVED MG/L	06/24/93-09/02/93	0	5	
SACN0303	No	00300	OXYGEN, DISSOLVED MG/L	06/24/93-09/02/93	0	4	
SACN0304	No	00300	OXYGEN, DISSOLVED MG/L	07/05/90-12/07/93	3	52	
SACN0305	No	00300	OXYGEN, DISSOLVED MG/L	02/03/76-08/23/83	7	27	
SACN0306	No	00300	OXYGEN, DISSOLVED MG/L	11/06/73-10/08/74	0	5	
SACN0307	Yes	00300	OXYGEN, DISSOLVED MG/L	08/20/81-07/21/83	1	3	
SACN0313	No	00300	OXYGEN, DISSOLVED MG/L	07/23/76-08/27/85	9	16	
SACN0322	Yes	00300	OXYGEN, DISSOLVED MG/L	08/28/79-08/28/79	0	2	
SACN0326	Yes	00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	0	16	
SACN0327	Yes	00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	0	16	
SACN0329	No	00300	OXYGEN, DISSOLVED MG/L	02/24/65-02/26/65	0	44	
SACN0332	Yes	00300	OXYGEN, DISSOLVED MG/L	09/12/73-09/12/91	18	23	
SACN0333	Yes	00300	OXYGEN, DISSOLVED MG/L	08/28/79-08/28/79	0	1	
SACN0336	Yes	00300	OXYGEN, DISSOLVED MG/L	06/12/67-06/25/71	4	39	
SACN0338	Yes	00300	OXYGEN, DISSOLVED MG/L	11/06/73-09/25/74	0	11	
SACN0339	Yes	00300	OXYGEN, DISSOLVED MG/L	08/21/81-07/20/83	1	3	
SACN0348	Yes	00300	OXYGEN, DISSOLVED MG/L	08/24/64-08/26/64	0	54	
SACN0349	Yes	00300	OXYGEN, DISSOLVED MG/L	07/23/64-09/16/65	1	80	
SACN0350	Yes	00300	OXYGEN, DISSOLVED MG/L	08/09/65-09/16/65	0	14	
SACN0351	Yes	00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	0	9	
SACN0352	Yes	00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	0	9	
SACN0354	Yes	00300	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	27	271	T,A,S
SACN0355	Yes	00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	0	6	
SACN0356	Yes	00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	0	6	
SACN0357	Yes	00300	OXYGEN, DISSOLVED MG/L	08/24/64-08/26/64	0	15	
SACN0366	Yes	00300	OXYGEN, DISSOLVED MG/L	06/12/67-06/25/71	4	40	
SACN0385	Yes	00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	41	131	T,S
SACN0386	Yes	00300	OXYGEN, DISSOLVED MG/L	07/08/64-09/16/65	1	82	
SACN0388	Yes	00300	OXYGEN, DISSOLVED MG/L	11/13/74-09/08/81	6	50	
SACN0390	Yes	00300	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	17	209	A
SACN0392	No	00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	6	1054	
SACN0393	Yes	00300	OXYGEN, DISSOLVED MG/L	02/22/77-09/08/81	4	43	
SACN0394	Yes	00300	OXYGEN, DISSOLVED MG/L	01/21/53-10/18/65	12	78	
SACN0398	Yes	00300	OXYGEN, DISSOLVED MG/L	04/10/64-01/04/66	1	183	
SACN0400	No	00300	OXYGEN, DISSOLVED MG/L	07/23/73-09/11/84	11	134	
SACN0403	No	00300	OXYGEN, DISSOLVED MG/L	07/31/86-07/31/86	0	35	
SACN0405	No	00300	OXYGEN, DISSOLVED MG/L	06/23/75-06/23/75	0	5	
SACN0408	No	00300	OXYGEN, DISSOLVED MG/L	07/31/86-07/31/86	0	9	
SACN0411	No	00300	OXYGEN, DISSOLVED MG/L	11/05/80-11/12/81	1	40	
SACN0416	No	00300	OXYGEN, DISSOLVED MG/L	11/05/80-11/05/80	0	7	
SACN0419	No	00300	OXYGEN, DISSOLVED MG/L	11/05/80-11/12/81	1	58	
SACN0432	No	00300	OXYGEN, DISSOLVED MG/L	01/01/36-01/21/77	41	471	S
SACN0436	No	00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/06/68	0	7	
SACN0441	No	00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	36	212	T,S
SACN0442	No	00300	OXYGEN, DISSOLVED MG/L	01/27/65-09/30/65	0	38	
SACN0443	No	00300	OXYGEN, DISSOLVED MG/L	02/24/77-09/03/81	4	41	
SACN0444	No	00300	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	11	152	A
SACN0448	No	00300	OXYGEN, DISSOLVED MG/L	09/01/82-09/01/82	0	1	
SACN0450	No	00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	0	6	
SACN0452	No	00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	20	60	
SACN0455	No	00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	9	95	
SACN0457	No	00300	OXYGEN, DISSOLVED MG/L	09/01/82-09/01/82	0	1	
SACN0459	No	00300	OXYGEN, DISSOLVED MG/L	09/01/82-09/01/82	0	1	
SACN0463	No	00300	OXYGEN, DISSOLVED MG/L	06/24/77-06/24/77	0	1	
SACN0465	No	00300	OXYGEN, DISSOLVED MG/L	09/01/82-09/01/82	0	1	
SACN0466	No	00300	OXYGEN, DISSOLVED MG/L	09/01/82-09/01/82	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0468	No	00300	OXYGEN, DISSOLVED MG/L	06/24/77-06/24/77	0	1	
SACN0041	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/04/76-08/24/82	6	25	
SACN0049	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/17/81-06/15/82	0	3	
SACN0050	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/17/81-06/15/82	0	3	
SACN0067	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/05/76-04/01/76	0	2	
SACN0068	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/05/76-08/24/82	6	24	
SACN0115	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/76-08/24/82	6	13	
SACN0151	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/04/76-08/24/82	6	23	
SACN0172	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/05/76-08/25/82	6	14	
SACN0205	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/76-08/25/82	6	13	
SACN0246	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/09/76-08/18/82	6	41	
SACN0261	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/20/81-08/17/82	0	2	
SACN0289	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/20/81-08/17/82	0	2	
SACN0293	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/20/81-08/17/82	0	2	
SACN0305	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/03/76-08/26/82	6	25	
SACN0307	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/20/81-08/17/82	0	2	
SACN0313	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/18/77-08/25/82	5	12	
SACN0338	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/06/73-09/25/74	0	11	
SACN0339	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/21/81-08/17/82	0	2	
SACN0388	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/13/74-09/08/81	6	50	
SACN0393	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/22/77-09/08/81	4	43	
SACN0432	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/01/36-01/21/77	41	468	S
SACN0443	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/24/77-09/03/81	4	41	
SACN0398	Yes	00303	BOD, 1DAY, 20 DEG C MG/L	09/09/64-09/09/64	0	1	
SACN0442	No	00303	BOD, 1DAY, 20 DEG C MG/L	01/27/65-01/28/65	0	2	
SACN0349	Yes	00304	BOD, 2 DAY, 20 DEG C MG/L	09/08/65-09/16/65	0	9	
SACN0350	Yes	00304	BOD, 2 DAY, 20 DEG C MG/L	09/08/65-09/16/65	0	9	
SACN0386	Yes	00304	BOD, 2 DAY, 20 DEG C MG/L	09/08/65-09/16/65	0	9	
SACN0398	Yes	00304	BOD, 2 DAY, 20 DEG C MG/L	08/24/65-01/04/66	0	20	
SACN0442	No	00304	BOD, 2 DAY, 20 DEG C MG/L	08/24/65-09/30/65	0	16	
SACN0398	Yes	00305	BOD, 3 DAY, 20 DEG C MG/L	09/09/64-09/09/64	0	1	
SACN0442	No	00305	BOD, 3 DAY, 20 DEG C MG/L	01/27/65-01/27/65	0	1	
SACN0022	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-09/28/76	0	3	
SACN0023	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-07/13/76	0	2	
SACN0024	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-07/13/76	0	2	
SACN0025	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-09/28/77	1	6	
SACN0026	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-09/28/77	1	6	
SACN0028	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-07/13/76	0	2	
SACN0056	No	00310	BOD, 5 DAY, 20 DEG C MG/L	11/03/87-11/03/87	0	1	
SACN0076	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/75-08/25/75	0	2	
SACN0111	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/18/72-01/25/77	4	50	
SACN0129	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	03/22/72-01/25/77	4	50	
SACN0187	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	37	295	T,A,S
SACN0209	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/11/82-09/12/83	0	9	
SACN0236	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/07/91-09/23/92	1	5	
SACN0251	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	24	103	
SACN0282	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/09/85-12/09/85	0	1	
SACN0297	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/64-09/21/64	0	6	
SACN0299	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	06/11/57-10/18/65	8	40	
SACN0304	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/07/91-09/23/92	1	5	
SACN0329	No	00310	BOD, 5 DAY, 20 DEG C MG/L	02/24/65-02/26/65	0	8	
SACN0336	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	06/12/67-06/25/71	4	39	
SACN0338	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-08/06/75	1	11	
SACN0349	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/64-09/16/65	1	15	
SACN0350	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	09/08/65-09/16/65	0	9	
SACN0354	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	27	258	T,A,S
SACN0360	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	11/14/74-11/14/74	0	5	
SACN0366	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	06/12/67-06/25/71	4	40	
SACN0373	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	12/03/74-12/03/74	0	2	
SACN0385	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	41	131	T,S
SACN0386	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/64-09/16/65	1	16	
SACN0388	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	11/13/74-12/08/76	2	22	
SACN0390	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	17	203	A
SACN0394	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-10/18/65	12	78	
SACN0398	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/06/64-01/04/66	1	43	
SACN0432	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/01/36-12/21/76	40	228	S
SACN0436	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/06/68	0	7	
SACN0441	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	36	199	T,S
SACN0442	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/27/65-09/30/65	0	21	
SACN0444	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	11	105	
SACN0448	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/01/82-09/01/82	0	1	
SACN0452	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	20	61	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0455	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	9	95	
SACN0457	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/01/82-09/01/82	0	1	
SACN0459	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/01/82-09/01/82	0	1	
SACN0463	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/24/77-06/24/77	0	1	
SACN0465	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/01/82-09/01/82	0	1	
SACN0466	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/01/82-09/01/82	0	1	
SACN0468	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/24/77-06/24/77	0	1	
SACN0025	No	00312	BOD, 6 DAY, 20 DEG C MG/L	09/23/77-09/24/77	0	3	
SACN0026	Yes	00312	BOD, 6 DAY, 20 DEG C MG/L	10/04/76-09/24/77	0	5	
SACN0076	No	00312	BOD, 6 DAY, 20 DEG C MG/L	07/14/75-10/27/75	0	2	
SACN0111	No	00312	BOD, 6 DAY, 20 DEG C MG/L	01/06/75-10/25/76	1	8	
SACN0129	Yes	00312	BOD, 6 DAY, 20 DEG C MG/L	08/27/73-10/25/76	3	8	
SACN0282	No	00312	BOD, 6 DAY, 20 DEG C MG/L	05/02/86-05/02/86	0	1	
SACN0390	Yes	00312	BOD, 6 DAY, 20 DEG C MG/L	06/03/74-04/11/77	2	7	
SACN0444	No	00312	BOD, 6 DAY, 20 DEG C MG/L	04/11/77-11/02/87	10	32	
SACN0398	Yes	00315	BOD, 7 DAY, 20 DEG C MG/L	09/09/64-09/09/64	0	1	
SACN0442	No	00315	BOD, 7 DAY, 20 DEG C MG/L	01/27/65-01/28/65	0	2	
SACN0101	Yes	00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	10	73	
SACN0111	No	00335	COD, .025N K2CR2O7 MG/L	06/14/82-12/13/84	2	20	
SACN0187	Yes	00335	COD, .025N K2CR2O7 MG/L	07/08/74-12/17/75	1	14	
SACN0251	Yes	00335	COD, .025N K2CR2O7 MG/L	07/08/74-12/17/75	1	14	
SACN0354	Yes	00335	COD, .025N K2CR2O7 MG/L	07/15/74-06/16/80	5	46	
SACN0398	Yes	00335	COD, .025N K2CR2O7 MG/L	01/04/66-01/04/66	0	1	
SACN0441	No	00335	COD, .025N K2CR2O7 MG/L	07/15/74-12/09/75	1	15	
SACN0442	No	00335	COD, .025N K2CR2O7 MG/L	02/02/65-02/05/65	0	2	
SACN0452	No	00335	COD, .025N K2CR2O7 MG/L	07/09/74-12/17/75	1	15	
SACN0455	No	00335	COD, .025N K2CR2O7 MG/L	07/09/74-12/17/75	1	15	
SACN0111	No	00340	COD, .25N K2CR2O7 MG/L	03/23/77-04/22/82	5	54	
SACN0373	Yes	00340	COD, .25N K2CR2O7 MG/L	12/03/74-12/03/74	0	2	
SACN0004	No	00400	PH (STANDARD UNITS)	07/27/78-06/27/85	6	151	
SACN0005	No	00400	PH (STANDARD UNITS)	08/10/77-08/10/77	0	1	
SACN0009	No	00400	PH (STANDARD UNITS)	08/19/93-08/19/93	0	1	
SACN0010	No	00400	PH (STANDARD UNITS)	08/20/93-08/20/93	0	1	
SACN0011	No	00400	PH (STANDARD UNITS)	08/08/91-08/08/91	0	2	
SACN0013	No	00400	PH (STANDARD UNITS)	08/08/91-08/08/91	0	2	
SACN0016	No	00400	PH (STANDARD UNITS)	08/03/78-08/03/78	0	2	
SACN0021	No	00400	PH (STANDARD UNITS)	08/08/91-08/08/91	0	1	
SACN0022	No	00400	PH (STANDARD UNITS)	05/21/76-03/12/77	0	4	
SACN0023	No	00400	PH (STANDARD UNITS)	05/21/76-03/12/77	0	3	
SACN0024	No	00400	PH (STANDARD UNITS)	05/21/76-03/12/77	0	3	
SACN0025	No	00400	PH (STANDARD UNITS)	05/21/76-03/12/77	0	3	
SACN0026	Yes	00400	PH (STANDARD UNITS)	05/21/76-03/30/77	0	11	
SACN0028	No	00400	PH (STANDARD UNITS)	05/21/76-03/12/77	0	3	
SACN0041	Yes	00400	PH (STANDARD UNITS)	10/20/75-08/26/85	9	27	
SACN0049	Yes	00400	PH (STANDARD UNITS)	08/17/81-06/15/82	0	3	
SACN0050	Yes	00400	PH (STANDARD UNITS)	08/17/81-06/15/82	0	3	
SACN0067	No	00400	PH (STANDARD UNITS)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00400	PH (STANDARD UNITS)	06/06/68-08/26/85	17	27	
SACN0076	No	00400	PH (STANDARD UNITS)	03/26/75-10/27/75	0	4	
SACN0080	No	00400	PH (STANDARD UNITS)	05/12/93-03/14/95	1	17	
SACN0085	No	00400	PH (STANDARD UNITS)	08/13/81-11/13/86	5	292	
SACN0101	Yes	00400	PH (STANDARD UNITS)	04/03/84-06/08/94	10	69	
SACN0103	No	00400	PH (STANDARD UNITS)	08/28/86-08/28/86	0	1	
SACN0104	No	00400	PH (STANDARD UNITS)	07/15/86-03/16/95	8	112	
SACN0111	No	00400	PH (STANDARD UNITS)	04/18/72-12/13/84	12	129	
SACN0115	Yes	00400	PH (STANDARD UNITS)	10/21/75-08/25/83	7	16	
SACN0120	No	00400	PH (STANDARD UNITS)	08/20/84-08/27/86	2	3	
SACN0123	No	00400	PH (STANDARD UNITS)	09/05/85-08/27/86	0	2	
SACN0129	Yes	00400	PH (STANDARD UNITS)	03/22/72-01/25/77	4	58	
SACN0147	No	00400	PH (STANDARD UNITS)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00400	PH (STANDARD UNITS)	11/05/66-08/27/85	18	30	
SACN0172	Yes	00400	PH (STANDARD UNITS)	10/23/75-08/24/83	7	17	
SACN0176	No	00400	PH (STANDARD UNITS)	06/26/72-11/03/72	0	8	
SACN0179	No	00400	PH (STANDARD UNITS)	06/26/72-11/03/72	0	9	
SACN0181	No	00400	PH (STANDARD UNITS)	08/27/85-08/27/85	0	1	
SACN0183	No	00400	PH (STANDARD UNITS)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00400	PH (STANDARD UNITS)	04/30/57-06/27/77	20	145	T
SACN0190	No	00400	PH (STANDARD UNITS)	08/27/85-08/27/85	0	1	
SACN0198	No	00400	PH (STANDARD UNITS)	08/27/85-08/27/85	0	1	
SACN0200	No	00400	PH (STANDARD UNITS)	08/27/85-08/27/85	0	1	
SACN0201	No	00400	PH (STANDARD UNITS)	08/27/85-08/27/85	0	1	
SACN0204	No	00400	PH (STANDARD UNITS)	08/27/85-08/27/85	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0205	No	00400	PH (STANDARD UNITS)	06/06/68-08/24/83	15	17	
SACN0206	No	00400	PH (STANDARD UNITS)	08/28/85-08/28/85	0	1	
SACN0209	No	00400	PH (STANDARD UNITS)	02/08/82-10/22/86	4	15	
SACN0211	No	00400	PH (STANDARD UNITS)	08/28/85-08/28/85	0	1	
SACN0221	No	00400	PH (STANDARD UNITS)	06/22/93-10/28/93	0	5	
SACN0222	No	00400	PH (STANDARD UNITS)	06/22/93-10/28/93	0	5	
SACN0224	No	00400	PH (STANDARD UNITS)	11/13/90-01/10/91	0	3	
SACN0226	No	00400	PH (STANDARD UNITS)	06/07/68-06/07/68	0	1	
SACN0228	No	00400	PH (STANDARD UNITS)	06/19/86-10/11/94	8	104	
SACN0229	No	00400	PH (STANDARD UNITS)	08/27/85-08/27/85	0	1	
SACN0232	No	00400	PH (STANDARD UNITS)	11/13/90-12/16/92	2	26	
SACN0236	No	00400	PH (STANDARD UNITS)	07/05/90-12/07/93	3	46	
SACN0240	No	00400	PH (STANDARD UNITS)	08/28/85-08/28/85	0	1	
SACN0244	No	00400	PH (STANDARD UNITS)	02/23/93-10/05/93	0	9	
SACN0246	No	00400	PH (STANDARD UNITS)	11/06/66-06/20/94	27	74	S
SACN0248	No	00400	PH (STANDARD UNITS)	04/10/86-04/17/95	9	108	
SACN0249	No	00400	PH (STANDARD UNITS)	06/24/93-09/02/93	0	5	
SACN0251	Yes	00400	PH (STANDARD UNITS)	01/21/53-06/09/77	24	100	
SACN0254	No	00400	PH (STANDARD UNITS)	09/04/84-11/03/87	3	34	
SACN0257	No	00400	PH (STANDARD UNITS)	09/04/84-09/01/87	2	8	
SACN0259	No	00400	PH (STANDARD UNITS)	09/04/84-09/01/87	2	14	
SACN0260	No	00400	PH (STANDARD UNITS)	10/29/92-12/07/93	1	22	
SACN0261	No	00400	PH (STANDARD UNITS)	08/20/81-07/20/83	1	2	
SACN0263	No	00400	PH (STANDARD UNITS)	06/24/93-09/02/93	0	5	
SACN0278	No	00400	PH (STANDARD UNITS)	08/05/84-08/21/84	0	5	
SACN0282	No	00400	PH (STANDARD UNITS)	03/25/82-03/25/82	0	3	
SACN0289	Yes	00400	PH (STANDARD UNITS)	08/20/81-07/21/83	1	2	
SACN0290	No	00400	PH (STANDARD UNITS)	03/08/93-04/17/95	2	15	
SACN0292	No	00400	PH (STANDARD UNITS)	02/23/93-10/05/93	0	21	
SACN0293	Yes	00400	PH (STANDARD UNITS)	08/20/81-07/21/83	1	2	
SACN0296	No	00400	PH (STANDARD UNITS)	03/04/93-10/05/93	0	12	
SACN0298	No	00400	PH (STANDARD UNITS)	06/24/93-09/02/93	0	5	
SACN0299	Yes	00400	PH (STANDARD UNITS)	06/11/57-10/18/65	8	40	
SACN0301	No	00400	PH (STANDARD UNITS)	06/24/93-09/02/93	0	6	
SACN0303	No	00400	PH (STANDARD UNITS)	06/24/93-09/02/93	0	5	
SACN0304	No	00400	PH (STANDARD UNITS)	07/05/90-12/07/93	3	53	
SACN0305	No	00400	PH (STANDARD UNITS)	11/25/66-08/23/83	16	29	
SACN0307	Yes	00400	PH (STANDARD UNITS)	08/20/81-07/21/83	1	2	
SACN0313	No	00400	PH (STANDARD UNITS)	10/22/75-08/27/85	9	17	
SACN0316	No	00400	PH (STANDARD UNITS)	06/07/68-06/07/68	0	1	
SACN0326	Yes	00400	PH (STANDARD UNITS)	06/28/72-11/04/72	0	17	
SACN0327	Yes	00400	PH (STANDARD UNITS)	06/28/72-11/04/72	0	17	
SACN0329	No	00400	PH (STANDARD UNITS)	02/24/65-02/26/65	0	10	
SACN0332	Yes	00400	PH (STANDARD UNITS)	06/25/91-09/12/91	0	6	
SACN0336	Yes	00400	PH (STANDARD UNITS)	06/12/67-06/25/71	4	39	
SACN0338	Yes	00400	PH (STANDARD UNITS)	11/06/73-09/25/74	0	11	
SACN0339	Yes	00400	PH (STANDARD UNITS)	08/21/81-07/20/83	1	2	
SACN0349	Yes	00400	PH (STANDARD UNITS)	09/08/65-09/16/65	0	5	
SACN0350	Yes	00400	PH (STANDARD UNITS)	09/09/65-09/15/65	0	4	
SACN0351	Yes	00400	PH (STANDARD UNITS)	06/28/72-11/04/72	0	11	
SACN0352	Yes	00400	PH (STANDARD UNITS)	06/28/72-11/04/72	0	11	
SACN0354	Yes	00400	PH (STANDARD UNITS)	06/28/67-06/09/77	9	110	
SACN0355	Yes	00400	PH (STANDARD UNITS)	06/28/72-11/04/72	0	8	
SACN0356	Yes	00400	PH (STANDARD UNITS)	06/28/72-11/04/72	0	8	
SACN0366	Yes	00400	PH (STANDARD UNITS)	06/12/67-06/25/71	4	41	
SACN0383	No	00400	PH (STANDARD UNITS)	04/06/67-04/06/67	0	1	
SACN0385	Yes	00400	PH (STANDARD UNITS)	01/21/53-10/18/65	12	67	
SACN0386	Yes	00400	PH (STANDARD UNITS)	09/09/65-09/15/65	0	4	
SACN0388	Yes	00400	PH (STANDARD UNITS)	11/13/74-09/08/81	6	53	
SACN0390	Yes	00400	PH (STANDARD UNITS)	04/11/61-02/27/79	17	210	A
SACN0392	No	00400	PH (STANDARD UNITS)	02/23/72-05/31/78	6	3	
SACN0393	Yes	00400	PH (STANDARD UNITS)	02/22/77-09/08/81	4	44	
SACN0394	Yes	00400	PH (STANDARD UNITS)	01/21/53-10/18/65	12	78	
SACN0398	Yes	00400	PH (STANDARD UNITS)	06/24/64-01/04/66	1	21	
SACN0403	No	00400	PH (STANDARD UNITS)	07/31/86-07/31/86	0	2	
SACN0408	No	00400	PH (STANDARD UNITS)	07/31/86-07/31/86	0	1	
SACN0411	No	00400	PH (STANDARD UNITS)	11/05/80-11/12/81	1	41	
SACN0413	No	00400	PH (STANDARD UNITS)	05/06/80-05/06/80	0	1	
SACN0416	No	00400	PH (STANDARD UNITS)	11/05/80-11/05/80	0	8	
SACN0417	No	00400	PH (STANDARD UNITS)	05/06/80-05/06/80	0	1	
SACN0418	No	00400	PH (STANDARD UNITS)	05/06/80-05/06/80	0	1	
SACN0419	No	00400	PH (STANDARD UNITS)	11/05/80-11/12/81	1	59	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0420	No	00400	PH (STANDARD UNITS)	11/12/81-11/12/81	0	1	
SACN0432	No	00400	PH (STANDARD UNITS)	01/01/36-01/21/77	41	470	S
SACN0436	No	00400	PH (STANDARD UNITS)	06/13/67-06/06/68	0	7	
SACN0441	No	00400	PH (STANDARD UNITS)	05/15/58-03/16/77	18	115	T
SACN0442	No	00400	PH (STANDARD UNITS)	01/27/65-09/25/65	0	11	
SACN0443	No	00400	PH (STANDARD UNITS)	02/24/77-09/03/81	4	42	
SACN0444	No	00400	PH (STANDARD UNITS)	01/19/77-11/01/88	11	150	A
SACN0448	No	00400	PH (STANDARD UNITS)	09/01/82-09/01/82	0	1	
SACN0450	No	00400	PH (STANDARD UNITS)	06/28/72-11/04/72	0	8	
SACN0451	No	00400	PH (STANDARD UNITS)	09/05/67-09/05/67	0	1	
SACN0452	No	00400	PH (STANDARD UNITS)	06/07/74-06/18/76	2	25	
SACN0455	No	00400	PH (STANDARD UNITS)	06/13/67-06/14/76	9	95	
SACN0457	No	00400	PH (STANDARD UNITS)	09/01/82-09/01/82	0	1	
SACN0459	No	00400	PH (STANDARD UNITS)	09/01/82-09/01/82	0	1	
SACN0463	No	00400	PH (STANDARD UNITS)	06/24/77-06/24/77	0	1	
SACN0465	No	00400	PH (STANDARD UNITS)	09/01/82-09/01/82	0	1	
SACN0466	No	00400	PH (STANDARD UNITS)	09/01/82-09/01/82	0	1	
SACN0468	No	00400	PH (STANDARD UNITS)	06/24/77-06/24/77	0	1	
SACN0001	No	00403	PH, LAB, STANDARD UNITS SU	07/09/79-07/09/79	0	2	
SACN0004	No	00403	PH, LAB, STANDARD UNITS SU	08/11/82-07/09/84	1	3	
SACN0006	No	00403	PH, LAB, STANDARD UNITS SU	05/15/74-05/15/74	0	1	
SACN0007	No	00403	PH, LAB, STANDARD UNITS SU	06/26/92-09/19/94	2	13	
SACN0008	No	00403	PH, LAB, STANDARD UNITS SU	11/01/84-11/01/84	0	1	
SACN0009	No	00403	PH, LAB, STANDARD UNITS SU	08/19/93-08/19/93	0	1	
SACN0010	No	00403	PH, LAB, STANDARD UNITS SU	08/20/93-08/20/93	0	1	
SACN0011	No	00403	PH, LAB, STANDARD UNITS SU	08/08/91-08/08/91	0	2	
SACN0012	No	00403	PH, LAB, STANDARD UNITS SU	07/09/79-07/09/79	0	2	
SACN0013	No	00403	PH, LAB, STANDARD UNITS SU	07/11/73-08/08/91	18	16	
SACN0014	No	00403	PH, LAB, STANDARD UNITS SU	07/09/79-07/09/79	0	2	
SACN0017	No	00403	PH, LAB, STANDARD UNITS SU	06/26/92-09/19/94	2	13	
SACN0019	No	00403	PH, LAB, STANDARD UNITS SU	11/01/84-11/01/84	0	1	
SACN0021	No	00403	PH, LAB, STANDARD UNITS SU	08/08/91-08/08/91	0	1	
SACN0022	No	00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	0	4	
SACN0023	No	00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	0	3	
SACN0024	No	00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	0	3	
SACN0025	No	00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	0	3	
SACN0026	Yes	00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	0	5	
SACN0028	No	00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	0	3	
SACN0029	No	00403	PH, LAB, STANDARD UNITS SU	07/09/79-07/09/79	0	1	
SACN0030	No	00403	PH, LAB, STANDARD UNITS SU	07/06/79-07/06/79	0	2	
SACN0039	No	00403	PH, LAB, STANDARD UNITS SU	07/20/79-07/21/79	0	2	
SACN0041	Yes	00403	PH, LAB, STANDARD UNITS SU	02/24/81-08/26/85	4	8	
SACN0044	No	00403	PH, LAB, STANDARD UNITS SU	07/20/79-07/20/79	0	1	
SACN0045	No	00403	PH, LAB, STANDARD UNITS SU	07/16/79-07/16/79	0	2	
SACN0054	No	00403	PH, LAB, STANDARD UNITS SU	07/24/79-07/24/79	0	2	
SACN0055	No	00403	PH, LAB, STANDARD UNITS SU	07/15/79-07/15/79	0	1	
SACN0056	No	00403	PH, LAB, STANDARD UNITS SU	11/03/87-11/03/87	0	2	
SACN0059	No	00403	PH, LAB, STANDARD UNITS SU	11/04/84-11/04/84	0	1	
SACN0061	No	00403	PH, LAB, STANDARD UNITS SU	07/26/79-07/26/79	0	1	
SACN0064	No	00403	PH, LAB, STANDARD UNITS SU	11/04/84-11/04/84	0	1	
SACN0068	Yes	00403	PH, LAB, STANDARD UNITS SU	10/14/80-08/26/85	4	9	
SACN0070	No	00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	0	1	
SACN0071	No	00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	0	2	
SACN0072	No	00403	PH, LAB, STANDARD UNITS SU	07/26/79-07/26/79	0	2	
SACN0074	No	00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	0	1	
SACN0077	No	00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	0	1	
SACN0078	No	00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	0	2	
SACN0079	No	00403	PH, LAB, STANDARD UNITS SU	07/26/79-07/26/79	0	2	
SACN0080	No	00403	PH, LAB, STANDARD UNITS SU	05/12/93-04/20/94	0	3	
SACN0085	No	00403	PH, LAB, STANDARD UNITS SU	08/13/81-10/25/83	2	136	
SACN0087	No	00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	0	1	
SACN0094	No	00403	PH, LAB, STANDARD UNITS SU	07/18/79-07/18/79	0	1	
SACN0095	No	00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	0	1	
SACN0098	No	00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	0	1	
SACN0101	Yes	00403	PH, LAB, STANDARD UNITS SU	03/23/89-06/08/94	5	6	
SACN0103	No	00403	PH, LAB, STANDARD UNITS SU	08/28/86-08/28/86	0	1	
SACN0104	No	00403	PH, LAB, STANDARD UNITS SU	10/28/86-04/28/94	7	20	
SACN0106	No	00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	0	1	
SACN0107	No	00403	PH, LAB, STANDARD UNITS SU	08/12/79-08/12/79	0	2	
SACN0111	No	00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	10	50	
SACN0112	No	00403	PH, LAB, STANDARD UNITS SU	11/03/84-11/03/84	0	1	
SACN0113	No	00403	PH, LAB, STANDARD UNITS SU	08/12/79-08/12/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0115	Yes	00403	PH, LAB, STANDARD UNITS SU	04/15/82-08/25/83	1	2	
SACN0118	No	00403	PH, LAB, STANDARD UNITS SU	11/03/84-11/03/84	0	1	
SACN0120	No	00403	PH, LAB, STANDARD UNITS SU	08/20/84-08/27/86	2	2	
SACN0123	No	00403	PH, LAB, STANDARD UNITS SU	08/20/84-08/27/86	2	2	
SACN0125	No	00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	0	2	
SACN0126	No	00403	PH, LAB, STANDARD UNITS SU	08/12/79-08/12/79	0	1	
SACN0129	Yes	00403	PH, LAB, STANDARD UNITS SU	01/03/73-01/25/77	4	49	
SACN0135	No	00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	0	1	
SACN0137	No	00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	0	1	
SACN0138	No	00403	PH, LAB, STANDARD UNITS SU	08/12/79-08/12/79	0	2	
SACN0139	No	00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	0	2	
SACN0141	No	00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	0	2	
SACN0143	No	00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	0	2	
SACN0145	No	00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	0	2	
SACN0146	No	00403	PH, LAB, STANDARD UNITS SU	11/03/84-11/03/84	0	1	
SACN0149	No	00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	0	1	
SACN0151	Yes	00403	PH, LAB, STANDARD UNITS SU	10/15/80-08/27/85	4	9	
SACN0152	No	00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	0	1	
SACN0153	No	00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	0	2	
SACN0154	No	00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	0	1	
SACN0155	No	00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	0	2	
SACN0156	No	00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	0	2	
SACN0157	No	00403	PH, LAB, STANDARD UNITS SU	10/28/84-10/28/84	0	1	
SACN0158	No	00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	0	1	
SACN0162	No	00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	0	1	
SACN0163	No	00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	0	1	
SACN0165	No	00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	0	1	
SACN0168	No	00403	PH, LAB, STANDARD UNITS SU	08/16/79-08/16/79	0	2	
SACN0170	No	00403	PH, LAB, STANDARD UNITS SU	08/16/79-08/16/79	0	2	
SACN0171	No	00403	PH, LAB, STANDARD UNITS SU	10/28/84-10/28/84	0	1	
SACN0172	Yes	00403	PH, LAB, STANDARD UNITS SU	04/17/82-08/24/83	1	3	
SACN0173	No	00403	PH, LAB, STANDARD UNITS SU	08/16/79-08/16/79	0	1	
SACN0187	Yes	00403	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	17	163	A
SACN0205	No	00403	PH, LAB, STANDARD UNITS SU	04/16/82-08/24/83	1	2	
SACN0209	No	00403	PH, LAB, STANDARD UNITS SU	02/08/82-10/25/84	2	16	
SACN0216	No	00403	PH, LAB, STANDARD UNITS SU	08/09/79-08/09/79	0	1	
SACN0218	No	00403	PH, LAB, STANDARD UNITS SU	09/12/73-02/08/75	1	7	
SACN0219	No	00403	PH, LAB, STANDARD UNITS SU	08/09/79-08/09/79	0	2	
SACN0220	No	00403	PH, LAB, STANDARD UNITS SU	09/12/73-02/08/75	1	17	
SACN0221	No	00403	PH, LAB, STANDARD UNITS SU	06/22/93-10/28/93	0	4	
SACN0222	No	00403	PH, LAB, STANDARD UNITS SU	06/22/93-10/28/93	0	3	
SACN0228	No	00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/11/94	7	23	
SACN0231	No	00403	PH, LAB, STANDARD UNITS SU	08/28/79-08/28/79	0	2	
SACN0233	No	00403	PH, LAB, STANDARD UNITS SU	04/27/87-04/27/87	0	1	
SACN0236	No	00403	PH, LAB, STANDARD UNITS SU	07/05/90-12/07/93	3	38	
SACN0238	No	00403	PH, LAB, STANDARD UNITS SU	08/07/79-08/07/79	0	1	
SACN0242	No	00403	PH, LAB, STANDARD UNITS SU	08/09/79-08/09/79	0	1	
SACN0244	No	00403	PH, LAB, STANDARD UNITS SU	05/05/93-10/05/93	0	2	
SACN0246	No	00403	PH, LAB, STANDARD UNITS SU	10/16/80-02/24/86	5	28	
SACN0248	No	00403	PH, LAB, STANDARD UNITS SU	11/18/86-04/17/95	8	27	
SACN0251	Yes	00403	PH, LAB, STANDARD UNITS SU	07/21/77-09/22/77	0	3	
SACN0260	No	00403	PH, LAB, STANDARD UNITS SU	01/14/93-12/07/93	0	11	
SACN0266	No	00403	PH, LAB, STANDARD UNITS SU	10/28/84-10/28/84	0	1	
SACN0267	No	00403	PH, LAB, STANDARD UNITS SU	08/07/79-08/07/79	0	1	
SACN0268	No	00403	PH, LAB, STANDARD UNITS SU	08/07/79-08/07/79	0	1	
SACN0269	No	00403	PH, LAB, STANDARD UNITS SU	08/28/79-08/28/79	0	1	
SACN0282	No	00403	PH, LAB, STANDARD UNITS SU	12/09/85-05/02/86	0	2	
SACN0286	No	00403	PH, LAB, STANDARD UNITS SU	08/07/79-08/07/79	0	1	
SACN0290	No	00403	PH, LAB, STANDARD UNITS SU	05/03/93-04/17/95	1	4	
SACN0292	No	00403	PH, LAB, STANDARD UNITS SU	05/05/93-10/05/93	0	2	
SACN0295	No	00403	PH, LAB, STANDARD UNITS SU	08/28/79-08/28/79	0	2	
SACN0296	No	00403	PH, LAB, STANDARD UNITS SU	05/03/93-10/05/93	0	2	
SACN0304	No	00403	PH, LAB, STANDARD UNITS SU	07/05/90-12/07/93	3	42	
SACN0305	No	00403	PH, LAB, STANDARD UNITS SU	10/16/80-08/23/83	2	8	
SACN0306	No	00403	PH, LAB, STANDARD UNITS SU	09/12/73-10/08/74	1	6	
SACN0313	No	00403	PH, LAB, STANDARD UNITS SU	04/16/82-08/27/85	3	4	
SACN0322	Yes	00403	PH, LAB, STANDARD UNITS SU	08/28/79-08/28/79	0	2	
SACN0332	Yes	00403	PH, LAB, STANDARD UNITS SU	09/12/73-08/29/91	17	19	
SACN0333	Yes	00403	PH, LAB, STANDARD UNITS SU	08/28/79-08/28/79	0	1	
SACN0354	Yes	00403	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	17	162	A
SACN0360	Yes	00403	PH, LAB, STANDARD UNITS SU	11/14/74-11/14/74	0	5	
SACN0373	Yes	00403	PH, LAB, STANDARD UNITS SU	12/03/74-12/03/74	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0379	No	00403	PH, LAB, STANDARD UNITS SU	06/20/91-08/26/92	1	6	
SACN0385	Yes	00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	13	64	
SACN0390	Yes	00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	6	49	
SACN0392	No	00403	PH, LAB, STANDARD UNITS SU	06/13/80-10/16/85	5	212	
SACN0400	No	00403	PH, LAB, STANDARD UNITS SU	07/14/52-08/27/92	40	32	
SACN0411	No	00403	PH, LAB, STANDARD UNITS SU	11/05/80-11/12/81	1	9	
SACN0413	No	00403	PH, LAB, STANDARD UNITS SU	05/06/80-05/06/80	0	1	
SACN0416	No	00403	PH, LAB, STANDARD UNITS SU	11/05/80-11/05/80	0	1	
SACN0417	No	00403	PH, LAB, STANDARD UNITS SU	05/06/80-05/06/80	0	1	
SACN0418	No	00403	PH, LAB, STANDARD UNITS SU	05/06/80-05/06/80	0	1	
SACN0419	No	00403	PH, LAB, STANDARD UNITS SU	11/05/80-11/12/81	1	9	
SACN0420	No	00403	PH, LAB, STANDARD UNITS SU	11/12/81-11/12/81	0	1	
SACN0427	No	00403	PH, LAB, STANDARD UNITS SU	06/21/91-08/26/92	1	6	
SACN0441	No	00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	10	98	
SACN0444	No	00403	PH, LAB, STANDARD UNITS SU	06/22/77-12/06/88	11	6	
SACN0448	No	00403	PH, LAB, STANDARD UNITS SU	09/01/82-09/01/82	0	1	
SACN0452	No	00403	PH, LAB, STANDARD UNITS SU	10/08/90-09/07/94	3	36	
SACN0457	No	00403	PH, LAB, STANDARD UNITS SU	09/01/82-09/01/82	0	1	
SACN0459	No	00403	PH, LAB, STANDARD UNITS SU	09/01/82-09/01/82	0	1	
SACN0465	No	00403	PH, LAB, STANDARD UNITS SU	09/01/82-09/01/82	0	1	
SACN0466	No	00403	PH, LAB, STANDARD UNITS SU	09/01/82-09/01/82	0	1	
SACN0041	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	10/20/75-08/18/81	5	17	
SACN0067	No	00405	CARBON DIOXIDE (MG/L AS CO2)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	10/20/75-08/17/81	5	17	
SACN0115	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	10/21/75-08/18/81	5	9	
SACN0151	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	10/23/75-08/18/81	5	18	
SACN0172	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	10/23/75-08/18/81	5	9	
SACN0205	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/23/75-08/18/81	5	9	
SACN0246	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/74-04/09/81	6	39	
SACN0305	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/22/75-08/21/81	5	16	
SACN0313	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/22/75-08/19/81	5	9	
SACN0338	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	11/06/73-09/25/74	0	11	
SACN0388	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	11/13/74-01/31/79	4	28	
SACN0393	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	02/22/77-09/25/79	2	33	
SACN0432	No	00405	CARBON DIOXIDE (MG/L AS CO2)	12/19/72-01/21/77	4	47	
SACN0443	No	00405	CARBON DIOXIDE (MG/L AS CO2)	02/24/77-08/31/79	2	30	
SACN0191	No	00406	PH, FIELD, STANDARD UNITS SU	09/13/90-09/13/90	0	1	
SACN0193	No	00406	PH, FIELD, STANDARD UNITS SU	08/22/90-09/13/90	0	2	
SACN0196	No	00406	PH, FIELD, STANDARD UNITS SU	09/13/90-09/13/90	0	1	
SACN0008	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/01/84-11/01/84	0	1	
SACN0019	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/01/84-11/01/84	0	1	
SACN0059	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/04/84-11/04/84	0	1	
SACN0064	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/04/84-11/04/84	0	1	
SACN0112	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/03/84-11/03/84	0	1	
SACN0118	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/03/84-11/03/84	0	1	
SACN0146	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/03/84-11/03/84	0	1	
SACN0157	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/28/84-10/28/84	0	1	
SACN0171	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/28/84-10/28/84	0	1	
SACN0266	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/28/84-10/28/84	0	1	
SACN0001	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/79-07/09/79	0	2	
SACN0004	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/78-06/27/85	6	10	
SACN0005	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/77-08/10/77	0	1	
SACN0006	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/15/74-05/15/74	0	1	
SACN0007	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/92-09/19/94	2	12	
SACN0009	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/93-08/19/93	0	1	
SACN0010	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/20/93-08/20/93	0	1	
SACN0011	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/91-08/08/91	0	2	
SACN0012	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/79-07/09/79	0	2	
SACN0013	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/73-08/08/91	18	16	
SACN0014	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/79-07/09/79	0	2	
SACN0016	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/78-08/03/78	0	2	
SACN0017	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/92-09/19/94	2	12	
SACN0021	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/91-08/08/91	0	1	
SACN0022	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-09/28/76	0	3	
SACN0023	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	0	2	
SACN0024	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	0	2	
SACN0025	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	0	2	
SACN0026	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-10/04/76	0	4	
SACN0028	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	0	2	
SACN0029	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/79-07/09/79	0	1	
SACN0030	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/79-07/06/79	0	2	
SACN0039	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/79-07/21/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0041	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/20/75-07/07/80	4	19	
SACN0044	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/79-07/20/79	0	1	
SACN0045	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/16/79-07/16/79	0	2	
SACN0054	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/79-07/24/79	0	2	
SACN0055	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/79-07/15/79	0	1	
SACN0061	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/79-07/26/79	0	1	
SACN0067	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/68-07/07/80	12	20	
SACN0070	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	0	1	
SACN0071	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	0	2	
SACN0072	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/79-07/26/79	0	2	
SACN0074	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	0	1	
SACN0077	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	0	1	
SACN0078	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	0	2	
SACN0079	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/79-07/26/79	0	2	
SACN0080	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/12/93-04/20/94	0	3	
SACN0085	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/13/81-11/13/86	5	281	
SACN0087	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	0	1	
SACN0094	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/79-07/18/79	0	1	
SACN0095	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	0	1	
SACN0098	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	0	1	
SACN0101	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/23/89-06/08/94	5	6	
SACN0104	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/28/86-04/28/94	7	19	
SACN0106	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	0	1	
SACN0107	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/79-08/12/79	0	2	
SACN0111	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/18/72-01/25/77	4	58	
SACN0113	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/79-08/12/79	0	1	
SACN0115	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/21/75-07/08/80	4	10	
SACN0125	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	0	2	
SACN0126	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/79-08/12/79	0	1	
SACN0129	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	4	59	
SACN0135	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	0	1	
SACN0137	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	0	1	
SACN0138	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/79-08/12/79	0	2	
SACN0139	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	0	2	
SACN0141	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	0	2	
SACN0143	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	0	2	
SACN0145	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	0	2	
SACN0147	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/09/70-10/09/70	0	1	
SACN0149	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	0	1	
SACN0151	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/05/68-07/08/80	12	20	
SACN0152	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	0	1	
SACN0153	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	0	2	
SACN0154	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	0	1	
SACN0155	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	0	2	
SACN0156	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	0	2	
SACN0158	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	0	1	
SACN0162	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	0	1	
SACN0163	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	0	1	
SACN0165	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	0	1	
SACN0168	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/79-08/16/79	0	2	
SACN0170	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/79-08/16/79	0	2	
SACN0172	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/23/75-07/09/80	4	11	
SACN0173	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/79-08/16/79	0	1	
SACN0176	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/72-11/03/72	0	8	
SACN0179	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/72-11/03/72	0	9	
SACN0187	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	24	115	T
SACN0193	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/90-09/13/90	0	2	
SACN0205	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/68-07/09/80	12	12	
SACN0209	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/08/82-09/12/83	1	11	
SACN0216	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/09/79-08/09/79	0	1	
SACN0218	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/12/73-02/08/75	1	7	
SACN0219	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/09/79-08/09/79	0	2	
SACN0220	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/12/73-02/08/75	1	17	
SACN0221	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/93-10/28/93	0	4	
SACN0222	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/93-10/28/93	0	3	
SACN0226	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/68-06/07/68	0	1	
SACN0228	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/11/94	7	22	
SACN0231	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/79-08/28/79	0	2	
SACN0233	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/27/87-04/27/87	0	1	
SACN0236	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/05/90-12/07/93	3	38	
SACN0238	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/07/79-08/07/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0242	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/09/79-08/09/79	0	1	
SACN0244	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/05/93-10/05/93	0	2	
SACN0246	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/74-08/12/85	10	50	
SACN0248	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/10/86-04/17/95	9	28	
SACN0251	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	24	76	
SACN0260	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/93-12/07/93	0	11	
SACN0267	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/07/79-08/07/79	0	1	
SACN0268	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/07/79-08/07/79	0	1	
SACN0269	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/79-08/28/79	0	1	
SACN0282	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/25/82-03/25/82	0	3	
SACN0286	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/07/79-08/07/79	0	1	
SACN0290	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/03/93-04/17/95	1	4	
SACN0292	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/05/93-10/05/93	0	2	
SACN0295	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/79-08/28/79	0	2	
SACN0296	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/03/93-10/05/93	0	2	
SACN0304	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/05/90-12/07/93	3	42	
SACN0305	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/68-07/10/80	12	20	
SACN0306	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/12/73-10/08/74	1	6	
SACN0313	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/22/75-07/09/80	4	11	
SACN0316	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/68-06/07/68	0	1	
SACN0322	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/79-08/28/79	0	2	
SACN0326	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	0	17	
SACN0327	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	0	17	
SACN0332	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/12/73-02/09/75	1	16	
SACN0333	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/79-08/28/79	0	1	
SACN0336	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/12/67-06/25/71	4	39	
SACN0338	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/73-09/25/74	0	11	
SACN0351	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	0	11	
SACN0352	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	0	11	
SACN0354	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	14	112	
SACN0355	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	0	8	
SACN0356	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	0	7	
SACN0360	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/14/74-11/14/74	0	5	
SACN0366	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/12/67-06/25/71	4	41	
SACN0373	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/03/74-12/03/74	0	2	
SACN0379	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/91-08/26/92	1	5	
SACN0383	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/06/67-04/06/67	0	1	
SACN0385	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-09/29/81	28	24	
SACN0388	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/13/74-01/31/79	4	29	
SACN0390	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	15	186	A
SACN0392	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/23/72-09/05/85	13	20	
SACN0393	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/22/77-09/25/79	2	33	
SACN0394	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-12/12/57	4	22	
SACN0398	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/21/64-10/28/64	0	3	
SACN0400	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/26-08/27/92	66	17	
SACN0403	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/86-07/31/86	0	2	
SACN0405	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/47-06/29/47	0	1	
SACN0408	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/86-07/31/86	0	1	
SACN0413	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0417	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0418	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0427	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/91-08/26/92	1	5	
SACN0432	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/72-01/21/77	4	47	
SACN0436	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/06/68	0	7	
SACN0441	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	9	66	
SACN0442	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/27/65-02/05/65	0	6	
SACN0443	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/24/77-08/31/79	2	30	
SACN0444	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/05/88-12/06/88	0	3	
SACN0450	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	0	8	
SACN0451	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/05/67-09/05/67	0	1	
SACN0452	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/74-06/18/76	2	25	
SACN0455	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	9	95	
SACN0463	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/77-06/24/77	0	1	
SACN0468	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/77-06/24/77	0	1	
SACN0085	No	00413	ALKALINITY,TOTAL,LOW LEVEL GRAN ANAL MG/L(CAC03)	03/09/82-09/02/86	4	216	
SACN0085	No	00417	ALKALINITY,FIXED ENDPOINT TITRATION, USGS LAB MG/L	08/13/81-01/10/84	2	101	
SACN0187	Yes	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	09/22/69-09/22/69	0	1	
SACN0336	Yes	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	09/24/69-09/24/69	0	1	
SACN0354	Yes	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	09/22/69-09/22/69	0	1	
SACN0366	Yes	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	09/24/69-09/24/69	0	1	
SACN0455	No	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	09/24/69-09/24/69	0	1	
SACN0181	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0183	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0190	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0198	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0200	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0201	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0204	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0206	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0209	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	02/08/82-10/22/86	4	16	
SACN0211	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0229	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0240	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0413	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0417	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0418	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0041	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	10/20/75-03/30/78	2	11	
SACN0067	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	06/06/68-03/30/78	9	12	
SACN0115	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	10/21/75-04/05/78	2	6	
SACN0147	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	11/05/66-04/05/78	11	14	
SACN0172	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	10/23/75-04/06/78	2	6	
SACN0205	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/06/68-04/06/78	9	7	
SACN0226	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/07/68-06/07/68	0	1	
SACN0246	No	00440	BICARBONATE ION (MG/L AS HCO3)	11/06/66-06/08/78	11	29	
SACN0305	No	00440	BICARBONATE ION (MG/L AS HCO3)	11/25/66-03/31/78	11	14	
SACN0313	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/22/75-04/06/78	2	6	
SACN0316	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/07/68-06/07/68	0	1	
SACN0338	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	11/06/73-09/25/74	0	11	
SACN0383	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/06/67-04/06/67	0	1	
SACN0388	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	11/13/74-01/31/79	4	28	
SACN0393	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	02/22/77-08/09/79	2	32	
SACN0432	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/19/72-01/21/77	4	47	
SACN0443	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/24/77-08/31/79	2	30	
SACN0451	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/05/67-09/05/67	0	1	
SACN0041	Yes	00445	CARBONATE ION (MG/L AS CO3)	10/20/75-03/30/78	2	9	
SACN0067	No	00445	CARBONATE ION (MG/L AS CO3)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00445	CARBONATE ION (MG/L AS CO3)	06/06/68-03/30/78	9	10	
SACN0115	Yes	00445	CARBONATE ION (MG/L AS CO3)	10/21/75-04/05/78	2	5	
SACN0147	No	00445	CARBONATE ION (MG/L AS CO3)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00445	CARBONATE ION (MG/L AS CO3)	11/05/66-04/05/78	11	13	
SACN0172	Yes	00445	CARBONATE ION (MG/L AS CO3)	10/23/75-04/06/78	2	5	
SACN0205	No	00445	CARBONATE ION (MG/L AS CO3)	06/06/68-04/06/78	9	6	
SACN0226	No	00445	CARBONATE ION (MG/L AS CO3)	06/07/68-06/07/68	0	1	
SACN0246	No	00445	CARBONATE ION (MG/L AS CO3)	11/06/66-03/31/78	11	24	
SACN0305	No	00445	CARBONATE ION (MG/L AS CO3)	11/25/66-03/31/78	11	12	
SACN0313	No	00445	CARBONATE ION (MG/L AS CO3)	10/22/75-04/06/78	2	5	
SACN0316	No	00445	CARBONATE ION (MG/L AS CO3)	06/07/68-06/07/68	0	1	
SACN0338	Yes	00445	CARBONATE ION (MG/L AS CO3)	11/06/73-04/03/74	0	6	
SACN0383	No	00445	CARBONATE ION (MG/L AS CO3)	04/06/67-04/06/67	0	1	
SACN0388	Yes	00445	CARBONATE ION (MG/L AS CO3)	01/21/75-01/31/79	4	24	
SACN0393	Yes	00445	CARBONATE ION (MG/L AS CO3)	02/22/77-08/09/79	2	32	
SACN0432	No	00445	CARBONATE ION (MG/L AS CO3)	11/28/72-01/21/77	4	37	
SACN0443	No	00445	CARBONATE ION (MG/L AS CO3)	02/24/77-08/31/79	2	30	
SACN0451	No	00445	CARBONATE ION (MG/L AS CO3)	09/05/67-09/05/67	0	1	
SACN0120	No	00496	LOSS ON IGNITION, BOTTOM DEPOSITS (MG/KG)	09/05/85-08/27/86	0	2	
SACN0123	No	00496	LOSS ON IGNITION, BOTTOM DEPOSITS (MG/KG)	09/05/85-08/27/86	0	2	
SACN0022	No	00500	RESIDUE, TOTAL (MG/L)	05/21/76-03/12/77	0	4	
SACN0023	No	00500	RESIDUE, TOTAL (MG/L)	05/21/76-03/12/77	0	3	
SACN0024	No	00500	RESIDUE, TOTAL (MG/L)	05/21/76-03/12/77	0	3	
SACN0025	No	00500	RESIDUE, TOTAL (MG/L)	05/21/76-09/28/77	1	33	
SACN0026	Yes	00500	RESIDUE, TOTAL (MG/L)	05/21/76-09/28/77	1	43	
SACN0028	No	00500	RESIDUE, TOTAL (MG/L)	05/21/76-03/12/77	0	3	
SACN0080	No	00500	RESIDUE, TOTAL (MG/L)	05/12/93-04/20/94	0	3	
SACN0104	No	00500	RESIDUE, TOTAL (MG/L)	10/28/86-04/28/94	7	17	
SACN0111	No	00500	RESIDUE, TOTAL (MG/L)	04/18/72-01/25/77	4	58	
SACN0129	Yes	00500	RESIDUE, TOTAL (MG/L)	03/22/72-01/25/77	4	59	
SACN0187	Yes	00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	20	108	T
SACN0221	No	00500	RESIDUE, TOTAL (MG/L)	10/28/93-10/28/93	0	1	
SACN0222	No	00500	RESIDUE, TOTAL (MG/L)	10/28/93-10/28/93	0	1	
SACN0228	No	00500	RESIDUE, TOTAL (MG/L)	10/26/87-04/18/94	6	16	
SACN0244	No	00500	RESIDUE, TOTAL (MG/L)	05/05/93-10/05/93	0	2	
SACN0248	No	00500	RESIDUE, TOTAL (MG/L)	10/26/87-04/18/94	6	16	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0251	Yes	00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	24	66	
SACN0282	No	00500	RESIDUE, TOTAL (MG/L)	03/25/82-03/25/82	0	3	
SACN0290	No	00500	RESIDUE, TOTAL (MG/L)	05/03/93-11/18/93	0	2	
SACN0292	No	00500	RESIDUE, TOTAL (MG/L)	05/05/93-10/05/93	0	2	
SACN0296	No	00500	RESIDUE, TOTAL (MG/L)	05/03/93-10/05/93	0	2	
SACN0299	Yes	00500	RESIDUE, TOTAL (MG/L)	06/11/57-12/16/59	2	12	
SACN0336	Yes	00500	RESIDUE, TOTAL (MG/L)	06/12/67-06/25/71	4	39	
SACN0354	Yes	00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	10	94	
SACN0360	Yes	00500	RESIDUE, TOTAL (MG/L)	11/14/74-11/14/74	0	5	
SACN0366	Yes	00500	RESIDUE, TOTAL (MG/L)	06/12/67-06/25/71	4	41	
SACN0373	Yes	00500	RESIDUE, TOTAL (MG/L)	12/03/74-12/03/74	0	2	
SACN0385	Yes	00500	RESIDUE, TOTAL (MG/L)	01/21/53-10/29/59	6	23	
SACN0390	Yes	00500	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	15	186	A
SACN0394	Yes	00500	RESIDUE, TOTAL (MG/L)	01/21/53-10/29/59	6	36	
SACN0436	No	00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/06/68	0	7	
SACN0441	No	00500	RESIDUE, TOTAL (MG/L)	05/15/58-03/16/77	18	68	
SACN0442	No	00500	RESIDUE, TOTAL (MG/L)	02/02/65-02/05/65	0	2	
SACN0452	No	00500	RESIDUE, TOTAL (MG/L)	06/07/74-06/18/76	2	25	
SACN0455	No	00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	9	76	
SACN0022	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-03/12/77	0	4	
SACN0023	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-03/12/77	0	3	
SACN0024	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-03/12/77	0	3	
SACN0025	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-09/28/77	1	20	
SACN0026	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-09/28/77	1	24	
SACN0028	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-03/12/77	0	3	
SACN0080	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/12/93-04/20/94	0	3	
SACN0104	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/13/88-04/28/94	6	13	
SACN0111	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/15/75-01/25/77	1	18	
SACN0129	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/15/75-01/25/77	1	18	
SACN0187	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/30/57-07/08/74	17	48	
SACN0221	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/28/93-10/28/93	0	1	
SACN0222	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/28/93-10/28/93	0	1	
SACN0228	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/26/87-10/11/94	6	17	
SACN0244	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/05/93-10/05/93	0	2	
SACN0248	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/26/87-04/17/95	7	19	
SACN0251	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/21/53-07/08/74	21	18	
SACN0290	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/03/93-04/17/95	1	4	
SACN0292	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/05/93-10/05/93	0	2	
SACN0296	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/03/93-10/05/93	0	2	
SACN0336	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/12/67-06/25/71	4	39	
SACN0354	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/28/67-09/05/72	5	44	
SACN0366	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/12/67-06/25/71	4	41	
SACN0385	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/21/53-07/25/56	3	15	
SACN0390	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/15/75-08/19/76	1	5	
SACN0394	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/21/53-12/12/57	4	22	
SACN0436	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/13/67-06/06/68	0	7	
SACN0441	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/28/67-09/05/72	5	9	
SACN0442	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/02/65-02/05/65	0	2	
SACN0455	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/13/67-09/21/72	5	42	
SACN0187	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/74-09/12/74	0	3	
SACN0251	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/74-09/12/74	0	3	
SACN0354	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/15/74-07/15/74	0	1	
SACN0441	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/15/74-07/15/74	0	1	
SACN0452	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/74-09/12/74	0	3	
SACN0455	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/74-09/12/74	0	3	
SACN0004	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/27/78-08/14/78	0	6	
SACN0022	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-03/12/77	0	4	
SACN0023	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-03/12/77	0	3	
SACN0024	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-03/12/77	0	3	
SACN0025	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-09/28/77	1	33	
SACN0026	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-09/28/77	1	44	
SACN0028	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-03/12/77	0	3	
SACN0056	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/03/87-11/03/87	0	2	
SACN0080	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/12/93-04/20/94	0	3	
SACN0101	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	10	73	
SACN0104	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/28/86-04/28/94	7	17	
SACN0111	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	12	133	
SACN0120	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/84-08/20/84	0	1	
SACN0123	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/84-08/20/84	0	1	
SACN0129	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/22/72-01/25/77	4	59	
SACN0187	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	37	294	T,A,S
SACN0193	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/22/90-09/13/90	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0209	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/11/82-09/12/83	0	9	
SACN0221	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/02/93-10/28/93	0	2	
SACN0222	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/28/93-10/28/93	0	1	
SACN0228	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/87-10/11/94	6	17	
SACN0236	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/05/90-12/07/93	3	38	
SACN0241	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	0	19	
SACN0243	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	0	19	
SACN0244	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/05/93-10/05/93	0	2	
SACN0248	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/86-04/17/95	9	23	
SACN0251	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	24	86	
SACN0254	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/84-11/03/87	3	34	
SACN0257	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/84-09/01/87	2	8	
SACN0259	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/84-09/01/87	2	14	
SACN0260	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/14/93-12/07/93	0	11	
SACN0265	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/85-08/11/85	0	15	
SACN0270	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	0	19	
SACN0273	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	0	4	
SACN0281	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	0	19	
SACN0282	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/84-11/17/87	3	40	
SACN0283	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	0	19	
SACN0290	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/03/93-04/17/95	1	4	
SACN0292	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/05/93-10/05/93	0	2	
SACN0296	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/03/93-10/05/93	0	2	
SACN0299	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/60-10/18/65	5	26	
SACN0304	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/05/90-12/07/93	3	42	
SACN0329	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/24/65-02/26/65	0	10	
SACN0336	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/12/67-06/25/71	4	39	
SACN0349	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/08/65-09/16/65	0	9	
SACN0350	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/08/65-09/16/65	0	9	
SACN0354	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	27	272	T,A,S
SACN0360	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/14/74-11/14/74	0	5	
SACN0366	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/12/67-06/25/71	4	41	
SACN0373	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/03/74-12/03/74	0	2	
SACN0385	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	41	105	T,S
SACN0386	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/08/65-09/16/65	0	9	
SACN0390	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	17	210	A
SACN0392	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/78-08/11/80	2	3	
SACN0394	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-10/18/65	12	51	
SACN0398	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/24/65-01/04/66	0	19	
SACN0403	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/31/86-07/31/86	0	2	
SACN0408	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/31/86-07/31/86	0	1	
SACN0436	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/06/68	0	7	
SACN0441	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	34	202	T,A,S
SACN0442	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/27/65-09/30/65	0	22	
SACN0444	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	11	140	A
SACN0448	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/01/82-09/01/82	0	1	
SACN0452	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	20	61	
SACN0455	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	9	95	
SACN0457	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/01/82-09/01/82	0	1	
SACN0459	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/01/82-09/01/82	0	1	
SACN0463	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/24/77-06/24/77	0	1	
SACN0465	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/01/82-09/01/82	0	1	
SACN0466	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/01/82-09/01/82	0	1	
SACN0468	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/24/77-06/24/77	0	1	
SACN0022	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-03/12/77	0	4	
SACN0023	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-03/12/77	0	3	
SACN0024	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-03/12/77	0	3	
SACN0025	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-09/28/77	1	22	
SACN0026	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-09/28/77	1	24	
SACN0028	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-03/12/77	0	3	
SACN0111	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/18/72-01/25/77	4	58	
SACN0129	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/22/72-01/25/77	4	58	
SACN0187	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/30/57-09/21/72	15	65	
SACN0193	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/22/90-09/13/90	0	2	
SACN0228	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/26/87-10/26/87	0	2	
SACN0248	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/26/87-04/14/88	0	4	
SACN0251	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-09/05/72	19	16	
SACN0299	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/22/60-10/18/65	5	25	
SACN0329	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/24/65-02/26/65	0	10	
SACN0336	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/12/67-06/25/71	4	39	
SACN0349	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/08/65-09/16/65	0	9	
SACN0350	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/08/65-09/16/65	0	9	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0354	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/28/67-09/05/72	5	44	
SACN0366	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/12/67-06/25/71	4	41	
SACN0385	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	12	40	
SACN0386	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/08/65-09/16/65	0	9	
SACN0390	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	15	184	A
SACN0392	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/31/78-08/11/80	2	3	
SACN0394	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	12	50	
SACN0398	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/24/65-01/04/66	0	20	
SACN0436	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/13/67-06/06/68	0	7	
SACN0441	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/25/60-09/05/72	12	39	
SACN0442	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/27/65-09/30/65	0	22	
SACN0455	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/13/67-09/21/72	5	42	
SACN0372	No	00549	RESIDUE, VOLATILE NONSETTLEABLE (MG/L)	03/18/82-09/01/82	0	6	
SACN0388	Yes	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	11/13/74-09/15/76	1	3	
SACN0432	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	05/07/73-10/10/73	0	2	
SACN0187	Yes	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/22/69-07/08/74	4	5	
SACN0251	Yes	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/16/71-07/08/74	2	3	
SACN0282	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	12/09/85-12/09/85	0	1	
SACN0336	Yes	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/24/69-09/25/70	1	2	
SACN0354	Yes	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/22/69-07/15/74	4	4	
SACN0360	Yes	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	11/14/74-11/14/74	0	5	
SACN0366	Yes	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/24/69-09/25/70	1	2	
SACN0441	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/16/71-07/15/74	2	3	
SACN0452	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/09/74-07/09/74	0	1	
SACN0455	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/24/69-07/09/74	4	5	
SACN0065	No	00557	OIL & GREASE,SED,DRY WT,FREON EXTR-GRAV METH,MG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	00557	OIL & GREASE,SED,DRY WT,FREON EXTR-GRAV METH,MG/KG	05/04/94-05/04/94	0	1	
SACN0246	No	00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	04/09/75-06/09/80	5	9	
SACN0365	Yes	00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	06/21/78-06/19/79	0	2	
SACN0246	No	00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	04/09/75-06/09/80	5	9	
SACN0365	Yes	00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	06/21/78-06/19/79	0	2	
SACN0001	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0004	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/27/78-08/14/78	0	3	
SACN0006	No	00600	NITROGEN, TOTAL (MG/L AS N)	05/15/74-05/15/74	0	1	
SACN0012	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0013	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/11/73-10/23/74	1	14	
SACN0014	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0016	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/03/78-08/03/78	0	2	
SACN0029	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/09/79-07/09/79	0	1	
SACN0030	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/06/79-07/06/79	0	2	
SACN0039	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/20/79-07/21/79	0	2	
SACN0041	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/20/75-04/07/82	6	24	
SACN0044	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/20/79-07/20/79	0	1	
SACN0045	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/16/79-07/16/79	0	2	
SACN0049	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0050	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0054	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/24/79-07/24/79	0	2	
SACN0055	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/15/79-07/15/79	0	1	
SACN0061	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/26/79-07/26/79	0	1	
SACN0067	No	00600	NITROGEN, TOTAL (MG/L AS N)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/20/75-04/07/82	6	23	
SACN0070	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0071	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	2	
SACN0072	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/26/79-07/26/79	0	2	
SACN0074	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0077	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0078	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	2	
SACN0079	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/26/79-07/26/79	0	2	
SACN0087	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0094	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/18/79-07/18/79	0	1	
SACN0095	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0098	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0103	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/28/86-08/28/86	0	1	
SACN0106	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0107	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/12/79-08/12/79	0	2	
SACN0113	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/12/79-08/12/79	0	1	
SACN0115	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/21/75-04/15/82	6	13	
SACN0125	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0126	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/12/79-08/12/79	0	1	
SACN0135	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0137	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0138	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/12/79-08/12/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0139	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0141	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0143	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0145	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0149	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0151	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/23/75-04/17/82	6	24	
SACN0152	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0153	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0154	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0155	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0156	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0158	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0162	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0163	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0168	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/16/79-08/16/79	0	2	
SACN0170	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/16/79-08/16/79	0	2	
SACN0172	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/25/82	6	15	
SACN0173	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/16/79-08/16/79	0	1	
SACN0205	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/23/75-04/16/82	6	14	
SACN0216	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/09/79-08/09/79	0	1	
SACN0218	No	00600	NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	1	7	
SACN0219	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/09/79-08/09/79	0	2	
SACN0220	No	00600	NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	1	17	
SACN0231	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0238	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0242	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/09/79-08/09/79	0	1	
SACN0246	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/02/74-04/09/81	6	48	
SACN0261	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/20/81-08/20/81	0	1	
SACN0267	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0268	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0269	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/28/79-08/28/79	0	1	
SACN0286	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0289	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	08/20/81-08/17/82	0	2	
SACN0293	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	08/20/81-08/20/81	0	1	
SACN0295	No	00600	NITROGEN, TOTAL (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0305	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	6	25	
SACN0306	No	00600	NITROGEN, TOTAL (MG/L AS N)	09/12/73-10/08/74	1	6	
SACN0307	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	08/20/81-08/17/82	0	2	
SACN0313	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/22/75-04/16/82	6	14	
SACN0322	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0332	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/09/75	1	16	
SACN0333	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	08/28/79-08/28/79	0	1	
SACN0338	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	11/06/73-09/25/74	0	11	
SACN0339	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	08/21/81-08/21/81	0	1	
SACN0349	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	07/23/64-07/23/64	0	1	
SACN0386	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	07/08/64-07/23/64	0	2	
SACN0388	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	11/13/74-12/08/76	2	27	
SACN0392	No	00600	NITROGEN, TOTAL (MG/L AS N)	02/23/72-02/23/72	0	2	
SACN0398	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/24/64-07/23/64	0	4	
SACN0432	No	00600	NITROGEN, TOTAL (MG/L AS N)	11/28/73-12/21/76	3	39	
SACN0246	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	09/13/79-04/09/81	1	13	
SACN0001	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0006	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/15/74-05/15/74	0	1	
SACN0012	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0013	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/11/73-10/23/74	1	14	
SACN0014	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0022	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-03/12/77	0	4	
SACN0023	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-03/12/77	0	3	
SACN0024	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-03/12/77	0	3	
SACN0025	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-09/28/77	1	23	
SACN0026	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-09/28/77	1	26	
SACN0028	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-03/12/77	0	3	
SACN0029	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/79-07/09/79	0	1	
SACN0030	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/06/79-07/06/79	0	2	
SACN0039	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/20/79-07/21/79	0	2	
SACN0041	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	6	25	
SACN0044	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/20/79-07/20/79	0	1	
SACN0045	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/16/79-07/16/79	0	2	
SACN0049	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0050	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0054	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/24/79-07/24/79	0	2	
SACN0055	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/15/79-07/15/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0061	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/26/79-07/26/79	0	1	
SACN0067	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	6	24	
SACN0070	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0071	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	2	
SACN0072	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/26/79-07/26/79	0	2	
SACN0074	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0077	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0078	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	2	
SACN0079	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/26/79-07/26/79	0	2	
SACN0087	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0094	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/18/79-07/18/79	0	1	
SACN0095	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0098	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0103	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/86-08/28/86	0	1	
SACN0106	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0107	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/12/79-08/12/79	0	2	
SACN0111	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	8	66	
SACN0113	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/12/79-08/12/79	0	1	
SACN0115	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/21/75-08/24/82	6	14	
SACN0120	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/27/86-08/27/86	0	1	
SACN0123	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/27/86-08/27/86	0	1	
SACN0125	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0126	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/12/79-08/12/79	0	1	
SACN0129	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-01/25/77	4	20	
SACN0135	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0137	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0138	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/12/79-08/12/79	0	2	
SACN0139	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0141	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0143	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0145	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0149	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0151	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/23/75-08/24/82	6	25	
SACN0152	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0153	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0154	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0155	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0156	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0158	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0162	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0163	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0165	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0168	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/16/79-08/16/79	0	2	
SACN0170	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/16/79-08/16/79	0	2	
SACN0172	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/23/75-08/25/82	6	15	
SACN0173	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/16/79-08/16/79	0	1	
SACN0187	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	27	252	T,A,S
SACN0205	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/23/75-04/16/82	6	14	
SACN0209	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/11/82-09/12/83	0	9	
SACN0216	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/09/79-08/09/79	0	1	
SACN0218	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/12/73-02/08/75	1	7	
SACN0219	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/09/79-08/09/79	0	2	
SACN0220	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/12/73-02/08/75	1	17	
SACN0231	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0238	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0242	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/09/79-08/09/79	0	1	
SACN0246	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/02/78-04/04/86	8	29	
SACN0251	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	6	51	
SACN0261	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/20/81-08/17/82	0	2	
SACN0267	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0268	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0269	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/79-08/28/79	0	1	
SACN0286	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0289	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/20/81-08/17/82	0	2	
SACN0293	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/20/81-08/20/81	0	1	
SACN0295	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0305	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/22/75-08/26/82	6	25	
SACN0306	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/12/73-10/08/74	1	6	
SACN0307	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/20/81-08/20/81	0	1	
SACN0313	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/22/75-04/16/82	6	14	
SACN0322	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/79-08/28/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0329	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/24/65-02/26/65	0	10	
SACN0332	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/12/73-02/09/75	1	16	
SACN0333	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/79-08/28/79	0	1	
SACN0336	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-06/25/71	4	39	
SACN0338	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/06/73-09/25/74	0	11	
SACN0339	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/21/81-08/21/81	0	1	
SACN0349	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/23/64-09/15/65	1	16	
SACN0350	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/09/65-09/15/65	0	10	
SACN0354	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	27	252	T,A,S
SACN0366	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-06/25/71	4	40	
SACN0385	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	13	64	
SACN0386	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/08/64-09/15/65	1	24	
SACN0388	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/13/74-12/08/76	2	26	
SACN0390	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/11/61-03/02/77	15	59	
SACN0392	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/31/78-07/29/80	2	2	
SACN0398	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/64-01/04/66	1	44	
SACN0400	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/10/80-09/08/80	0	3	
SACN0432	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/01/67-12/21/76	9	55	
SACN0436	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/06/68	0	7	
SACN0441	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	27	155	T,A,S
SACN0442	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/02/65-09/25/65	0	10	
SACN0444	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/19/77-02/04/81	4	48	
SACN0448	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0452	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	20	60	
SACN0455	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	9	76	
SACN0457	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0459	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0463	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/77-06/24/77	0	1	
SACN0465	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0466	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0468	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/77-06/24/77	0	1	
SACN0085	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	11/09/82-11/09/82	0	2	
SACN0246	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/10/79-04/09/81	1	12	
SACN0001	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0006	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/15/74-05/15/74	0	1	
SACN0011	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/08/91-08/08/91	0	2	
SACN0012	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0013	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/11/73-08/08/91	18	16	
SACN0014	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0021	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/08/91-08/08/91	0	1	
SACN0022	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-03/12/77	0	4	
SACN0023	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-03/12/77	0	3	
SACN0024	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-03/12/77	0	3	
SACN0025	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-09/28/77	1	22	
SACN0026	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-09/28/77	1	26	
SACN0028	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-03/12/77	0	3	
SACN0029	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	1	
SACN0030	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/79-07/06/79	0	2	
SACN0039	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/20/79-07/21/79	0	2	
SACN0044	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/20/79-07/20/79	0	1	
SACN0045	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/16/79-07/16/79	0	2	
SACN0054	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/24/79-07/24/79	0	2	
SACN0055	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/15/79-07/15/79	0	1	
SACN0061	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	0	1	
SACN0070	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0071	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	2	
SACN0072	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	0	2	
SACN0074	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0077	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0078	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	2	
SACN0079	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	0	2	
SACN0080	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/12/93-04/20/94	0	3	
SACN0085	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	5	294	
SACN0087	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0094	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/18/79-07/18/79	0	1	
SACN0095	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0098	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0101	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	10	75	
SACN0103	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/86-08/28/86	0	1	
SACN0104	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/28/86-04/28/94	7	19	
SACN0106	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0107	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0111	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	12	95	
SACN0113	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	1	
SACN0120	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0123	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0125	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0126	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	1	
SACN0129	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-01/25/77	4	20	
SACN0135	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0137	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0138	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	2	
SACN0139	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0141	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0143	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0145	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0149	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0152	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0153	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0154	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0155	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0156	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0158	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0162	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0163	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0165	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0168	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	0	2	
SACN0170	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	0	2	
SACN0173	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	0	1	
SACN0216	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	0	1	
SACN0218	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/12/73-02/08/75	1	7	
SACN0219	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	0	2	
SACN0220	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/12/73-06/22/94	20	67	
SACN0221	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/22/93-10/28/93	0	5	
SACN0222	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/22/93-10/28/93	0	5	
SACN0224	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/13/90-01/10/91	0	3	
SACN0228	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	7	84	
SACN0231	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0232	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/13/90-12/16/92	2	24	
SACN0236	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/05/90-12/07/93	3	45	
SACN0238	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0242	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	0	1	
SACN0244	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/23/93-10/05/93	0	11	
SACN0246	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-06/20/94	14	37	
SACN0248	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	9	96	
SACN0249	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/93-09/02/93	0	5	
SACN0254	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/06/85-08/06/85	0	1	
SACN0260	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/29/92-12/07/93	1	22	
SACN0263	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/93-09/02/93	0	5	
SACN0267	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0268	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0269	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	1	
SACN0278	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/05/84-08/21/84	0	4	
SACN0282	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/25/82-05/02/86	4	5	
SACN0286	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0290	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/08/93-04/17/95	2	16	
SACN0292	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/23/93-10/05/93	0	24	
SACN0295	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0296	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/04/93-10/05/93	0	12	
SACN0298	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/93-09/02/93	0	5	
SACN0301	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/93-09/02/93	0	6	
SACN0303	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/93-09/02/93	0	5	
SACN0304	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/05/90-12/07/93	3	52	
SACN0306	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/12/73-10/08/74	1	6	
SACN0322	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0332	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/12/73-09/12/91	18	21	
SACN0333	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	1	
SACN0338	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/06/73-09/25/74	0	11	
SACN0372	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/18/82-09/01/82	0	6	
SACN0388	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/13/74-12/08/76	2	26	
SACN0390	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/11/61-03/02/77	15	58	
SACN0432	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/19/72-12/21/76	4	40	
SACN0444	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	11	141	A
SACN0004	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/27/78-08/14/78	0	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0005	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/10/77-08/10/77	0	1	
SACN0016	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/03/78-08/03/78	0	2	
SACN0041	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	9	28	
SACN0049	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0050	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0067	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	9	27	
SACN0103	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/86-08/28/86	0	1	
SACN0115	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/21/75-08/25/83	7	16	
SACN0120	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0123	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0151	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/23/75-08/27/85	9	28	
SACN0172	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/23/75-08/24/83	7	17	
SACN0176	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/26/72-11/03/72	0	8	
SACN0179	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/26/72-11/03/72	0	9	
SACN0187	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	33	284	T,A,S
SACN0205	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/23/75-08/24/83	7	17	
SACN0209	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/11/82-09/12/83	0	9	
SACN0246	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/21/77-04/04/86	8	33	
SACN0251	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	6	71	
SACN0261	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/81-07/20/83	1	3	
SACN0289	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0293	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0299	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-10/18/65	4	24	
SACN0305	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/22/75-08/23/83	7	27	
SACN0307	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0313	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/22/75-08/27/85	9	18	
SACN0315	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	10	
SACN0325	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0326	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	0	17	
SACN0327	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	0	17	
SACN0329	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/65-02/26/65	0	10	
SACN0336	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/12/67-06/25/71	4	39	
SACN0338	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/73-09/25/74	0	11	
SACN0339	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/81-07/20/83	1	3	
SACN0347	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0349	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/64-09/16/65	1	21	
SACN0350	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/09/65-09/16/65	0	15	
SACN0351	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	0	11	
SACN0352	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	0	11	
SACN0354	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	27	271	T,A,S
SACN0355	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	0	8	
SACN0356	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	0	7	
SACN0359	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	12	
SACN0366	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/12/67-06/25/71	4	40	
SACN0373	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/03/74-12/03/74	0	2	
SACN0382	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	9	
SACN0385	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	34	89	S
SACN0386	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/64-09/16/65	1	29	
SACN0388	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/13/74-12/08/76	2	25	
SACN0392	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/78-09/05/85	7	18	
SACN0394	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-10/18/65	5	29	
SACN0398	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/64-01/04/66	1	59	
SACN0400	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/10/80-09/11/84	4	6	
SACN0402	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	14	
SACN0407	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/72-09/22/73	0	10	
SACN0428	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/22/73	0	11	
SACN0432	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/01/67-12/21/76	9	56	
SACN0436	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/06/68	0	7	
SACN0441	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	34	202	T,A,S
SACN0442	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/02/65-09/30/65	0	19	
SACN0447	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/72-09/22/73	0	10	
SACN0448	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0450	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	0	8	
SACN0452	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	20	61	
SACN0455	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	9	95	
SACN0457	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0459	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0463	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/77-06/24/77	0	1	
SACN0465	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0466	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0468	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/77-06/24/77	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0065	No	00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	05/04/94-05/04/94	0	1	
SACN0083	Yes	00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	05/04/94-05/04/94	0	1	
SACN0120	No	00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	08/20/84-08/27/86	2	3	
SACN0123	No	00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	08/20/84-08/27/86	2	3	
SACN0444	No	00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	10/20/93-06/28/94	0	2	
SACN0001	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0012	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0014	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0029	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	1	
SACN0030	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/79-07/06/79	0	2	
SACN0039	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/20/79-07/21/79	0	2	
SACN0044	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/20/79-07/20/79	0	1	
SACN0045	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/16/79-07/16/79	0	2	
SACN0054	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/24/79-07/24/79	0	2	
SACN0055	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/15/79-07/15/79	0	1	
SACN0061	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	0	1	
SACN0070	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0071	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	2	
SACN0072	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	0	2	
SACN0074	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0077	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0078	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	2	
SACN0079	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	0	2	
SACN0085	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/09/82-11/09/82	0	2	
SACN0087	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0094	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/18/79-07/18/79	0	1	
SACN0095	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0098	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0106	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0107	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	2	
SACN0111	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	03/19/73-07/11/74	1	6	
SACN0113	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	1	
SACN0125	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0126	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	1	
SACN0129	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	01/16/74-07/11/74	0	3	
SACN0135	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0137	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0138	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	2	
SACN0139	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0141	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0143	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0145	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0149	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0152	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0153	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0154	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0155	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0156	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0158	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0162	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0163	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0165	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0168	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	0	2	
SACN0170	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	0	2	
SACN0173	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	0	1	
SACN0216	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	0	1	
SACN0219	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	0	2	
SACN0231	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0238	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0242	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	0	1	
SACN0246	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/07/85-06/20/94	8	6	
SACN0267	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0268	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0269	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	1	
SACN0286	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0295	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0322	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0333	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	1	
SACN0338	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/06/73-09/25/74	0	11	
SACN0388	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/13/74-12/08/76	2	26	
SACN0390	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/10/76-02/10/76	0	1	
SACN0432	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/19/72-12/21/76	4	45	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0005	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/10/77-08/10/77	0	1	
SACN0006	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/15/74-05/15/74	0	1	
SACN0013	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/73-10/23/74	1	14	
SACN0016	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/03/78-08/03/78	0	2	
SACN0041	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	9	28	
SACN0049	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0050	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0067	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	9	27	
SACN0103	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/28/86-08/28/86	0	1	
SACN0115	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/21/75-08/25/83	7	17	
SACN0120	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0123	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0151	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/27/85	9	28	
SACN0172	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/24/83	7	17	
SACN0187	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	8	79	
SACN0205	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/24/83	7	17	
SACN0218	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	1	7	
SACN0220	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	1	17	
SACN0251	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/16/71-07/29/76	4	39	
SACN0261	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/81-07/20/83	1	3	
SACN0289	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0293	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0305	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/23/83	7	27	
SACN0306	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/73-10/08/74	1	6	
SACN0307	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0313	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/27/85	9	18	
SACN0315	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	10	
SACN0325	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0332	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/09/75	1	16	
SACN0336	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/12/67-06/25/71	4	39	
SACN0339	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/21/81-07/20/83	1	3	
SACN0347	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0349	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/23/64-07/23/64	0	1	
SACN0354	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	9	80	
SACN0359	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0366	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/12/67-06/25/71	4	40	
SACN0382	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	9	
SACN0392	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/27/82-08/26/82	0	4	
SACN0398	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/24/64-07/23/64	0	4	
SACN0402	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	14	
SACN0407	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/72-09/22/73	0	10	
SACN0428	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/22/73	0	11	
SACN0436	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/06/68	0	7	
SACN0441	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/23/76	9	47	
SACN0447	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/05/72-09/22/73	0	10	
SACN0452	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/18/76	2	25	
SACN0455	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	9	78	
SACN0001	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0012	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0014	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	2	
SACN0029	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	0	1	
SACN0030	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/79-07/06/79	0	2	
SACN0039	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/20/79-07/21/79	0	2	
SACN0044	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/20/79-07/20/79	0	1	
SACN0045	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/16/79-07/16/79	0	2	
SACN0054	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/24/79-07/24/79	0	2	
SACN0055	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/15/79-07/15/79	0	1	
SACN0061	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	0	1	
SACN0070	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0071	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	2	
SACN0072	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	0	2	
SACN0074	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0077	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0078	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	2	
SACN0079	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	0	2	
SACN0085	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	5	260	
SACN0087	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0094	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/18/79-07/18/79	0	1	
SACN0095	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0098	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	
SACN0106	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0107	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	2	
SACN0111	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/18/72-07/11/74	2	10	
SACN0113	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	1	
SACN0125	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0126	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	1	
SACN0129	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/18/72-07/11/74	2	10	
SACN0135	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0137	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0138	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	0	1	
SACN0139	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0141	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0143	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0145	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0149	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0152	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0153	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	2	
SACN0154	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0155	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0156	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	2	
SACN0158	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0162	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	0	1	
SACN0163	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0165	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	0	1	
SACN0168	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	0	2	
SACN0170	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	0	2	
SACN0173	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	0	1	
SACN0216	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	0	1	
SACN0219	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	0	2	
SACN0231	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0238	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0242	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	0	1	
SACN0246	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/07/86-04/04/86	0	2	
SACN0267	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0268	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0269	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	1	
SACN0286	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	0	1	
SACN0295	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0322	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	2	
SACN0333	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	0	1	
SACN0338	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/06/73-09/25/74	0	11	
SACN0388	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/13/74-12/08/76	2	27	
SACN0390	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/11/61-02/10/76	14	47	
SACN0432	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12/19/72-12/21/76	4	45	
SACN0006	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/74-05/15/74	0	1	
SACN0013	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/73-10/23/74	1	14	
SACN0041	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/20/75-10/14/80	4	20	
SACN0067	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/20/75-04/07/82	6	20	
SACN0115	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/21/75-07/08/80	4	10	
SACN0151	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/23/75-10/15/80	4	20	
SACN0172	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/25/82	6	13	
SACN0187	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	18	106	T
SACN0205	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/23/75-07/09/80	4	11	
SACN0218	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	1	7	
SACN0220	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	1	17	
SACN0251	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/29/76	5	57	
SACN0289	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/81-08/17/82	0	2	
SACN0299	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/23/58-12/16/59	1	7	
SACN0305	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	6	23	
SACN0306	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/73-10/08/74	1	6	
SACN0313	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/19/81	5	12	
SACN0315	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	10	
SACN0325	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0329	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/24/65-02/26/65	0	10	
SACN0332	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/09/75	1	16	
SACN0336	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/12/67-06/25/71	4	39	
SACN0347	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0349	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/64-09/15/65	1	15	
SACN0350	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/09/65-09/15/65	0	10	
SACN0354	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	9	98	
SACN0359	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0366	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/12/67-06/25/71	4	40	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0382	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	9	
SACN0385	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/23/58-10/29/59	1	6	
SACN0386	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/64-09/15/65	1	24	
SACN0392	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/23/72-08/26/82	10	5	
SACN0394	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/27/58-10/29/59	1	10	
SACN0398	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/64-01/04/66	1	41	
SACN0402	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	0	14	
SACN0407	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/72-09/22/73	0	10	
SACN0428	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/22/73	0	11	
SACN0436	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/06/68	0	7	
SACN0441	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	18	73	
SACN0442	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/02/65-09/26/65	0	10	
SACN0447	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/05/72-09/22/73	0	10	
SACN0452	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/18/76	2	25	
SACN0455	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	9	95	
SACN0085	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	11/09/82-11/09/82	0	2	
SACN0220	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/11/92-07/21/92	0	20	
SACN0246	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/77-04/09/81	3	29	
SACN0246	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	02/02/78-04/09/81	3	26	
SACN0004	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/27/78-08/14/78	0	3	
SACN0011	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/91-08/08/91	0	2	
SACN0013	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/91-08/08/91	0	1	
SACN0016	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/03/78-08/03/78	0	2	
SACN0021	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/91-08/08/91	0	1	
SACN0025	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/27/77-07/31/77	0	10	
SACN0026	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/77-07/31/77	0	18	
SACN0041	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	9	28	
SACN0049	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0050	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0067	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	9	27	
SACN0080	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/93-04/20/94	0	3	
SACN0085	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/13/81-11/13/86	5	264	
SACN0101	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	10	72	
SACN0103	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/86-08/28/86	0	1	
SACN0104	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/28/86-04/28/94	7	17	
SACN0111	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/17/81-12/13/84	3	29	
SACN0115	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/21/75-08/25/83	7	17	
SACN0120	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0123	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0151	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/75-08/27/85	9	28	
SACN0172	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/75-08/24/83	7	17	
SACN0181	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0183	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	36	153	T,A,S
SACN0190	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0191	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/22/90-09/13/90	0	2	
SACN0193	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/22/90-09/13/90	0	6	
SACN0196	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/22/90-09/13/90	0	2	
SACN0198	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0200	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0201	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0204	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0205	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/75-08/24/83	7	17	
SACN0206	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/85-08/28/85	0	1	
SACN0209	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/08/82-10/22/86	4	23	
SACN0211	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/85-08/28/85	0	1	
SACN0220	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/92-07/08/94	2	26	
SACN0221	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/93-10/28/93	0	5	
SACN0222	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/93-10/28/93	0	5	
SACN0228	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	7	85	
SACN0229	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0236	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/05/90-12/07/93	3	36	
SACN0240	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/85-08/28/85	0	1	
SACN0244	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/23/93-10/05/93	0	11	
SACN0246	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/74-04/04/86	11	71	
SACN0248	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	9	94	
SACN0260	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/14/93-12/07/93	0	11	
SACN0261	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/81-07/20/83	1	3	
SACN0282	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/25/82-12/09/85	3	4	
SACN0289	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0290	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/08/93-04/17/95	2	16	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0292	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/23/93-10/05/93	0	10	
SACN0293	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0296	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/04/93-10/05/93	0	12	
SACN0299	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-12/16/59	1	8	
SACN0304	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/05/90-12/07/93	3	40	
SACN0305	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/22/75-08/23/83	7	27	
SACN0307	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0313	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/22/75-08/27/85	9	18	
SACN0315	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	0	10	
SACN0325	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0332	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/91-09/12/91	0	5	
SACN0338	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/06/73-09/25/74	0	11	
SACN0339	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/81-07/20/83	1	3	
SACN0347	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0354	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	15	142	A
SACN0359	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	0	12	
SACN0372	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/82-09/01/82	0	6	
SACN0373	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/03/74-12/03/74	0	2	
SACN0379	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/20/91-08/26/92	1	6	
SACN0382	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	0	9	
SACN0385	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	36	71	S
SACN0388	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/13/74-12/08/76	2	27	
SACN0392	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/23/72-10/16/85	13	106	
SACN0394	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/27/58-10/29/59	1	10	
SACN0400	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/10/80-08/27/92	12	30	
SACN0402	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	0	14	
SACN0403	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/31/86-07/31/86	0	3	
SACN0407	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/72-09/22/73	0	10	
SACN0408	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/31/86-07/31/86	0	2	
SACN0413	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/06/80-05/06/80	0	1	
SACN0417	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/06/80-05/06/80	0	1	
SACN0418	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/06/80-05/06/80	0	1	
SACN0427	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/21/91-08/26/92	1	6	
SACN0428	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/22/73	0	11	
SACN0432	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/01/67-12/21/76	9	58	
SACN0441	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	36	107	T,S
SACN0444	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	7	93	
SACN0447	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/05/72-09/22/73	0	10	
SACN0448	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0452	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/08/90-09/07/94	3	36	
SACN0457	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0459	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0465	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0466	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0120	No	00626	NITROGEN,ORG. KJEL.,BOT. DEPOS. (MG/KG-N DRY WGT)	08/20/84-08/27/86	2	3	
SACN0123	No	00626	NITROGEN,ORG. KJEL.,BOT. DEPOS. (MG/KG-N DRY WGT)	08/20/84-08/27/86	2	3	
SACN0065	No	00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	05/04/94-05/04/94	0	1	
SACN0247	No	00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	02/03/88-02/03/88	0	1	
SACN0248	No	00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	02/02/88-02/02/88	0	1	
SACN0275	No	00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	02/03/88-02/03/88	0	2	
SACN0285	No	00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	02/02/88-02/02/88	0	1	
SACN0444	No	00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	10/20/93-06/28/94	0	2	
SACN0004	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/27/78-08/14/78	0	3	
SACN0005	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/10/77-08/10/77	0	1	
SACN0016	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/03/78-08/03/78	0	2	
SACN0041	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	9	28	
SACN0049	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0050	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/81-10/15/81	0	2	
SACN0067	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	9	27	
SACN0103	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/86-08/28/86	0	1	
SACN0115	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/21/75-08/25/83	7	16	
SACN0120	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0123	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0151	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/23/75-08/27/85	9	28	
SACN0172	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/23/75-08/24/83	7	17	
SACN0176	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/26/72-11/03/72	0	8	
SACN0179	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/26/72-11/03/72	0	9	
SACN0181	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0183	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	18	174	T,A

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0190	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0193	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/13/90-09/13/90	0	1	
SACN0198	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0200	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0201	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0204	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0205	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/23/75-08/24/83	7	17	
SACN0206	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/85-08/28/85	0	1	
SACN0209	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/08/82-10/22/86	4	23	
SACN0211	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/85-08/28/85	0	1	
SACN0229	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	0	1	
SACN0240	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/85-08/28/85	0	1	
SACN0246	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/74-04/09/81	6	52	
SACN0251	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/22/77	1	14	
SACN0261	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/81-07/20/83	1	3	
SACN0289	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0293	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0305	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/75-08/23/83	7	27	
SACN0307	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/81-07/21/83	1	3	
SACN0313	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/75-08/27/85	9	18	
SACN0315	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	0	10	
SACN0325	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0326	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	0	17	
SACN0327	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	0	17	
SACN0338	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/06/73-09/25/74	0	11	
SACN0339	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/81-07/20/83	1	3	
SACN0347	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	0	13	
SACN0351	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	0	11	
SACN0352	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	0	11	
SACN0354	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	18	171	T,A
SACN0355	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	0	8	
SACN0356	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	0	7	
SACN0359	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	0	12	
SACN0373	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/03/74-12/03/74	0	2	
SACN0379	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/20/91-08/26/92	1	6	
SACN0382	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	0	9	
SACN0385	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	13	63	
SACN0388	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/13/74-12/08/76	2	27	
SACN0392	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/78-09/05/85	7	18	
SACN0400	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/10/80-08/27/92	12	18	
SACN0402	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	0	14	
SACN0403	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/31/86-07/31/86	0	2	
SACN0407	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/15/72-09/22/73	0	10	
SACN0408	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/31/86-07/31/86	0	1	
SACN0413	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/06/80-05/06/80	0	1	
SACN0417	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/06/80-05/06/80	0	1	
SACN0418	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/06/80-05/06/80	0	1	
SACN0427	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/21/91-08/26/92	1	6	
SACN0428	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/22/73	0	11	
SACN0432	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/28/73-12/21/76	3	39	
SACN0441	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	18	108	T
SACN0444	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/11/77-05/19/77	0	2	
SACN0447	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/05/72-09/22/73	0	10	
SACN0448	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0450	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	0	8	
SACN0452	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/08/90-09/07/94	3	36	
SACN0457	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0459	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0463	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/77-06/24/77	0	1	
SACN0465	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0466	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/82-09/01/82	0	1	
SACN0468	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/77-06/24/77	0	1	
SACN0011	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/08/91-08/08/91	0	2	
SACN0013	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/08/91-08/08/91	0	2	
SACN0021	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/08/91-08/08/91	0	1	
SACN0022	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-03/12/77	0	4	
SACN0023	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-03/12/77	0	3	
SACN0024	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-03/12/77	0	3	
SACN0025	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-09/28/77	1	22	
SACN0026	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-09/28/77	1	26	
SACN0028	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-03/12/77	0	3	
SACN0080	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/12/93-04/20/94	0	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0085	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/82-11/09/82	0	2	
SACN0101	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	10	75	
SACN0103	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/28/86-08/28/86	0	1	
SACN0104	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/28/86-04/28/94	7	17	
SACN0111	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	10	85	
SACN0120	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0123	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/20/84-08/27/86	2	2	
SACN0129	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-01/25/77	2	10	
SACN0220	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/11/92-06/08/94	1	42	
SACN0221	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/22/93-10/28/93	0	5	
SACN0222	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/22/93-10/28/93	0	5	
SACN0228	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	7	81	
SACN0236	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/05/90-12/07/93	3	38	
SACN0244	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/23/93-10/05/93	0	11	
SACN0246	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/13/79-06/20/94	14	40	
SACN0248	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	9	90	
SACN0260	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/14/93-12/07/93	0	11	
SACN0282	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/25/82-05/02/86	4	5	
SACN0290	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/08/93-04/17/95	2	16	
SACN0292	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/23/93-10/05/93	0	10	
SACN0296	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/04/93-10/05/93	0	12	
SACN0304	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/05/90-12/07/93	3	42	
SACN0332	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/91-09/12/91	0	5	
SACN0338	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/06/73-09/25/74	0	11	
SACN0372	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/18/82-09/01/82	0	6	
SACN0388	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/13/74-12/08/76	2	27	
SACN0390	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/31/74-03/02/77	2	11	
SACN0393	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/30/77-08/30/77	0	1	
SACN0411	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/05/80-11/05/80	0	1	
SACN0416	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/05/80-11/05/80	0	1	
SACN0419	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/05/80-11/05/80	0	1	
SACN0432	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/19/72-12/21/76	4	46	
SACN0444	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	11	141	A
SACN0120	No	00633	NITRITE PLUS NITRATE,BOT. DEPOS. (MG/KG-N DRY WT)	08/20/84-08/27/86	2	3	
SACN0123	No	00633	NITRITE PLUS NITRATE,BOT. DEPOS. (MG/KG-N DRY WT)	08/20/84-08/27/86	2	3	
SACN0004	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/27/78-07/09/84	5	6	
SACN0005	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/10/77-08/10/77	0	1	
SACN0007	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/14/92-07/14/92	0	1	
SACN0016	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/03/78-08/03/78	0	2	
SACN0017	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/14/92-07/14/92	0	1	
SACN0041	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/79-04/16/79	0	1	
SACN0068	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/79-04/16/79	0	1	
SACN0115	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/18/79-04/18/79	0	1	
SACN0151	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/18/79-04/18/79	0	1	
SACN0172	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/18/79-04/18/79	0	1	
SACN0205	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/19/79-04/19/79	0	1	
SACN0246	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/20/79-07/03/79	0	3	
SACN0313	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/19/79-04/19/79	0	1	
SACN0349	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/23/64-09/15/65	1	11	
SACN0350	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/09/65-09/15/65	0	10	
SACN0386	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/09/65-09/15/65	0	10	
SACN0398	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/06/64-01/04/66	1	18	
SACN0442	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/02/65-09/26/65	0	11	
SACN0004	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/27/78-08/14/78	0	3	
SACN0016	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/03/78-08/03/78	0	2	
SACN0212	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/07/67-09/07/67	0	1	
SACN0246	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/07/81-06/01/82	0	4	
SACN0271	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/07/67-09/07/67	0	1	
SACN0349	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/28/64-09/15/65	1	13	
SACN0350	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/09/65-09/15/65	0	10	
SACN0383	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/06/67-04/06/67	0	1	
SACN0386	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/08/64-09/15/65	1	20	
SACN0398	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/24/64-09/27/65	1	22	
SACN0442	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/05/65-09/26/65	0	10	
SACN0451	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/05/67-09/05/67	0	1	
SACN0454	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/06/67-09/06/67	0	1	
SACN0460	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/05/67-09/05/67	0	1	
SACN0008	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/01/84-11/01/84	0	1	
SACN0019	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/01/84-11/01/84	0	1	
SACN0059	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/04/84-11/04/84	0	1	
SACN0064	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/04/84-11/04/84	0	1	
SACN0112	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/03/84-11/03/84	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0118	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/03/84-11/03/84	0	1	
SACN0146	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/03/84-11/03/84	0	1	
SACN0157	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/28/84-10/28/84	0	1	
SACN0171	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/28/84-10/28/84	0	1	
SACN0266	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/28/84-10/28/84	0	1	
SACN0001	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/79-07/09/79	0	2	
SACN0006	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/74-05/15/74	0	1	
SACN0011	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/91-08/08/91	0	2	
SACN0012	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/79-07/09/79	0	1	
SACN0013	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/73-07/02/94	20	20	
SACN0014	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/79-07/09/79	0	2	
SACN0021	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/91-08/08/91	0	1	
SACN0022	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-03/12/77	0	4	
SACN0023	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-03/12/77	0	3	
SACN0024	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-03/12/77	0	3	
SACN0025	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-09/28/77	1	33	
SACN0026	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-09/28/77	1	44	
SACN0028	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-03/12/77	0	3	
SACN0029	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/79-07/09/79	0	1	
SACN0030	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/79-07/06/79	0	2	
SACN0039	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/79-07/21/79	0	1	
SACN0041	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	9	27	
SACN0044	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/20/79-07/20/79	0	1	
SACN0045	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/16/79-07/16/79	0	2	
SACN0049	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/17/81-10/15/81	0	2	
SACN0050	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/17/81-10/15/81	0	2	
SACN0054	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/79-07/24/79	0	2	
SACN0055	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/79-07/15/79	0	1	
SACN0061	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/79-07/26/79	0	1	
SACN0067	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	9	28	
SACN0070	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0071	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0072	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/79-07/26/79	0	2	
SACN0074	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0077	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0078	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	0	2	
SACN0079	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/79-07/26/79	0	2	
SACN0080	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/12/93-03/14/95	1	16	
SACN0085	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/13/81-11/13/86	5	292	
SACN0087	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0094	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/79-07/18/79	0	1	
SACN0095	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0098	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0101	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	10	71	
SACN0103	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/86-08/28/86	0	1	
SACN0104	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	8	110	
SACN0106	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0107	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/12/79-08/12/79	0	2	
SACN0111	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	12	95	
SACN0113	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/12/79-08/12/79	0	1	
SACN0115	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/75-08/25/83	7	17	
SACN0117	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/93-09/13/94	1	14	
SACN0119	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/93-09/13/94	1	14	
SACN0120	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/84-08/27/86	2	2	
SACN0123	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/84-08/27/86	2	2	
SACN0124	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/93-09/19/94	1	10	
SACN0125	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	0	2	
SACN0126	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/12/79-08/12/79	0	1	
SACN0127	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/16/93-11/01/94	1	22	
SACN0128	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/93-09/19/94	1	10	
SACN0129	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-01/25/77	4	20	
SACN0132	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/93-11/01/94	1	22	
SACN0133	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/06/90-10/18/92	2	12	
SACN0135	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	0	1	
SACN0137	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	0	1	
SACN0138	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/12/79-08/12/79	0	1	
SACN0139	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	0	3	
SACN0141	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	0	2	
SACN0142	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/30/93-09/12/94	1	14	
SACN0143	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	0	2	
SACN0144	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0145	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	0	2	
SACN0149	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	0	1	
SACN0151	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/23/75-08/27/85	9	28	
SACN0152	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	0	1	
SACN0153	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	0	2	
SACN0154	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	0	1	
SACN0155	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	0	2	
SACN0156	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	0	2	
SACN0158	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	0	1	
SACN0161	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/93-10/14/94	1	16	
SACN0162	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	0	2	
SACN0163	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	0	1	
SACN0165	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	0	1	
SACN0166	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/93-10/14/94	1	16	
SACN0167	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/21/93-10/14/94	1	16	
SACN0168	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/79-08/16/79	0	2	
SACN0170	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/79-08/16/79	0	2	
SACN0172	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/23/75-08/24/83	7	18	
SACN0173	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/79-08/16/79	0	1	
SACN0176	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/26/72-11/03/72	0	8	
SACN0179	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/26/72-11/03/72	0	9	
SACN0181	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	0	1	
SACN0182	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/94-10/26/94	0	6	
SACN0183	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	36	292	T,A,S
SACN0190	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	0	1	
SACN0191	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/22/90-09/13/90	0	2	
SACN0193	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/22/90-09/13/90	0	6	
SACN0196	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/22/90-09/13/90	0	2	
SACN0198	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	0	1	
SACN0200	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	0	1	
SACN0201	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	0	1	
SACN0204	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	0	1	
SACN0205	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/23/75-08/24/83	7	17	
SACN0206	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/85-08/28/85	0	1	
SACN0209	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/08/82-10/22/86	4	22	
SACN0211	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/85-08/28/85	0	1	
SACN0216	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/09/79-08/09/79	0	1	
SACN0218	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-02/08/75	1	7	
SACN0219	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/09/79-08/09/79	0	2	
SACN0220	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-07/08/94	20	66	
SACN0221	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/93-10/28/93	0	5	
SACN0222	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/93-10/28/93	0	5	
SACN0228	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	8	117	
SACN0229	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	0	1	
SACN0231	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/79-08/28/79	0	2	
SACN0236	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/05/90-12/07/93	3	36	
SACN0238	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/07/79-08/07/79	0	1	
SACN0240	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/85-08/28/85	0	1	
SACN0242	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/09/79-08/09/79	0	1	
SACN0244	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/93-10/05/93	0	11	
SACN0246	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/02/74-04/04/86	11	75	
SACN0248	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	8	115	
SACN0251	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	6	71	
SACN0260	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/92-12/07/93	1	12	
SACN0261	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/81-07/20/83	1	3	
SACN0267	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/07/79-08/07/79	0	1	
SACN0268	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/07/79-08/07/79	0	1	
SACN0269	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/79-08/28/79	0	1	
SACN0282	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/25/82-12/09/85	3	4	
SACN0286	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/07/79-08/07/79	0	1	
SACN0289	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/81-07/21/83	1	3	
SACN0290	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/08/93-03/14/95	2	14	
SACN0292	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/93-10/05/93	0	10	
SACN0293	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/81-07/21/83	1	3	
SACN0295	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/79-08/28/79	0	2	
SACN0296	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/04/93-10/05/93	0	12	
SACN0299	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-10/18/65	7	24	
SACN0304	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/05/90-12/07/93	3	40	
SACN0305	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/22/75-08/23/83	7	27	
SACN0306	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-10/08/74	1	6	
SACN0307	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/81-07/21/83	1	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0313	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/22/75-08/27/85	9	18	
SACN0315	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	0	10	
SACN0322	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/79-08/28/79	0	2	
SACN0325	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	0	13	
SACN0326	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	0	17	
SACN0327	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	0	17	
SACN0332	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-09/12/91	18	32	
SACN0333	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/79-08/28/79	0	1	
SACN0336	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/12/67-06/25/71	4	39	
SACN0338	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/16/74-03/06/74	0	2	
SACN0339	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/81-07/20/83	1	3	
SACN0347	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	0	13	
SACN0351	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	0	11	
SACN0352	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	0	11	
SACN0354	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	27	270	T,A,S
SACN0355	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	0	8	
SACN0356	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	0	7	
SACN0359	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	0	12	
SACN0366	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/12/67-06/25/71	4	40	
SACN0372	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/20/81-09/01/82	0	7	
SACN0373	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/03/74-12/03/74	0	2	
SACN0379	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/20/91-08/26/92	1	6	
SACN0382	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	0	9	
SACN0385	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	36	87	S
SACN0390	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/11/61-02/27/79	17	78	
SACN0392	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	13	212	
SACN0394	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/58-10/18/65	7	29	
SACN0400	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/80-08/27/92	12	30	
SACN0402	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	0	14	
SACN0403	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/31/86-07/31/86	0	3	
SACN0407	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/15/72-09/22/73	0	10	
SACN0408	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/31/86-07/31/86	0	2	
SACN0413	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/06/80-05/06/80	0	1	
SACN0417	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/06/80-05/06/80	0	1	
SACN0418	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/06/80-05/06/80	0	1	
SACN0427	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/21/91-08/26/92	1	6	
SACN0428	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/22/73	0	11	
SACN0432	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/01/67-04/17/74	6	15	
SACN0436	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/06/68	0	7	
SACN0441	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	36	200	A,S
SACN0444	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	11	141	A
SACN0447	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/05/72-09/22/73	0	10	
SACN0448	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/82-09/01/82	0	1	
SACN0450	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	0	8	
SACN0452	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	20	61	
SACN0455	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	9	95	
SACN0457	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/82-09/01/82	0	1	
SACN0459	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/82-09/01/82	0	1	
SACN0463	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/77-06/24/77	0	1	
SACN0465	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/82-09/01/82	0	1	
SACN0466	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/82-09/01/82	0	1	
SACN0468	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/77-06/24/77	0	1	
SACN0041	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	9	26	
SACN0067	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	9	26	
SACN0085	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/09/82-11/09/82	0	2	
SACN0103	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/28/86-08/28/86	0	1	
SACN0115	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/75-08/25/83	7	14	
SACN0120	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/20/84-08/27/86	2	2	
SACN0123	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/20/84-08/27/86	2	2	
SACN0151	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/75-08/27/85	9	26	
SACN0172	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/75-08/24/83	7	14	
SACN0176	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/26/72-11/03/72	0	8	
SACN0179	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/26/72-11/03/72	0	9	
SACN0205	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/75-08/24/83	7	14	
SACN0220	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/01/90-07/08/94	3	176	
SACN0246	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/77-04/04/86	8	53	
SACN0305	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/22/75-08/23/83	7	26	
SACN0313	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/22/75-08/27/85	9	15	
SACN0326	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	0	17	
SACN0327	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	0	17	
SACN0338	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/06/73-09/25/74	0	11	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0351	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	0	11	
SACN0352	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	0	11	
SACN0355	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	0	8	
SACN0356	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	0	7	
SACN0372	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/20/81-09/01/82	0	7	
SACN0388	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/13/74-12/08/76	2	27	
SACN0392	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	02/23/72-10/13/82	10	27	
SACN0432	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/19/72-12/21/76	4	43	
SACN0450	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	0	8	
SACN0065	No	00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	05/04/94-05/04/94	0	1	
SACN0083	Yes	00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	05/04/94-05/04/94	0	1	
SACN0120	No	00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	08/20/84-08/27/86	2	3	
SACN0123	No	00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	08/20/84-08/27/86	2	3	
SACN0444	No	00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	10/20/93-06/28/94	0	2	
SACN0001	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/09/79-07/09/79	0	1	
SACN0011	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/08/91-08/08/91	0	1	
SACN0013	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/08/91-08/08/91	0	2	
SACN0014	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/09/79-07/09/79	0	1	
SACN0021	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/08/91-08/08/91	0	1	
SACN0022	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-03/12/77	0	4	
SACN0023	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-03/12/77	0	3	
SACN0024	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-03/12/77	0	3	
SACN0025	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-09/28/77	1	33	
SACN0026	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-09/28/77	1	44	
SACN0028	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-03/12/77	0	3	
SACN0029	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/09/79-07/09/79	0	1	
SACN0030	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/79-07/06/79	0	2	
SACN0039	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/79-07/21/79	0	1	
SACN0044	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/20/79-07/20/79	0	1	
SACN0045	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/16/79-07/16/79	0	2	
SACN0054	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/24/79-07/24/79	0	2	
SACN0055	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/15/79-07/15/79	0	1	
SACN0061	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/26/79-07/26/79	0	1	
SACN0070	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0071	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0072	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/26/79-07/26/79	0	2	
SACN0074	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0077	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0078	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	0	2	
SACN0079	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/26/79-07/26/79	0	2	
SACN0080	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/12/93-04/20/94	0	3	
SACN0085	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/13/81-11/13/86	5	269	
SACN0087	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0095	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0101	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	10	74	
SACN0103	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/86-08/28/86	0	1	
SACN0104	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/28/86-04/28/94	7	19	
SACN0106	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	0	1	
SACN0107	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/12/79-08/12/79	0	1	
SACN0111	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	11	92	
SACN0113	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/12/79-08/12/79	0	1	
SACN0120	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/20/84-08/27/86	2	2	
SACN0123	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/20/84-08/27/86	2	2	
SACN0125	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	0	2	
SACN0126	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/12/79-08/12/79	0	1	
SACN0129	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-01/25/77	4	17	
SACN0135	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	0	1	
SACN0137	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	0	1	
SACN0139	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	0	2	
SACN0141	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	0	2	
SACN0143	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	0	2	
SACN0145	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	0	2	
SACN0149	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	0	1	
SACN0152	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	0	1	
SACN0153	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	0	2	
SACN0154	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	0	1	
SACN0155	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	0	2	
SACN0156	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	0	1	
SACN0158	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	0	1	
SACN0162	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	0	1	
SACN0163	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	0	1	
SACN0165	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0168	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/79-08/16/79	0	2	
SACN0170	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/79-08/16/79	0	1	
SACN0173	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/79-08/16/79	0	1	
SACN0219	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/09/79-08/09/79	0	2	
SACN0220	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/01/90-06/22/94	3	172	
SACN0228	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/19/86-10/05/92	6	20	
SACN0231	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/79-08/28/79	0	2	
SACN0236	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/01/90-12/07/93	3	36	
SACN0238	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/07/79-08/07/79	0	1	
SACN0242	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/09/79-08/09/79	0	1	
SACN0246	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/13/81-06/20/94	12	25	
SACN0248	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/10/86-10/05/92	6	26	
SACN0260	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/14/93-12/07/93	0	11	
SACN0267	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/07/79-08/07/79	0	1	
SACN0268	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/07/79-08/07/79	0	1	
SACN0269	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/79-08/28/79	0	1	
SACN0282	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/25/82-03/25/82	0	3	
SACN0295	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/79-08/28/79	0	2	
SACN0304	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/01/90-12/07/93	3	40	
SACN0315	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	0	10	
SACN0322	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/79-08/28/79	0	1	
SACN0325	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	0	13	
SACN0332	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/25/91-08/29/91	0	4	
SACN0333	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/79-08/28/79	0	1	
SACN0347	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	0	13	
SACN0359	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	0	12	
SACN0382	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	0	9	
SACN0390	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/24/73-02/27/79	6	43	
SACN0402	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	0	14	
SACN0407	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/72-09/22/73	0	10	
SACN0428	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/22/73	0	11	
SACN0444	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	11	138	A
SACN0447	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/72-09/22/73	0	10	
SACN0041	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/20/75-08/26/85	9	15	
SACN0049	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/17/81-10/15/81	0	2	
SACN0050	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/17/81-10/15/81	0	2	
SACN0067	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/05/76-08/26/85	9	14	
SACN0115	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/21/75-08/25/83	7	16	
SACN0151	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/23/75-08/27/85	9	16	
SACN0172	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/23/75-08/24/83	7	16	
SACN0181	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	0	1	
SACN0183	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/09/74-07/25/77	2	24	
SACN0190	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	0	1	
SACN0198	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	0	1	
SACN0200	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	0	1	
SACN0201	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	0	1	
SACN0204	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	0	1	
SACN0205	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/23/75-08/24/83	7	17	
SACN0206	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/85-08/28/85	0	1	
SACN0209	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/03/82-10/22/86	4	6	
SACN0211	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/85-08/28/85	0	1	
SACN0229	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	0	1	
SACN0240	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/85-08/28/85	0	1	
SACN0246	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/02/74-04/09/81	6	23	
SACN0251	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/74-07/21/77	2	24	
SACN0261	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/81-07/20/83	1	3	
SACN0289	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/81-07/21/83	1	3	
SACN0293	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/81-07/21/83	1	3	
SACN0305	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/75-08/23/83	7	15	
SACN0307	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/81-07/21/83	1	3	
SACN0313	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/75-08/27/85	9	18	
SACN0339	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/81-07/20/83	1	3	
SACN0354	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/16/74-07/21/77	2	24	
SACN0373	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/03/74-12/03/74	0	2	
SACN0441	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/16/74-01/05/77	2	22	
SACN0444	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/23/78-08/23/78	0	1	
SACN0452	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/74-06/18/76	1	19	
SACN0455	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/74-06/14/76	1	19	
SACN0008	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/01/84-11/01/84	0	1	
SACN0019	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/01/84-11/01/84	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0059	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/04/84-11/04/84	0	1	
SACN0064	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/04/84-11/04/84	0	1	
SACN0112	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/03/84-11/03/84	0	1	
SACN0118	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/03/84-11/03/84	0	1	
SACN0146	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/03/84-11/03/84	0	1	
SACN0157	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/28/84-10/28/84	0	1	
SACN0171	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/28/84-10/28/84	0	1	
SACN0246	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	08/03/77-02/26/81	3	14	
SACN0266	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/28/84-10/28/84	0	1	
SACN0393	Yes	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	02/06/78-02/06/78	0	1	
SACN0246	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	08/03/77-02/26/81	3	14	
SACN0008	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/01/84-11/01/84	0	1	
SACN0019	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/01/84-11/01/84	0	1	
SACN0059	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/04/84-11/04/84	0	1	
SACN0064	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/04/84-11/04/84	0	1	
SACN0112	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/03/84-11/03/84	0	1	
SACN0118	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/03/84-11/03/84	0	1	
SACN0146	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/03/84-11/03/84	0	1	
SACN0157	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/28/84-10/28/84	0	1	
SACN0171	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/28/84-10/28/84	0	1	
SACN0266	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/28/84-10/28/84	0	1	
SACN0041	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/20/75-08/22/83	7	9	
SACN0068	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/20/75-08/22/83	7	8	
SACN0151	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/23/75-08/24/83	7	8	
SACN0187	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/22/69-07/29/91	21	9	
SACN0251	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/16/71-07/08/74	2	2	
SACN0305	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/22/75-08/23/83	7	10	
SACN0336	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/69-09/25/70	1	2	
SACN0354	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/22/69-07/09/91	21	8	
SACN0366	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/69-09/25/70	1	2	
SACN0385	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/09/91-07/09/91	0	1	
SACN0388	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/13/74-09/08/81	6	27	
SACN0393	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/22/77-09/08/81	4	22	
SACN0432	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-10/10/73	0	2	
SACN0441	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/16/71-07/09/91	19	5	
SACN0443	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/24/77-09/03/81	4	25	
SACN0452	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/09/74-07/29/91	17	2	
SACN0455	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/69-07/09/74	4	5	
SACN0187	Yes	00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	11/22/76-11/22/76	0	1	
SACN0187	Yes	00745	SULFIDE, TOTAL (MG/L AS S)	09/22/69-07/08/74	4	4	
SACN0251	Yes	00745	SULFIDE, TOTAL (MG/L AS S)	09/16/71-07/08/74	2	3	
SACN0336	Yes	00745	SULFIDE, TOTAL (MG/L AS S)	09/24/69-09/24/69	0	1	
SACN0354	Yes	00745	SULFIDE, TOTAL (MG/L AS S)	09/22/69-07/15/74	4	4	
SACN0366	Yes	00745	SULFIDE, TOTAL (MG/L AS S)	09/24/69-09/24/69	0	1	
SACN0441	No	00745	SULFIDE, TOTAL (MG/L AS S)	09/16/71-07/15/74	2	3	
SACN0452	No	00745	SULFIDE, TOTAL (MG/L AS S)	07/09/74-07/09/74	0	1	
SACN0455	No	00745	SULFIDE, TOTAL (MG/L AS S)	09/24/69-07/09/74	4	4	
SACN0004	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/78-08/14/78	0	3	
SACN0011	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/08/91-08/08/91	0	2	
SACN0013	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/08/91-08/08/91	0	2	
SACN0021	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/08/91-08/08/91	0	1	
SACN0022	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-09/28/76	0	3	
SACN0023	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	0	2	
SACN0024	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	0	2	
SACN0025	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	0	2	
SACN0026	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-10/04/76	0	4	
SACN0028	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	0	2	
SACN0041	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/20/75-04/11/83	7	26	
SACN0067	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/06/68-04/11/83	14	27	
SACN0080	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/12/93-05/12/93	0	1	
SACN0085	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/09/82-11/09/82	0	2	
SACN0101	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/89-06/08/94	5	19	
SACN0103	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/86-08/28/86	0	1	
SACN0104	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/91-04/11/91	0	2	
SACN0111	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	6	82	
SACN0120	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/86-08/27/86	0	1	
SACN0123	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/86-08/27/86	0	1	
SACN0129	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	4	59	
SACN0147	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/66-08/27/85	18	29	
SACN0181	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0183	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	24	113	T
SACN0190	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0198	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0200	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0201	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0204	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0205	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/06/68-06/06/68	0	1	
SACN0206	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0209	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/08/82-10/22/86	4	23	
SACN0211	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0221	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-10/28/93	0	4	
SACN0222	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-10/28/93	0	4	
SACN0226	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/07/68-06/07/68	0	1	
SACN0228	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/26/87-10/11/94	6	20	
SACN0229	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0236	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/05/90-12/07/93	3	37	
SACN0240	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0244	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/05/93-10/05/93	0	2	
SACN0246	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/66-02/24/86	19	62	
SACN0248	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/86-10/11/94	8	22	
SACN0251	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	6	61	
SACN0260	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/03/93-12/07/93	0	10	
SACN0282	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/25/82-03/25/82	0	3	
SACN0290	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/03/93-11/18/93	0	3	
SACN0292	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/05/93-10/05/93	0	2	
SACN0296	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/03/93-10/05/93	0	2	
SACN0304	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/05/90-12/07/93	3	41	
SACN0305	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/25/66-04/08/83	16	29	
SACN0313	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0316	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/07/68-06/07/68	0	1	
SACN0336	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-06/25/71	4	39	
SACN0338	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/73-09/25/74	0	11	
SACN0354	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	24	115	T
SACN0366	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-06/25/71	4	41	
SACN0383	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/06/67-04/06/67	0	1	
SACN0385	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/28/80-10/29/91	11	12	
SACN0388	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/13/74-01/31/79	4	29	
SACN0390	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	17	187	A
SACN0392	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/80-07/10/80	0	1	
SACN0393	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/22/77-09/25/79	2	33	
SACN0411	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/80-11/12/81	1	9	
SACN0413	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0416	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/80-11/05/80	0	1	
SACN0417	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0418	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0419	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/80-11/12/81	1	9	
SACN0420	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/12/81-11/12/81	0	1	
SACN0432	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/19/72-01/21/77	4	47	
SACN0436	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/06/68	0	7	
SACN0441	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	24	69	
SACN0443	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/24/77-08/31/79	2	30	
SACN0444	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/79-12/06/88	9	8	
SACN0448	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0451	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/05/67-09/05/67	0	1	
SACN0452	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/07/74-10/22/91	17	28	
SACN0455	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	9	95	
SACN0457	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0459	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0463	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/77-06/24/77	0	1	
SACN0465	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0466	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0468	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/77-06/24/77	0	1	
SACN0041	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/20/75-02/24/81	5	21	
SACN0067	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/06/68-02/24/81	12	22	
SACN0147	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/05/66-02/25/81	14	24	
SACN0205	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/06/68-06/06/68	0	1	
SACN0212	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/07/67-09/07/67	0	1	
SACN0226	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/07/68-06/07/68	0	1	
SACN0246	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/66-02/26/81	14	52	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0305	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/25/66-02/26/81	14	24	
SACN0316	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/07/68-06/07/68	0	1	
SACN0338	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/73-09/25/74	0	11	
SACN0383	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	04/06/67-04/06/67	0	1	
SACN0388	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/13/74-01/31/79	4	29	
SACN0393	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/22/77-09/25/79	2	33	
SACN0432	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	12/19/72-01/21/77	4	47	
SACN0443	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/24/77-08/31/79	2	30	
SACN0451	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/05/67-09/05/67	0	1	
SACN0008	No	00910	CALCIUM (MG/L AS CACO3)	11/01/84-11/01/84	0	1	
SACN0019	No	00910	CALCIUM (MG/L AS CACO3)	11/01/84-11/01/84	0	1	
SACN0059	No	00910	CALCIUM (MG/L AS CACO3)	11/04/84-11/04/84	0	1	
SACN0064	No	00910	CALCIUM (MG/L AS CACO3)	11/04/84-11/04/84	0	1	
SACN0112	No	00910	CALCIUM (MG/L AS CACO3)	11/03/84-11/03/84	0	1	
SACN0118	No	00910	CALCIUM (MG/L AS CACO3)	11/03/84-11/03/84	0	1	
SACN0146	No	00910	CALCIUM (MG/L AS CACO3)	11/03/84-11/03/84	0	1	
SACN0157	No	00910	CALCIUM (MG/L AS CACO3)	10/28/84-10/28/84	0	1	
SACN0171	No	00910	CALCIUM (MG/L AS CACO3)	10/28/84-10/28/84	0	1	
SACN0181	No	00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0183	No	00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/22/91	22	71	
SACN0190	No	00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0198	No	00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0200	No	00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0201	No	00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0204	No	00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0206	No	00910	CALCIUM (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0209	No	00910	CALCIUM (MG/L AS CACO3)	02/08/82-10/22/86	4	23	
SACN0211	No	00910	CALCIUM (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0229	No	00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0240	No	00910	CALCIUM (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0251	Yes	00910	CALCIUM (MG/L AS CACO3)	07/19/71-07/21/77	6	60	
SACN0266	No	00910	CALCIUM (MG/L AS CACO3)	10/28/84-10/28/84	0	1	
SACN0336	Yes	00910	CALCIUM (MG/L AS CACO3)	09/24/69-09/25/70	1	2	
SACN0354	Yes	00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/29/91	22	73	
SACN0366	Yes	00910	CALCIUM (MG/L AS CACO3)	09/24/69-09/25/70	1	2	
SACN0385	Yes	00910	CALCIUM (MG/L AS CACO3)	10/28/80-10/29/91	11	12	
SACN0413	No	00910	CALCIUM (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0417	No	00910	CALCIUM (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0418	No	00910	CALCIUM (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0441	No	00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	20	62	
SACN0448	No	00910	CALCIUM (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0452	No	00910	CALCIUM (MG/L AS CACO3)	06/07/74-10/22/91	17	28	
SACN0455	No	00910	CALCIUM (MG/L AS CACO3)	09/24/69-06/14/76	6	55	
SACN0457	No	00910	CALCIUM (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0459	No	00910	CALCIUM (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0463	No	00910	CALCIUM (MG/L AS CACO3)	06/24/77-06/24/77	0	1	
SACN0465	No	00910	CALCIUM (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0466	No	00910	CALCIUM (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0468	No	00910	CALCIUM (MG/L AS CACO3)	06/24/77-06/24/77	0	1	
SACN0041	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/20/75-08/26/85	9	28	
SACN0067	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/68-08/26/85	17	29	
SACN0085	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/13/81-11/13/86	5	294	
SACN0103	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/28/86-08/28/86	0	1	
SACN0120	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/84-08/27/86	2	2	
SACN0123	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/84-08/27/86	2	2	
SACN0147	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/66-08/27/85	18	30	
SACN0205	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/68-06/06/68	0	1	
SACN0226	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/07/68-06/07/68	0	1	
SACN0246	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/66-02/24/86	19	75	
SACN0305	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/25/66-08/23/83	16	29	
SACN0313	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/27/85-08/27/85	0	1	
SACN0316	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/07/68-06/07/68	0	1	
SACN0338	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/73-09/25/74	0	11	
SACN0383	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/06/67-04/06/67	0	1	
SACN0388	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/13/74-01/31/79	4	29	
SACN0392	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/09/85-09/05/85	0	3	
SACN0393	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/22/77-08/09/79	2	32	
SACN0411	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/80-11/12/81	1	9	
SACN0416	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/80-11/05/80	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0419	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/80-11/12/81	1	9	
SACN0420	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/12/81-11/12/81	0	1	
SACN0432	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/19/72-01/21/77	4	47	
SACN0443	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/24/77-08/31/79	2	30	
SACN0451	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/05/67-09/05/67	0	1	
SACN0001	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/79-07/09/79	0	2	
SACN0005	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/10/77-08/10/77	0	1	
SACN0006	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/15/74-05/15/74	0	1	
SACN0007	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/14/92-07/14/92	0	1	
SACN0011	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/08/91-08/08/91	0	2	
SACN0012	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/79-07/09/79	0	2	
SACN0013	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/11/73-08/08/91	18	16	
SACN0014	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/79-07/09/79	0	2	
SACN0016	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/03/78-08/03/78	0	2	
SACN0017	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/14/92-07/14/92	0	1	
SACN0021	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/08/91-08/08/91	0	1	
SACN0029	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/79-07/09/79	0	1	
SACN0030	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/06/79-07/06/79	0	2	
SACN0039	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/20/79-07/21/79	0	2	
SACN0044	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/20/79-07/20/79	0	1	
SACN0045	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/16/79-07/16/79	0	2	
SACN0054	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/79-07/24/79	0	2	
SACN0055	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/15/79-07/15/79	0	1	
SACN0061	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/79-07/26/79	0	1	
SACN0070	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	0	1	
SACN0071	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	0	2	
SACN0072	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/79-07/26/79	0	2	
SACN0074	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	0	1	
SACN0077	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	0	1	
SACN0078	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	0	2	
SACN0079	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/79-07/26/79	0	2	
SACN0080	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/12/93-04/20/94	0	3	
SACN0087	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	0	1	
SACN0094	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/79-07/18/79	0	1	
SACN0095	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	0	1	
SACN0098	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	0	1	
SACN0101	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	01/23/89-06/08/94	5	19	
SACN0104	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/28/86-04/28/94	7	19	
SACN0106	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	0	1	
SACN0107	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/12/79-08/12/79	0	2	
SACN0113	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/12/79-08/12/79	0	1	
SACN0125	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	0	2	
SACN0126	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/12/79-08/12/79	0	1	
SACN0135	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	0	1	
SACN0137	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	0	1	
SACN0138	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/12/79-08/12/79	0	2	
SACN0139	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	0	3	
SACN0141	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	0	2	
SACN0143	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	0	2	
SACN0145	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	0	2	
SACN0149	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	0	1	
SACN0152	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	0	1	
SACN0153	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	0	2	
SACN0154	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	0	1	
SACN0155	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	0	2	
SACN0156	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	0	2	
SACN0158	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	0	1	
SACN0162	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	0	2	
SACN0163	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	0	1	
SACN0165	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	0	1	
SACN0168	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/16/79-08/16/79	0	2	
SACN0170	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/16/79-08/16/79	0	2	
SACN0173	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/16/79-08/16/79	0	1	
SACN0216	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/09/79-08/09/79	0	1	
SACN0218	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/12/73-02/08/75	1	7	
SACN0219	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/09/79-08/09/79	0	2	
SACN0220	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/12/73-02/08/75	1	17	
SACN0221	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/22/93-10/28/93	0	4	
SACN0222	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/22/93-10/28/93	0	4	
SACN0228	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/11/94	7	23	
SACN0231	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/79-08/28/79	0	2	
SACN0236	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/05/90-12/07/93	3	37	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0238	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/07/79-08/07/79	0	1	
SACN0242	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/09/79-08/09/79	0	1	
SACN0244	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/05/93-10/05/93	0	2	
SACN0248	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/10/86-10/11/94	8	28	
SACN0260	No	00916	CALCIUM, TOTAL (MG/L AS CA)	02/03/93-12/07/93	0	10	
SACN0267	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/07/79-08/07/79	0	1	
SACN0268	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/07/79-08/07/79	0	1	
SACN0269	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/79-08/28/79	0	1	
SACN0286	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/07/79-08/07/79	0	1	
SACN0290	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/03/93-11/18/93	0	3	
SACN0292	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/05/93-10/05/93	0	2	
SACN0295	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/79-08/28/79	0	2	
SACN0296	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/03/93-10/05/93	0	2	
SACN0304	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/05/90-12/07/93	3	41	
SACN0306	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/12/73-10/08/74	1	6	
SACN0322	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/79-08/28/79	0	2	
SACN0332	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	09/12/73-02/09/75	1	14	
SACN0333	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/79-08/28/79	0	1	
SACN0444	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/05/88-12/06/88	0	3	
SACN0181	No	00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0183	No	00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/22/91	22	30	
SACN0190	No	00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0198	No	00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0200	No	00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0201	No	00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0204	No	00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0206	No	00920	MAGNESIUM (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0209	No	00920	MAGNESIUM (MG/L AS CACO3)	02/08/82-10/22/86	4	23	
SACN0211	No	00920	MAGNESIUM (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0229	No	00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	0	1	
SACN0240	No	00920	MAGNESIUM (MG/L AS CACO3)	08/28/85-08/28/85	0	1	
SACN0251	Yes	00920	MAGNESIUM (MG/L AS CACO3)	09/16/71-07/21/77	5	16	
SACN0336	Yes	00920	MAGNESIUM (MG/L AS CACO3)	09/24/69-09/25/70	1	2	
SACN0354	Yes	00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/29/91	22	30	
SACN0366	Yes	00920	MAGNESIUM (MG/L AS CACO3)	09/24/69-09/25/70	1	2	
SACN0385	Yes	00920	MAGNESIUM (MG/L AS CACO3)	10/28/80-10/29/91	11	12	
SACN0413	No	00920	MAGNESIUM (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0417	No	00920	MAGNESIUM (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0418	No	00920	MAGNESIUM (MG/L AS CACO3)	05/06/80-05/06/80	0	1	
SACN0441	No	00920	MAGNESIUM (MG/L AS CACO3)	09/16/71-10/31/91	20	19	
SACN0448	No	00920	MAGNESIUM (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0452	No	00920	MAGNESIUM (MG/L AS CACO3)	10/02/75-10/22/91	16	12	
SACN0455	No	00920	MAGNESIUM (MG/L AS CACO3)	09/24/69-06/14/76	6	13	
SACN0457	No	00920	MAGNESIUM (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0459	No	00920	MAGNESIUM (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0463	No	00920	MAGNESIUM (MG/L AS CACO3)	06/24/77-06/24/77	0	1	
SACN0465	No	00920	MAGNESIUM (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0466	No	00920	MAGNESIUM (MG/L AS CACO3)	09/01/82-09/01/82	0	1	
SACN0468	No	00920	MAGNESIUM (MG/L AS CACO3)	06/24/77-06/24/77	0	1	
SACN0209	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/01/83-06/01/83	0	1	
SACN0008	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/01/84-11/01/84	0	1	
SACN0019	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/01/84-11/01/84	0	1	
SACN0041	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/20/75-08/26/85	9	28	
SACN0059	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/04/84-11/04/84	0	1	
SACN0064	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/04/84-11/04/84	0	1	
SACN0067	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/68-08/26/85	17	29	
SACN0085	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/13/81-11/13/86	5	295	
SACN0103	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/28/86-08/28/86	0	1	
SACN0112	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/03/84-11/03/84	0	1	
SACN0118	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/03/84-11/03/84	0	1	
SACN0120	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/20/84-08/27/86	2	2	
SACN0123	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/20/84-08/27/86	2	2	
SACN0146	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/03/84-11/03/84	0	1	
SACN0147	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/66-08/27/85	18	30	
SACN0157	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/28/84-10/28/84	0	1	
SACN0171	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/28/84-10/28/84	0	1	
SACN0205	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/68-06/06/68	0	1	
SACN0226	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/07/68-06/07/68	0	1	
SACN0246	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/66-02/24/86	19	75	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0266	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/28/84-10/28/84	0	1	
SACN0305	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/25/66-08/23/83	16	29	
SACN0313	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/27/85-08/27/85	0	1	
SACN0316	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/07/68-06/07/68	0	1	
SACN0338	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/73-09/25/74	0	11	
SACN0383	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/06/67-04/06/67	0	1	
SACN0388	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/13/74-01/31/79	4	29	
SACN0392	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/09/85-09/05/85	0	3	
SACN0393	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/22/77-08/09/79	2	32	
SACN0411	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/80-11/12/81	1	9	
SACN0416	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/80-11/05/80	0	1	
SACN0419	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/80-11/12/81	1	9	
SACN0420	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/12/81-11/12/81	0	1	
SACN0432	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/19/72-01/21/77	4	47	
SACN0443	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/24/77-08/31/79	2	30	
SACN0451	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/05/67-09/05/67	0	1	
SACN0001	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/79-07/09/79	0	2	
SACN0005	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/10/77-08/10/77	0	1	
SACN0006	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/15/74-05/15/74	0	1	
SACN0007	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/14/92-07/14/92	0	1	
SACN0011	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/08/91-08/08/91	0	2	
SACN0012	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/79-07/09/79	0	2	
SACN0013	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/11/73-08/08/91	18	16	
SACN0014	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/79-07/09/79	0	2	
SACN0016	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/03/78-08/03/78	0	2	
SACN0017	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/14/92-07/14/92	0	1	
SACN0021	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/08/91-08/08/91	0	1	
SACN0029	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/79-07/09/79	0	1	
SACN0030	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/06/79-07/06/79	0	2	
SACN0039	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/20/79-07/21/79	0	2	
SACN0044	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/20/79-07/20/79	0	1	
SACN0045	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/16/79-07/16/79	0	2	
SACN0054	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/79-07/24/79	0	2	
SACN0055	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/15/79-07/15/79	0	1	
SACN0061	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/79-07/26/79	0	1	
SACN0070	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	0	1	
SACN0071	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	0	2	
SACN0072	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/79-07/26/79	0	2	
SACN0074	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	0	1	
SACN0077	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	0	1	
SACN0078	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	0	2	
SACN0079	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/79-07/26/79	0	2	
SACN0080	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/12/93-04/20/94	0	3	
SACN0087	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	0	1	
SACN0094	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/79-07/18/79	0	1	
SACN0095	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	0	1	
SACN0098	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	0	1	
SACN0101	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/23/89-06/08/94	5	19	
SACN0104	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/28/86-04/28/94	7	19	
SACN0106	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	0	1	
SACN0107	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/12/79-08/12/79	0	2	
SACN0113	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/12/79-08/12/79	0	1	
SACN0125	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	0	2	
SACN0126	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/12/79-08/12/79	0	1	
SACN0135	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	0	1	
SACN0137	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	0	1	
SACN0138	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/12/79-08/12/79	0	2	
SACN0139	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	0	3	
SACN0141	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	0	2	
SACN0143	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	0	2	
SACN0145	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	0	2	
SACN0149	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	0	1	
SACN0152	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	0	1	
SACN0153	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	0	2	
SACN0154	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	0	1	
SACN0155	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	0	2	
SACN0156	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	0	2	
SACN0158	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	0	1	
SACN0162	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	0	2	
SACN0163	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	0	1	
SACN0165	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	0	1	
SACN0168	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/16/79-08/16/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0170	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/16/79-08/16/79	0	2	
SACN0173	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/16/79-08/16/79	0	1	
SACN0216	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/09/79-08/09/79	0	1	
SACN0218	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/12/73-02/08/75	1	7	
SACN0219	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/09/79-08/09/79	0	2	
SACN0220	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/12/73-02/08/75	1	17	
SACN0221	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/22/93-10/28/93	0	4	
SACN0222	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/22/93-10/28/93	0	4	
SACN0228	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/11/94	7	23	
SACN0231	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/79-08/28/79	0	2	
SACN0236	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/05/90-12/07/93	3	37	
SACN0238	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/07/79-08/07/79	0	1	
SACN0242	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/09/79-08/09/79	0	1	
SACN0244	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/05/93-10/05/93	0	2	
SACN0248	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/10/86-10/11/94	8	28	
SACN0260	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/03/93-12/07/93	0	10	
SACN0267	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/07/79-08/07/79	0	1	
SACN0268	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/07/79-08/07/79	0	1	
SACN0269	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/79-08/28/79	0	1	
SACN0286	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/07/79-08/07/79	0	1	
SACN0290	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/03/93-11/18/93	0	3	
SACN0292	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/05/93-10/05/93	0	2	
SACN0295	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/79-08/28/79	0	2	
SACN0296	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/03/93-10/05/93	0	2	
SACN0304	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/05/90-12/07/93	3	41	
SACN0306	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/12/73-10/08/74	1	6	
SACN0322	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/79-08/28/79	0	2	
SACN0332	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/12/73-02/09/75	1	14	
SACN0333	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/79-08/28/79	0	1	
SACN0444	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/05/88-12/06/88	0	3	
SACN0001	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/79-07/09/79	0	2	
SACN0005	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/10/77-08/10/77	0	1	
SACN0006	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/15/74-05/15/74	0	1	
SACN0012	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/79-07/09/79	0	2	
SACN0013	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/11/73-10/23/74	1	14	
SACN0014	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/79-07/09/79	0	2	
SACN0016	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/03/78-08/03/78	0	2	
SACN0029	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/79-07/09/79	0	1	
SACN0030	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/06/79-07/06/79	0	2	
SACN0039	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/20/79-07/21/79	0	2	
SACN0044	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/20/79-07/20/79	0	1	
SACN0045	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/16/79-07/16/79	0	2	
SACN0054	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/24/79-07/24/79	0	2	
SACN0055	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/15/79-07/15/79	0	1	
SACN0061	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/26/79-07/26/79	0	1	
SACN0070	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	0	1	
SACN0071	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	0	2	
SACN0072	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/26/79-07/26/79	0	2	
SACN0074	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	0	1	
SACN0077	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	0	1	
SACN0078	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	0	2	
SACN0079	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/26/79-07/26/79	0	2	
SACN0080	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/12/93-04/20/94	0	3	
SACN0087	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	0	1	
SACN0094	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/18/79-07/18/79	0	1	
SACN0095	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	0	1	
SACN0098	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	0	1	
SACN0104	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/28/86-04/28/94	7	19	
SACN0106	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	0	1	
SACN0107	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/12/79-08/12/79	0	2	
SACN0113	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/12/79-08/12/79	0	1	
SACN0125	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	0	2	
SACN0126	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/12/79-08/12/79	0	1	
SACN0135	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	0	1	
SACN0137	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	0	1	
SACN0138	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/12/79-08/12/79	0	2	
SACN0139	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	0	3	
SACN0141	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	0	2	
SACN0143	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	0	2	
SACN0145	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	0	2	
SACN0149	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	0	1	
SACN0152	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0153	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	0	2	
SACN0154	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	0	1	
SACN0155	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	0	2	
SACN0156	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	0	2	
SACN0158	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	0	1	
SACN0162	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	0	2	
SACN0163	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	0	1	
SACN0165	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	0	1	
SACN0168	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/16/79-08/16/79	0	2	
SACN0170	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/16/79-08/16/79	0	2	
SACN0173	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/16/79-08/16/79	0	1	
SACN0216	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/09/79-08/09/79	0	1	
SACN0218	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/12/73-02/08/75	1	7	
SACN0219	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/09/79-08/09/79	0	2	
SACN0220	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/12/73-02/08/75	1	17	
SACN0221	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/28/93-10/28/93	0	1	
SACN0222	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/28/93-10/28/93	0	1	
SACN0228	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/11/94	7	22	
SACN0231	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/28/79-08/28/79	0	2	
SACN0238	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/07/79-08/07/79	0	1	
SACN0242	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/09/79-08/09/79	0	1	
SACN0244	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/05/93-10/05/93	0	2	
SACN0248	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/10/86-10/11/94	8	28	
SACN0267	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/07/79-08/07/79	0	1	
SACN0268	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/07/79-08/07/79	0	1	
SACN0269	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/28/79-08/28/79	0	1	
SACN0286	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/07/79-08/07/79	0	1	
SACN0290	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/03/93-11/18/93	0	3	
SACN0292	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/05/93-10/05/93	0	2	
SACN0295	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/28/79-08/28/79	0	2	
SACN0296	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/03/93-10/05/93	0	2	
SACN0306	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/12/73-10/08/74	1	6	
SACN0322	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/28/79-08/28/79	0	2	
SACN0332	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	09/12/73-02/09/75	1	14	
SACN0333	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/28/79-08/28/79	0	1	
SACN0008	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/01/84-11/01/84	0	1	
SACN0019	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/01/84-11/01/84	0	1	
SACN0041	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	9	28	
SACN0059	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/04/84-11/04/84	0	1	
SACN0064	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/04/84-11/04/84	0	1	
SACN0067	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	9	28	
SACN0085	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/13/81-11/13/86	5	267	
SACN0103	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/86-08/28/86	0	1	
SACN0112	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/03/84-11/03/84	0	1	
SACN0118	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/03/84-11/03/84	0	1	
SACN0120	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/20/84-08/27/86	2	2	
SACN0123	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/20/84-08/27/86	2	2	
SACN0146	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/03/84-11/03/84	0	1	
SACN0147	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/66-08/27/85	18	29	
SACN0157	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/28/84-10/28/84	0	1	
SACN0171	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/28/84-10/28/84	0	1	
SACN0181	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	0	1	
SACN0183	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/25/77	7	60	
SACN0190	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	0	1	
SACN0198	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	0	1	
SACN0200	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	0	1	
SACN0201	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	0	1	
SACN0204	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	0	1	
SACN0205	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/06/68-06/06/68	0	1	
SACN0206	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/85-08/28/85	0	1	
SACN0209	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/08/82-10/22/86	4	14	
SACN0211	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/85-08/28/85	0	1	
SACN0226	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/07/68-06/07/68	0	1	
SACN0229	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	0	1	
SACN0240	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/85-08/28/85	0	1	
SACN0246	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/06/66-02/24/86	19	74	
SACN0251	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/71-07/21/77	5	58	
SACN0266	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/28/84-10/28/84	0	1	
SACN0305	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/25/66-08/23/83	16	28	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0313	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	0	1	
SACN0316	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/07/68-06/07/68	0	1	
SACN0336	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-09/25/70	1	2	
SACN0338	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/06/73-09/25/74	0	11	
SACN0354	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	7	60	
SACN0366	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-09/25/70	1	2	
SACN0383	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/06/67-04/06/67	0	1	
SACN0388	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/13/74-01/31/79	4	29	
SACN0392	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/09/85-09/05/85	0	3	
SACN0393	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/22/77-08/09/79	2	32	
SACN0411	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/80-11/12/81	1	9	
SACN0413	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/80-05/06/80	0	1	
SACN0416	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/80-11/05/80	0	1	
SACN0417	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/80-05/06/80	0	1	
SACN0418	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/80-05/06/80	0	1	
SACN0419	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/80-11/12/81	1	9	
SACN0420	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/12/81-11/12/81	0	1	
SACN0432	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/19/72-01/21/77	4	47	
SACN0441	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/71-01/05/77	5	56	
SACN0443	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/24/77-08/31/79	2	30	
SACN0451	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/05/67-09/05/67	0	1	
SACN0452	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/07/74-06/18/76	2	25	
SACN0455	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	6	54	
SACN0041	Yes	00931	SODIUM ADSORPTION RATIO	10/20/75-04/11/83	7	26	
SACN0067	No	00931	SODIUM ADSORPTION RATIO	02/05/76-04/01/76	0	2	
SACN0068	Yes	00931	SODIUM ADSORPTION RATIO	10/20/75-04/11/83	7	26	
SACN0085	No	00931	SODIUM ADSORPTION RATIO	11/09/82-11/09/82	0	2	
SACN0103	No	00931	SODIUM ADSORPTION RATIO	08/28/86-08/28/86	0	1	
SACN0120	No	00931	SODIUM ADSORPTION RATIO	08/27/86-08/27/86	0	1	
SACN0123	No	00931	SODIUM ADSORPTION RATIO	08/27/86-08/27/86	0	1	
SACN0147	No	00931	SODIUM ADSORPTION RATIO	10/09/70-10/09/70	0	1	
SACN0151	Yes	00931	SODIUM ADSORPTION RATIO	10/23/75-08/27/85	9	26	
SACN0205	No	00931	SODIUM ADSORPTION RATIO	06/06/68-06/06/68	0	1	
SACN0226	No	00931	SODIUM ADSORPTION RATIO	06/07/68-06/07/68	0	1	
SACN0246	No	00931	SODIUM ADSORPTION RATIO	10/02/74-02/24/86	11	61	
SACN0305	No	00931	SODIUM ADSORPTION RATIO	10/22/75-04/08/83	7	26	
SACN0313	No	00931	SODIUM ADSORPTION RATIO	08/27/85-08/27/85	0	1	
SACN0316	No	00931	SODIUM ADSORPTION RATIO	06/07/68-06/07/68	0	1	
SACN0338	Yes	00931	SODIUM ADSORPTION RATIO	11/06/73-09/25/74	0	11	
SACN0383	No	00931	SODIUM ADSORPTION RATIO	04/06/67-04/06/67	0	1	
SACN0388	Yes	00931	SODIUM ADSORPTION RATIO	11/13/74-01/31/79	4	29	
SACN0393	Yes	00931	SODIUM ADSORPTION RATIO	02/22/77-08/09/79	2	32	
SACN0411	No	00931	SODIUM ADSORPTION RATIO	11/05/80-11/12/81	1	9	
SACN0416	No	00931	SODIUM ADSORPTION RATIO	11/05/80-11/05/80	0	1	
SACN0419	No	00931	SODIUM ADSORPTION RATIO	11/05/80-11/12/81	1	9	
SACN0420	No	00931	SODIUM ADSORPTION RATIO	11/12/81-11/12/81	0	1	
SACN0432	No	00931	SODIUM ADSORPTION RATIO	12/19/72-01/21/77	4	47	
SACN0443	No	00931	SODIUM ADSORPTION RATIO	02/24/77-08/31/79	2	30	
SACN0451	No	00931	SODIUM ADSORPTION RATIO	09/05/67-09/05/67	0	1	
SACN0041	Yes	00932	SODIUM, PERCENT	10/20/75-04/11/83	7	26	
SACN0067	No	00932	SODIUM, PERCENT	02/05/76-04/01/76	0	2	
SACN0068	Yes	00932	SODIUM, PERCENT	10/20/75-04/11/83	7	26	
SACN0085	No	00932	SODIUM, PERCENT	11/09/82-11/09/82	0	2	
SACN0103	No	00932	SODIUM, PERCENT	08/28/86-08/28/86	0	1	
SACN0120	No	00932	SODIUM, PERCENT	08/27/86-08/27/86	0	1	
SACN0123	No	00932	SODIUM, PERCENT	08/27/86-08/27/86	0	1	
SACN0147	No	00932	SODIUM, PERCENT	10/09/70-10/09/70	0	1	
SACN0151	Yes	00932	SODIUM, PERCENT	10/23/75-08/27/85	9	26	
SACN0205	No	00932	SODIUM, PERCENT	06/06/68-06/06/68	0	1	
SACN0226	No	00932	SODIUM, PERCENT	06/07/68-06/07/68	0	1	
SACN0246	No	00932	SODIUM, PERCENT	10/02/74-02/24/86	11	60	
SACN0305	No	00932	SODIUM, PERCENT	10/22/75-04/08/83	7	26	
SACN0313	No	00932	SODIUM, PERCENT	08/27/85-08/27/85	0	1	
SACN0316	No	00932	SODIUM, PERCENT	06/07/68-06/07/68	0	1	
SACN0338	Yes	00932	SODIUM, PERCENT	11/06/73-09/25/74	0	11	
SACN0383	No	00932	SODIUM, PERCENT	04/06/67-04/06/67	0	1	
SACN0388	Yes	00932	SODIUM, PERCENT	11/13/74-01/31/79	4	29	
SACN0393	Yes	00932	SODIUM, PERCENT	02/22/77-08/09/79	2	32	
SACN0411	No	00932	SODIUM, PERCENT	11/05/80-11/12/81	1	9	
SACN0416	No	00932	SODIUM, PERCENT	11/05/80-11/05/80	0	1	
SACN0419	No	00932	SODIUM, PERCENT	11/05/80-11/12/81	1	9	
SACN0420	No	00932	SODIUM, PERCENT	11/12/81-11/12/81	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0432	No	00932	SODIUM, PERCENT	12/19/72-01/21/77	4	47	
SACN0443	No	00932	SODIUM, PERCENT	02/24/77-08/31/79	2	30	
SACN0451	No	00932	SODIUM, PERCENT	09/05/67-09/05/67	0	1	
SACN0041	Yes	00933	SODIUM,PLUS POTASSIUM (MG/L)	02/20/80-02/20/80	0	1	
SACN0068	Yes	00933	SODIUM,PLUS POTASSIUM (MG/L)	02/20/80-02/20/80	0	1	
SACN0151	Yes	00933	SODIUM,PLUS POTASSIUM (MG/L)	02/20/80-02/20/80	0	1	
SACN0305	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	02/21/80-02/21/80	0	1	
SACN0443	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	04/27/79-08/31/79	0	5	
SACN0008	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/01/84-11/01/84	0	1	
SACN0019	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/01/84-11/01/84	0	1	
SACN0041	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	9	28	
SACN0059	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/04/84-11/04/84	0	1	
SACN0064	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/04/84-11/04/84	0	1	
SACN0067	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	9	28	
SACN0085	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/13/81-11/13/86	5	268	
SACN0103	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/86-08/28/86	0	1	
SACN0112	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/03/84-11/03/84	0	1	
SACN0118	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/03/84-11/03/84	0	1	
SACN0120	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/20/84-08/27/86	2	2	
SACN0123	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/20/84-08/27/86	2	2	
SACN0146	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/03/84-11/03/84	0	1	
SACN0147	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/66-08/27/85	18	29	
SACN0157	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/28/84-10/28/84	0	1	
SACN0171	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/28/84-10/28/84	0	1	
SACN0181	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	0	1	
SACN0183	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/25/77	7	59	
SACN0190	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	0	1	
SACN0198	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	0	1	
SACN0200	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	0	1	
SACN0201	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	0	1	
SACN0204	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	0	1	
SACN0205	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/06/68-06/06/68	0	1	
SACN0206	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/85-08/28/85	0	1	
SACN0209	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/08/82-10/22/86	4	14	
SACN0211	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/85-08/28/85	0	1	
SACN0226	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/07/68-06/07/68	0	1	
SACN0229	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	0	1	
SACN0240	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/85-08/28/85	0	1	
SACN0246	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/66-02/24/86	19	74	
SACN0251	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/71-07/21/77	5	57	
SACN0266	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/28/84-10/28/84	0	1	
SACN0305	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/25/66-08/23/83	16	28	
SACN0313	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	0	1	
SACN0316	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/07/68-06/07/68	0	1	
SACN0336	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/24/69-09/25/70	1	2	
SACN0338	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/73-09/25/74	0	11	
SACN0354	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/21/77	7	59	
SACN0366	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/24/69-09/25/70	1	2	
SACN0383	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/06/67-04/06/67	0	1	
SACN0388	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/13/74-01/31/79	4	29	
SACN0392	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/09/85-09/05/85	0	3	
SACN0393	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/22/77-08/09/79	2	32	
SACN0411	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/80-11/12/81	1	9	
SACN0413	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/80-05/06/80	0	1	
SACN0416	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/80-11/05/80	0	1	
SACN0417	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/80-05/06/80	0	1	
SACN0418	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/80-05/06/80	0	1	
SACN0419	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/80-11/12/81	1	9	
SACN0420	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/12/81-11/12/81	0	1	
SACN0432	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/19/72-01/21/77	4	47	
SACN0441	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/71-01/05/77	5	55	
SACN0443	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/24/77-08/31/79	2	30	
SACN0451	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/05/67-09/05/67	0	1	
SACN0452	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/07/74-06/18/76	2	25	
SACN0455	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/24/69-06/14/76	6	54	
SACN0001	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/09/79-07/09/79	0	2	
SACN0005	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/10/77-08/10/77	0	1	
SACN0006	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/15/74-05/15/74	0	1	
SACN0012	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/09/79-07/09/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0013	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/11/73-10/23/74	1	14	
SACN0014	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/09/79-07/09/79	0	2	
SACN0016	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/03/78-08/03/78	0	2	
SACN0029	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/09/79-07/09/79	0	1	
SACN0030	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/06/79-07/06/79	0	2	
SACN0039	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/20/79-07/21/79	0	2	
SACN0044	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/20/79-07/20/79	0	1	
SACN0045	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/16/79-07/16/79	0	2	
SACN0054	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/24/79-07/24/79	0	2	
SACN0055	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/15/79-07/15/79	0	1	
SACN0061	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/26/79-07/26/79	0	1	
SACN0070	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	0	1	
SACN0071	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	0	2	
SACN0072	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/26/79-07/26/79	0	2	
SACN0074	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	0	1	
SACN0077	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	0	1	
SACN0078	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	0	2	
SACN0079	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/26/79-07/26/79	0	2	
SACN0080	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/12/93-04/20/94	0	3	
SACN0087	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	0	1	
SACN0094	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/18/79-07/18/79	0	1	
SACN0095	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	0	1	
SACN0098	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	0	1	
SACN0104	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/28/86-04/28/94	7	19	
SACN0106	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	0	1	
SACN0107	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/12/79-08/12/79	0	2	
SACN0113	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/12/79-08/12/79	0	1	
SACN0125	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	0	2	
SACN0126	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/12/79-08/12/79	0	1	
SACN0135	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	0	1	
SACN0137	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	0	1	
SACN0138	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/12/79-08/12/79	0	2	
SACN0139	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	0	3	
SACN0141	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	0	2	
SACN0143	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	0	2	
SACN0145	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	0	2	
SACN0149	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	0	1	
SACN0152	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	0	1	
SACN0153	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	0	2	
SACN0154	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	0	1	
SACN0155	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	0	2	
SACN0156	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	0	2	
SACN0158	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	0	1	
SACN0162	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	0	2	
SACN0163	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	0	1	
SACN0165	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	0	1	
SACN0168	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/16/79-08/16/79	0	1	
SACN0170	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/16/79-08/16/79	0	2	
SACN0173	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/16/79-08/16/79	0	1	
SACN0216	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/09/79-08/09/79	0	1	
SACN0218	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/12/73-02/08/75	1	7	
SACN0219	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/09/79-08/09/79	0	2	
SACN0220	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/12/73-02/08/75	1	17	
SACN0221	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/28/93-10/28/93	0	1	
SACN0222	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/28/93-10/28/93	0	1	
SACN0228	No	00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/11/94	7	23	
SACN0231	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/28/79-08/28/79	0	2	
SACN0238	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/07/79-08/07/79	0	1	
SACN0242	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/09/79-08/09/79	0	1	
SACN0244	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/05/93-10/05/93	0	2	
SACN0248	No	00937	POTASSIUM, TOTAL MG/L AS K)	04/10/86-10/11/94	8	28	
SACN0267	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/07/79-08/07/79	0	1	
SACN0268	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/07/79-08/07/79	0	1	
SACN0269	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/28/79-08/28/79	0	1	
SACN0286	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/07/79-08/07/79	0	1	
SACN0290	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/03/93-11/18/93	0	3	
SACN0292	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/05/93-10/05/93	0	2	
SACN0295	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/28/79-08/28/79	0	2	
SACN0296	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/03/93-10/05/93	0	2	
SACN0306	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/12/73-10/08/74	1	6	
SACN0322	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/28/79-08/28/79	0	2	
SACN0332	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	09/12/73-02/09/75	1	14	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0333	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/28/79-08/28/79	0	1	
SACN0001	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/79-07/09/79	0	2	
SACN0005	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/10/77-08/10/77	0	1	
SACN0006	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/15/74-05/15/74	0	1	
SACN0012	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/79-07/09/79	0	2	
SACN0013	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/73-10/23/74	1	14	
SACN0014	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/79-07/09/79	0	2	
SACN0016	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/03/78-08/03/78	0	2	
SACN0022	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/12/77	0	4	
SACN0023	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/12/77	0	3	
SACN0024	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/12/77	0	3	
SACN0025	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/12/77	0	3	
SACN0026	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/30/77	0	11	
SACN0028	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/12/77	0	3	
SACN0029	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/79-07/09/79	0	1	
SACN0030	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/79-07/06/79	0	2	
SACN0039	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/79-07/21/79	0	2	
SACN0041	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	10/20/75-08/26/85	9	28	
SACN0044	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/79-07/20/79	0	1	
SACN0045	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/16/79-07/16/79	0	2	
SACN0054	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/24/79-07/24/79	0	2	
SACN0055	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/79-07/15/79	0	1	
SACN0061	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/79-07/26/79	0	1	
SACN0067	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/05/76-04/01/76	0	2	
SACN0068	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/06/68-08/26/85	17	29	
SACN0070	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	0	1	
SACN0071	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	0	2	
SACN0072	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/79-07/26/79	0	2	
SACN0074	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	0	1	
SACN0077	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	0	1	
SACN0078	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	0	2	
SACN0079	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/79-07/26/79	0	2	
SACN0080	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/12/93-04/20/94	0	3	
SACN0085	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/81-11/13/86	5	265	
SACN0087	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	0	1	
SACN0094	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/79-07/18/79	0	1	
SACN0095	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	0	1	
SACN0098	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	0	1	
SACN0101	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	10	74	
SACN0103	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/86-08/28/86	0	1	
SACN0104	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/28/86-04/28/94	7	19	
SACN0106	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	0	1	
SACN0107	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/79-08/12/79	0	2	
SACN0111	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	12	80	
SACN0113	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/79-08/12/79	0	1	
SACN0115	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	10/21/75-08/25/83	7	17	
SACN0120	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/20/84-08/27/86	2	2	
SACN0123	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/20/84-08/27/86	2	2	
SACN0125	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	0	2	
SACN0126	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/79-08/12/79	0	1	
SACN0129	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/22/72-01/25/77	4	59	
SACN0135	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	0	1	
SACN0137	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	0	1	
SACN0138	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/79-08/12/79	0	2	
SACN0139	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	0	2	
SACN0141	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	0	2	
SACN0143	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	0	2	
SACN0145	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	0	2	
SACN0147	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/09/70-10/09/70	0	1	
SACN0149	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	0	1	
SACN0151	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/66-08/27/85	18	31	
SACN0152	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	0	1	
SACN0153	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	0	2	
SACN0154	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	0	1	
SACN0155	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	0	2	
SACN0156	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	0	2	
SACN0158	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	0	1	
SACN0162	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	0	1	
SACN0163	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	0	1	
SACN0165	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	0	1	
SACN0168	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/79-08/16/79	0	2	
SACN0170	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/79-08/16/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0172	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	10/23/75-08/24/83	7	17	
SACN0173	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/79-08/16/79	0	1	
SACN0181	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	0	1	
SACN0183	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	0	1	
SACN0187	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	27	130	T,S
SACN0190	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	0	1	
SACN0193	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/22/90-09/13/90	0	2	
SACN0198	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	0	1	
SACN0200	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	0	1	
SACN0201	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	0	1	
SACN0204	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	0	1	
SACN0205	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/06/68-08/24/83	15	18	
SACN0206	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/85-08/28/85	0	1	
SACN0209	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/08/82-10/22/86	4	14	
SACN0211	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/85-08/28/85	0	1	
SACN0216	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/79-08/09/79	0	1	
SACN0218	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/73-02/08/75	1	7	
SACN0219	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/79-08/09/79	0	2	
SACN0220	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/73-02/08/75	1	17	
SACN0221	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/22/93-10/28/93	0	4	
SACN0222	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/22/93-10/28/93	0	3	
SACN0226	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/07/68-06/07/68	0	1	
SACN0228	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/87-10/11/94	6	20	
SACN0229	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	0	1	
SACN0231	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/79-08/28/79	0	2	
SACN0236	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/05/90-12/07/93	3	35	
SACN0238	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/07/79-08/07/79	0	1	
SACN0240	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/85-08/28/85	0	1	
SACN0242	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/79-08/09/79	0	1	
SACN0244	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/93-10/05/93	0	2	
SACN0246	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/06/66-02/24/86	19	75	
SACN0248	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/87-10/11/94	6	20	
SACN0251	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	24	73	
SACN0260	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/10/93-12/07/93	0	9	
SACN0267	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/07/79-08/07/79	0	1	
SACN0268	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/07/79-08/07/79	0	1	
SACN0269	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/79-08/28/79	0	1	
SACN0282	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/09/85-12/09/85	0	1	
SACN0286	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/07/79-08/07/79	0	1	
SACN0290	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/03/93-11/18/93	0	3	
SACN0292	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/93-10/05/93	0	2	
SACN0295	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/79-08/28/79	0	2	
SACN0296	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/03/93-10/05/93	0	2	
SACN0299	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-10/18/65	5	25	
SACN0304	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/05/90-12/07/93	3	41	
SACN0305	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/25/66-08/23/83	16	30	
SACN0306	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/73-10/08/74	1	6	
SACN0313	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/22/75-08/27/85	9	18	
SACN0316	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/07/68-06/07/68	0	1	
SACN0322	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/79-08/28/79	0	2	
SACN0332	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/73-02/09/75	1	16	
SACN0333	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/79-08/28/79	0	1	
SACN0336	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/12/67-06/25/71	4	39	
SACN0338	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	11/06/73-09/25/74	0	11	
SACN0354	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	10	112	
SACN0360	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	11/14/74-11/14/74	0	5	
SACN0366	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/12/67-06/25/71	4	40	
SACN0373	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/03/74-12/03/74	0	2	
SACN0383	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/06/67-04/06/67	0	1	
SACN0385	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	12	28	
SACN0388	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	11/13/74-01/31/79	4	29	
SACN0390	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	15	161	A
SACN0392	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/23/72-08/11/80	8	5	
SACN0393	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	02/22/77-09/25/79	2	33	
SACN0394	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	12	32	
SACN0398	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/64-06/24/64	0	1	
SACN0403	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/31/86-07/31/86	0	2	
SACN0408	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/31/86-07/31/86	0	1	
SACN0411	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/80-11/12/81	1	9	
SACN0413	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/06/80-05/06/80	0	1	
SACN0416	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/80-11/05/80	0	1	
SACN0417	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/06/80-05/06/80	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0418	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/06/80-05/06/80	0	1	
SACN0419	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/80-11/12/81	1	9	
SACN0420	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/12/81-11/12/81	0	1	
SACN0432	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/19/72-01/21/77	4	47	
SACN0436	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/06/68	0	7	
SACN0441	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	16	104	
SACN0443	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/24/77-08/31/79	2	30	
SACN0444	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	6	81	
SACN0448	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/82-09/01/82	0	1	
SACN0451	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/05/67-09/05/67	0	1	
SACN0452	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/07/74-06/18/76	2	25	
SACN0455	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	9	95	
SACN0457	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/82-09/01/82	0	1	
SACN0459	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/82-09/01/82	0	1	
SACN0463	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/77-06/24/77	0	1	
SACN0465	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/82-09/01/82	0	1	
SACN0466	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/82-09/01/82	0	1	
SACN0468	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/77-06/24/77	0	1	
SACN0008	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/01/84-11/01/84	0	1	
SACN0019	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/01/84-11/01/84	0	1	
SACN0059	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/04/84-11/04/84	0	1	
SACN0064	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/04/84-11/04/84	0	1	
SACN0112	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/03/84-11/03/84	0	1	
SACN0118	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/03/84-11/03/84	0	1	
SACN0146	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/03/84-11/03/84	0	1	
SACN0157	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/28/84-10/28/84	0	1	
SACN0171	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/28/84-10/28/84	0	1	
SACN0266	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/28/84-10/28/84	0	1	
SACN0392	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/09/85-09/05/85	0	3	
SACN0005	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/77-08/10/77	0	1	
SACN0006	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/15/74-05/15/74	0	1	
SACN0013	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/73-10/23/74	1	14	
SACN0016	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/78-08/03/78	0	2	
SACN0041	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	10/20/75-08/26/85	9	28	
SACN0067	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/68-08/26/85	17	29	
SACN0080	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/12/93-04/20/94	0	3	
SACN0085	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/13/81-11/13/86	5	294	
SACN0101	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/12/86-04/28/87	1	2	
SACN0103	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/86-08/28/86	0	1	
SACN0104	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/28/86-04/28/94	7	17	
SACN0120	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/84-08/27/86	2	2	
SACN0123	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/84-08/27/86	2	2	
SACN0147	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/66-08/27/85	18	31	
SACN0181	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	0	1	
SACN0183	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	0	1	
SACN0187	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-06/15/81	11	44	
SACN0190	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	0	1	
SACN0198	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	0	1	
SACN0200	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	0	1	
SACN0201	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	0	1	
SACN0204	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	0	1	
SACN0205	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/68-06/06/68	0	1	
SACN0206	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-08/28/85	0	1	
SACN0209	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/08/82-07/11/91	9	24	
SACN0211	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-08/28/85	0	1	
SACN0218	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/73-02/08/75	1	7	
SACN0220	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/73-02/08/75	1	17	
SACN0221	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/02/93-10/28/93	0	2	
SACN0222	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/28/93-10/28/93	0	1	
SACN0226	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/68-06/07/68	0	1	
SACN0228	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/11/94	7	18	
SACN0229	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	0	1	
SACN0240	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-08/28/85	0	1	
SACN0244	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/05/93-10/05/93	0	2	
SACN0246	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/06/66-02/24/86	19	75	
SACN0248	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/10/86-10/11/94	8	22	
SACN0251	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/16/71-07/21/77	5	41	
SACN0282	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/09/85-12/09/85	0	1	
SACN0290	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/03/93-11/18/93	0	3	
SACN0292	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/05/93-10/05/93	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0296	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/03/93-10/05/93	0	2	
SACN0305	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/25/66-08/23/83	16	30	
SACN0306	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/73-10/08/74	1	6	
SACN0313	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	0	1	
SACN0316	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/68-06/07/68	0	1	
SACN0332	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/73-02/09/75	1	16	
SACN0336	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/69-09/25/70	1	2	
SACN0338	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/06/73-09/25/74	0	11	
SACN0354	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-07/21/77	7	44	
SACN0366	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/69-09/25/70	1	2	
SACN0383	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/06/67-04/06/67	0	1	
SACN0388	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/13/74-01/31/79	4	29	
SACN0392	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/23/72-02/23/72	0	2	
SACN0393	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	02/22/77-09/25/79	2	33	
SACN0411	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/80-11/12/81	1	9	
SACN0413	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/06/80-05/06/80	0	1	
SACN0416	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/80-11/05/80	0	1	
SACN0417	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/06/80-05/06/80	0	1	
SACN0418	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/06/80-05/06/80	0	1	
SACN0419	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/80-11/12/81	1	9	
SACN0420	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/81-11/12/81	0	1	
SACN0432	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/72-01/21/77	4	47	
SACN0441	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/16/71-01/05/77	5	42	
SACN0443	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/24/77-08/31/79	2	30	
SACN0451	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/05/67-09/05/67	0	1	
SACN0452	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/74-06/18/76	2	25	
SACN0455	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/69-06/14/76	6	38	
SACN0392	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/09/85-09/05/85	0	3	
SACN0008	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/01/84-11/01/84	0	1	
SACN0019	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/01/84-11/01/84	0	1	
SACN0041	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	9	28	
SACN0059	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/04/84-11/04/84	0	1	
SACN0064	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/04/84-11/04/84	0	1	
SACN0067	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	9	28	
SACN0085	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/13/81-01/14/86	4	81	
SACN0103	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/28/86-08/28/86	0	1	
SACN0112	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/03/84-11/03/84	0	1	
SACN0118	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/03/84-11/03/84	0	1	
SACN0120	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/20/84-08/27/86	2	2	
SACN0123	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/20/84-08/27/86	2	2	
SACN0146	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/03/84-11/03/84	0	1	
SACN0147	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/66-08/27/85	18	29	
SACN0157	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/28/84-10/28/84	0	1	
SACN0171	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/28/84-10/28/84	0	1	
SACN0187	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/25/77	7	59	
SACN0205	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/06/68-06/06/68	0	1	
SACN0226	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/07/68-06/07/68	0	1	
SACN0246	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/66-02/24/86	19	75	
SACN0251	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/71-07/21/77	5	58	
SACN0266	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/28/84-10/28/84	0	1	
SACN0305	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/25/66-08/23/83	16	29	
SACN0313	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/27/85-08/27/85	0	1	
SACN0316	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/07/68-06/07/68	0	1	
SACN0336	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-09/25/70	1	2	
SACN0338	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/73-09/25/74	0	11	
SACN0354	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	7	61	
SACN0366	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-09/25/70	1	2	
SACN0383	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/06/67-04/06/67	0	1	
SACN0388	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/13/74-09/16/80	5	44	
SACN0393	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/22/77-09/08/81	4	36	
SACN0411	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/80-11/05/80	0	1	
SACN0416	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/80-11/05/80	0	1	
SACN0419	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/80-11/05/80	0	1	
SACN0432	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/19/72-01/21/77	4	46	
SACN0441	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/71-01/05/77	5	57	
SACN0443	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/24/77-09/03/81	4	34	
SACN0451	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/05/67-09/05/67	0	1	
SACN0452	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/07/74-06/18/76	2	25	
SACN0455	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	6	56	
SACN0005	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/10/77-08/10/77	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0016	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/03/78-08/03/78	0	2	
SACN0305	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/06/77-06/06/77	0	1	
SACN0388	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	11/13/74-09/08/81	6	26	
SACN0393	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	02/22/77-09/08/81	4	22	
SACN0432	No	00951	FLUORIDE, TOTAL (MG/L AS F)	10/10/73-10/10/73	0	1	
SACN0443	No	00951	FLUORIDE, TOTAL (MG/L AS F)	02/24/77-09/03/81	4	25	
SACN0008	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/01/84-11/01/84	0	1	
SACN0019	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/01/84-11/01/84	0	1	
SACN0041	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	9	28	
SACN0059	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/84-11/04/84	0	1	
SACN0064	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/84-11/04/84	0	1	
SACN0067	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/05/76-04/01/76	0	2	
SACN0068	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	9	28	
SACN0085	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/13/81-11/13/86	5	262	
SACN0103	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/28/86-08/28/86	0	1	
SACN0112	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/03/84-11/03/84	0	1	
SACN0118	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/03/84-11/03/84	0	1	
SACN0120	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/20/84-08/27/86	2	2	
SACN0123	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/20/84-08/27/86	2	2	
SACN0146	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/03/84-11/03/84	0	1	
SACN0147	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/09/70-10/09/70	0	1	
SACN0151	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/66-08/27/85	18	29	
SACN0157	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/84-10/28/84	0	1	
SACN0171	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/84-10/28/84	0	1	
SACN0187	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/22/69-07/08/74	4	5	
SACN0205	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/06/68-06/06/68	0	1	
SACN0221	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/93-10/28/93	0	1	
SACN0222	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/93-10/28/93	0	1	
SACN0226	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/07/68-06/07/68	0	1	
SACN0228	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/08/87-10/11/94	7	22	
SACN0244	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/05/93-10/05/93	0	2	
SACN0246	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/06/66-02/24/86	19	74	
SACN0248	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/10/86-10/11/94	8	25	
SACN0251	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/16/71-07/08/74	2	3	
SACN0266	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/84-10/28/84	0	1	
SACN0290	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/93-11/18/93	0	3	
SACN0292	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/05/93-10/05/93	0	2	
SACN0296	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/93-10/05/93	0	2	
SACN0305	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/25/66-08/23/83	16	28	
SACN0313	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/27/85-08/27/85	0	1	
SACN0316	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/07/68-06/07/68	0	1	
SACN0336	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/24/69-09/25/70	1	2	
SACN0354	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/22/69-07/15/74	4	5	
SACN0366	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/24/69-09/25/70	1	2	
SACN0383	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/06/67-04/06/67	0	1	
SACN0411	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/80-11/12/81	1	5	
SACN0416	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/80-11/05/80	0	1	
SACN0419	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/80-11/12/81	1	5	
SACN0420	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/12/81-11/12/81	0	1	
SACN0441	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/16/71-07/15/74	2	3	
SACN0451	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/05/67-09/05/67	0	1	
SACN0452	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/09/74-07/09/74	0	1	
SACN0455	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/24/69-07/09/74	4	6	
SACN0111	No	00956	SILICA, TOTAL (MG/L AS SI02)	09/27/74-07/08/75	0	9	
SACN0129	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	09/27/74-07/08/75	0	9	
SACN0246	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/74-02/24/86	11	38	
SACN0305	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/01/77-09/16/80	3	17	
SACN0393	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/22/77-09/08/81	4	17	
SACN0432	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/06/70-05/07/73	2	2	
SACN0443	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/24/77-09/03/81	4	18	
SACN0246	No	01001	ARSENIC, SUSPENDED (UG/L AS AS)	10/02/74-08/18/82	7	18	
SACN0305	No	01001	ARSENIC, SUSPENDED (UG/L AS AS)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01001	ARSENIC, SUSPENDED (UG/L AS AS)	02/01/77-08/07/78	1	10	
SACN0393	Yes	01001	ARSENIC, SUSPENDED (UG/L AS AS)	02/22/77-09/08/81	4	11	
SACN0443	No	01001	ARSENIC, SUSPENDED (UG/L AS AS)	02/24/77-09/03/81	4	11	
SACN0016	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/03/78-08/03/78	0	2	
SACN0041	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	10/20/75-08/22/83	7	9	
SACN0068	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	10/20/75-08/22/83	7	9	
SACN0103	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/28/86-08/28/86	0	1	
SACN0111	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/23/77-02/26/79	1	24	
SACN0120	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/84-08/27/86	2	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0123	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/84-08/27/86	2	2	
SACN0129	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	02/12/76-02/12/76	0	1	
SACN0151	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	10/23/75-08/24/83	7	9	
SACN0187	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/01/90	20	66	
SACN0246	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/02/74-08/18/82	7	22	
SACN0251	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-07/21/77	6	45	
SACN0261	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/81-07/20/83	1	4	
SACN0305	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/22/75-08/23/83	7	10	
SACN0307	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/81-07/21/83	1	3	
SACN0336	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/28/70-06/25/71	0	10	
SACN0354	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/30/90	20	69	
SACN0366	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/28/70-06/25/71	0	10	
SACN0385	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	10/28/80-06/28/83	2	3	
SACN0388	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	11/13/74-09/08/81	6	27	
SACN0392	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	02/22/77-09/08/81	4	23	
SACN0432	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/10/73-10/10/73	0	1	
SACN0441	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-05/29/90	18	47	
SACN0443	No	01002	ARSENIC, TOTAL (UG/L AS AS)	02/24/77-09/03/81	4	25	
SACN0444	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/19/77-02/27/79	2	26	
SACN0452	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/07/74-04/22/76	1	9	
SACN0455	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/28/70-04/19/76	5	47	
SACN0065	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/04/94-05/04/94	0	1	
SACN0083	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/04/94-05/04/94	0	1	
SACN0354	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/06/78-06/06/78	0	1	
SACN0111	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	08/17/77-09/21/82	5	18	
SACN0150	Yes	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	08/01/78-09/21/82	4	15	
SACN0354	Yes	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	06/01/78-06/29/79	1	7	
SACN0120	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/20/84-08/20/84	0	1	
SACN0123	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/20/84-08/20/84	0	1	
SACN0246	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/21/77-02/24/86	8	32	
SACN0305	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	02/01/77-09/16/80	3	17	
SACN0393	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	02/22/77-09/08/81	4	17	
SACN0432	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/07/73-05/07/73	0	1	
SACN0443	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	02/24/77-09/03/81	4	18	
SACN0246	No	01006	BARIUM, SUSPENDED (UG/L AS BA)	10/21/77-08/18/82	4	12	
SACN0305	No	01006	BARIUM, SUSPENDED (UG/L AS BA)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01006	BARIUM, SUSPENDED (UG/L AS BA)	02/01/77-08/06/79	2	16	
SACN0393	Yes	01006	BARIUM, SUSPENDED (UG/L AS BA)	02/22/77-09/08/81	4	16	
SACN0443	No	01006	BARIUM, SUSPENDED (UG/L AS BA)	02/24/77-09/03/81	4	17	
SACN0005	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/10/77-08/10/77	0	1	
SACN0016	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/03/78-08/03/78	0	2	
SACN0041	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/22/78-08/22/83	5	4	
SACN0068	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/22/78-08/22/83	5	4	
SACN0103	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/28/86-08/28/86	0	1	
SACN0120	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/20/84-08/27/86	2	2	
SACN0123	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/24/78-08/24/83	5	4	
SACN0187	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	09/22/69-07/08/74	4	5	
SACN0246	No	01007	BARIUM, TOTAL (UG/L AS BA)	10/21/77-08/18/82	4	16	
SACN0251	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	09/16/71-07/08/74	2	3	
SACN0261	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/20/81-07/20/83	1	4	
SACN0305	No	01007	BARIUM, TOTAL (UG/L AS BA)	06/06/77-08/23/83	6	5	
SACN0307	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/20/81-07/21/83	1	3	
SACN0336	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	09/24/69-09/25/70	1	2	
SACN0354	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	09/22/69-07/15/74	4	5	
SACN0366	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	09/24/69-09/25/70	1	2	
SACN0373	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	12/03/74-12/03/74	0	2	
SACN0388	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	11/13/74-09/08/81	6	26	
SACN0392	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	02/22/77-09/08/81	4	23	
SACN0432	No	01007	BARIUM, TOTAL (UG/L AS BA)	10/10/73-10/10/73	0	1	
SACN0441	No	01007	BARIUM, TOTAL (UG/L AS BA)	09/16/71-07/15/74	2	3	
SACN0443	No	01007	BARIUM, TOTAL (UG/L AS BA)	02/24/77-09/03/81	4	25	
SACN0452	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/09/74-07/09/74	0	1	
SACN0455	No	01007	BARIUM, TOTAL (UG/L AS BA)	09/24/69-07/09/74	4	5	
SACN0120	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/20/84-08/20/84	0	1	
SACN0123	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/20/84-08/20/84	0	1	
SACN0246	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/02/82-02/24/86	3	16	
SACN0388	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/16/80-09/16/80	0	1	
SACN0393	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/18/80-09/08/81	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0432	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/07/73-05/07/73	0	1	
SACN0443	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/18/80-09/03/81	0	2	
SACN0041	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/07/80-07/07/80	0	1	
SACN0068	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/07/80-07/07/80	0	1	
SACN0103	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/28/86-08/28/86	0	1	
SACN0120	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/20/84-08/27/86	2	2	
SACN0123	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/08/80-07/08/80	0	1	
SACN0305	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/10/80-07/10/80	0	1	
SACN0388	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	11/13/74-09/08/81	6	10	
SACN0393	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	11/14/79-09/08/81	1	8	
SACN0432	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/07/73-10/10/73	0	2	
SACN0443	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/26/79-09/03/81	1	9	
SACN0065	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/04/94-05/04/94	0	1	
SACN0083	Yes	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/04/94-05/04/94	0	1	
SACN0209	No	01019	CADMIUM (CD), BOTTOM DEPOSITS, TOTAL, WET WT,MG/KG	06/01/83-06/01/83	0	1	
SACN0305	No	01020	BORON, DISSOLVED (UG/L AS B)	06/06/77-06/06/77	0	1	
SACN0383	No	01020	BORON, DISSOLVED (UG/L AS B)	04/06/67-04/06/67	0	1	
SACN0388	Yes	01020	BORON, DISSOLVED (UG/L AS B)	11/13/74-09/16/80	5	20	
SACN0393	Yes	01020	BORON, DISSOLVED (UG/L AS B)	02/22/77-09/08/81	4	17	
SACN0432	No	01020	BORON, DISSOLVED (UG/L AS B)	05/07/73-10/10/73	0	2	
SACN0443	No	01020	BORON, DISSOLVED (UG/L AS B)	02/24/77-09/03/81	4	17	
SACN0451	No	01020	BORON, DISSOLVED (UG/L AS B)	09/05/67-09/05/67	0	1	
SACN0305	No	01021	BORON, SUSPENDED (UG/L AS B)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01021	BORON, SUSPENDED (UG/L AS B)	11/13/74-08/06/79	4	19	
SACN0393	Yes	01021	BORON, SUSPENDED (UG/L AS B)	02/22/77-09/08/81	4	16	
SACN0432	No	01021	BORON, SUSPENDED (UG/L AS B)	10/10/73-10/10/73	0	1	
SACN0443	No	01021	BORON, SUSPENDED (UG/L AS B)	02/24/77-09/03/81	4	16	
SACN0041	Yes	01022	BORON, TOTAL (UG/L AS B)	10/20/75-08/22/83	7	8	
SACN0068	Yes	01022	BORON, TOTAL (UG/L AS B)	10/20/75-08/22/83	7	8	
SACN0151	Yes	01022	BORON, TOTAL (UG/L AS B)	10/23/75-08/24/83	7	8	
SACN0187	Yes	01022	BORON, TOTAL (UG/L AS B)	09/22/69-09/21/72	2	4	
SACN0251	Yes	01022	BORON, TOTAL (UG/L AS B)	09/16/71-09/05/72	0	2	
SACN0305	No	01022	BORON, TOTAL (UG/L AS B)	10/22/75-08/23/83	7	9	
SACN0336	Yes	01022	BORON, TOTAL (UG/L AS B)	09/24/69-09/25/70	1	2	
SACN0354	Yes	01022	BORON, TOTAL (UG/L AS B)	09/22/69-09/05/72	2	4	
SACN0366	Yes	01022	BORON, TOTAL (UG/L AS B)	09/24/69-09/25/70	1	2	
SACN0383	No	01022	BORON, TOTAL (UG/L AS B)	04/06/67-04/06/67	0	1	
SACN0388	Yes	01022	BORON, TOTAL (UG/L AS B)	11/13/74-09/08/81	6	27	
SACN0392	No	01022	BORON, TOTAL (UG/L AS B)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01022	BORON, TOTAL (UG/L AS B)	02/22/77-09/08/81	4	23	
SACN0432	No	01022	BORON, TOTAL (UG/L AS B)	10/10/73-10/10/73	0	1	
SACN0441	No	01022	BORON, TOTAL (UG/L AS B)	09/16/71-09/05/72	0	2	
SACN0443	No	01022	BORON, TOTAL (UG/L AS B)	02/24/77-09/03/81	4	24	
SACN0455	No	01022	BORON, TOTAL (UG/L AS B)	09/24/69-09/21/72	2	4	
SACN0246	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/74-02/24/86	11	38	
SACN0305	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/01/77-09/16/80	3	17	
SACN0393	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/22/77-09/08/81	4	17	
SACN0432	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/06/70-05/07/73	2	2	
SACN0443	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/24/77-09/03/81	4	18	
SACN0246	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	10/02/74-02/26/81	6	18	
SACN0305	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	02/01/77-08/06/79	2	16	
SACN0393	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	02/22/77-08/09/79	2	15	
SACN0443	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	02/24/77-08/31/79	2	16	
SACN0005	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/10/77-08/10/77	0	1	
SACN0016	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/03/78-08/03/78	0	2	
SACN0041	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	10/20/75-08/22/83	7	9	
SACN0068	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	10/20/75-08/22/83	7	9	
SACN0103	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/28/86-08/28/86	0	1	
SACN0111	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/23/77-02/26/79	1	24	
SACN0120	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/20/84-08/27/86	2	2	
SACN0123	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	10/23/75-08/24/83	7	9	
SACN0187	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	22	99	
SACN0209	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/03/82-06/01/83	0	2	
SACN0246	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/02/74-08/18/82	7	22	
SACN0251	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-07/21/77	6	60	
SACN0261	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/20/82-07/20/83	0	2	
SACN0305	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/22/75-08/23/83	7	10	
SACN0307	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/20/81-07/21/83	1	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0336	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/25/71	2	27	
SACN0354	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	22	103	
SACN0366	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/25/71	2	28	
SACN0373	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	12/03/74-12/03/74	0	2	
SACN0385	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	10/28/80-10/29/91	11	4	
SACN0388	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/74-09/08/81	6	27	
SACN0390	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/01/85-06/02/86	0	12	
SACN0392	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	02/22/77-09/08/81	4	23	
SACN0432	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/07/73-10/10/73	0	2	
SACN0441	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	20	64	
SACN0443	No	01027	CADMIUM, TOTAL (UG/L AS CD)	02/24/77-09/03/81	4	25	
SACN0444	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/19/77-06/02/86	9	38	
SACN0452	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/07/74-10/22/91	17	26	
SACN0455	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	7	81	
SACN0463	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/77-06/24/77	0	1	
SACN0468	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/77-06/24/77	0	1	
SACN0065	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/04/94-05/04/94	0	1	
SACN0083	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/04/94-05/04/94	0	1	
SACN0209	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/01/83-06/01/83	0	1	
SACN0354	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/78-06/06/78	0	1	
SACN0444	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/20/93-06/28/94	0	2	
SACN0065	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/04/94-05/04/94	0	1	
SACN0083	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/04/94-05/04/94	0	1	
SACN0209	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/01/83-06/01/83	0	1	
SACN0247	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/03/88-02/03/88	0	1	
SACN0248	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/02/88-02/02/88	0	1	
SACN0275	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/03/88-02/03/88	0	2	
SACN0285	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/02/88-02/02/88	0	1	
SACN0308	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/16/93-07/16/93	0	1	
SACN0332	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/16/93-07/16/93	0	1	
SACN0354	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/78-06/06/78	0	1	
SACN0444	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/20/93-06/28/94	0	2	
SACN0246	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/74-02/24/86	11	38	
SACN0305	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/01/77-09/16/80	3	17	
SACN0393	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/22/77-09/18/80	3	16	
SACN0432	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/06/70-05/07/73	2	2	
SACN0443	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/24/77-09/03/81	4	18	
SACN0246	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	10/02/74-08/18/82	7	21	
SACN0305	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	02/01/77-08/06/79	2	16	
SACN0393	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	02/22/77-08/09/79	2	15	
SACN0443	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	02/24/77-09/03/81	4	16	
SACN0187	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/22/69-09/29/71	2	3	
SACN0251	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/16/71-09/16/71	0	1	
SACN0336	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/24/69-09/25/70	1	2	
SACN0354	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/22/69-09/16/71	1	3	
SACN0366	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/24/69-09/24/69	0	1	
SACN0373	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	12/03/74-12/03/74	0	2	
SACN0388	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/16/80-09/16/80	0	1	
SACN0393	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/18/80-09/18/80	0	1	
SACN0432	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/06/70-05/07/73	2	2	
SACN0441	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/16/71-09/16/71	0	1	
SACN0443	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/18/80-09/03/81	0	2	
SACN0455	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/24/69-09/29/71	2	3	
SACN0005	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/10/77-08/10/77	0	1	
SACN0016	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/03/78-08/03/78	0	2	
SACN0041	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/20/75-08/22/83	7	9	
SACN0068	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/20/75-08/22/83	7	9	
SACN0103	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/28/86-08/28/86	0	1	
SACN0111	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/77-02/26/79	1	24	
SACN0120	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/20/84-08/27/86	2	2	
SACN0123	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/23/75-08/24/83	7	9	
SACN0187	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/22/69-10/22/91	22	15	
SACN0209	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/03/82-06/01/83	0	2	
SACN0246	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/02/74-08/18/82	7	22	
SACN0251	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/71-07/08/74	2	3	
SACN0261	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/20/81-07/20/83	1	4	
SACN0305	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/22/75-08/23/83	7	10	
SACN0307	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/20/81-07/21/83	1	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0336	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/24/69-09/25/70	1	2	
SACN0354	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/22/69-10/29/91	22	16	
SACN0366	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/24/69-09/24/69	0	1	
SACN0373	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/03/74-12/03/74	0	2	
SACN0385	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/28/80-10/29/91	11	5	
SACN0388	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/13/74-09/08/81	6	27	
SACN0390	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/01/85-06/02/86	0	12	
SACN0392	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	02/22/77-09/08/81	4	23	
SACN0432	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/10/73-10/10/73	0	1	
SACN0441	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/71-10/31/91	20	21	
SACN0443	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	02/24/77-09/03/81	4	24	
SACN0444	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/19/77-06/02/86	9	38	
SACN0452	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/74-10/22/91	17	3	
SACN0455	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/24/69-07/09/74	4	5	
SACN0463	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/77-06/24/77	0	1	
SACN0468	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/77-06/24/77	0	1	
SACN0246	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/74-02/24/86	11	38	
SACN0305	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	02/01/77-08/06/79	2	16	
SACN0393	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	02/22/77-08/09/79	2	15	
SACN0432	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/06/70-05/07/73	2	2	
SACN0443	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/24/77-08/31/79	2	16	
SACN0246	No	01036	COBALT, SUSPENDED (UG/L AS CO)	10/02/74-02/26/81	6	17	
SACN0305	No	01036	COBALT, SUSPENDED (UG/L AS CO)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	02/01/77-08/06/79	2	16	
SACN0393	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	02/22/77-08/09/79	2	15	
SACN0443	No	01036	COBALT, SUSPENDED (UG/L AS CO)	02/24/77-08/31/79	2	16	
SACN0041	Yes	01037	COBALT, TOTAL (UG/L AS CO)	10/20/75-08/22/83	7	9	
SACN0068	Yes	01037	COBALT, TOTAL (UG/L AS CO)	10/20/75-08/22/83	7	9	
SACN0103	No	01037	COBALT, TOTAL (UG/L AS CO)	08/28/86-08/28/86	0	1	
SACN0120	No	01037	COBALT, TOTAL (UG/L AS CO)	08/20/84-08/27/86	2	2	
SACN0123	No	01037	COBALT, TOTAL (UG/L AS CO)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01037	COBALT, TOTAL (UG/L AS CO)	10/23/75-08/24/83	7	9	
SACN0246	No	01037	COBALT, TOTAL (UG/L AS CO)	10/02/74-08/18/82	7	22	
SACN0305	No	01037	COBALT, TOTAL (UG/L AS CO)	10/22/75-08/23/83	7	10	
SACN0388	Yes	01037	COBALT, TOTAL (UG/L AS CO)	11/13/74-08/06/79	4	19	
SACN0393	Yes	01037	COBALT, TOTAL (UG/L AS CO)	02/22/77-08/09/79	2	15	
SACN0432	No	01037	COBALT, TOTAL (UG/L AS CO)	05/07/73-10/10/73	0	2	
SACN0443	No	01037	COBALT, TOTAL (UG/L AS CO)	02/24/77-08/31/79	2	16	
SACN0085	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/13/81-01/14/86	4	73	
SACN0246	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/74-02/24/86	11	38	
SACN0305	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	11/13/74-09/16/80	5	20	
SACN0393	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	02/22/77-09/08/81	4	17	
SACN0432	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/07/73-10/10/73	0	2	
SACN0443	No	01040	COPPER, DISSOLVED (UG/L AS CU)	02/24/77-09/03/81	4	18	
SACN0246	No	01041	COPPER, SUSPENDED (UG/L AS CU)	10/02/74-08/18/82	7	20	
SACN0305	No	01041	COPPER, SUSPENDED (UG/L AS CU)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	11/13/74-08/06/79	4	19	
SACN0393	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	02/22/77-09/08/81	4	16	
SACN0432	No	01041	COPPER, SUSPENDED (UG/L AS CU)	10/10/73-10/10/73	0	1	
SACN0443	No	01041	COPPER, SUSPENDED (UG/L AS CU)	02/24/77-09/03/81	4	17	
SACN0005	No	01042	COPPER, TOTAL (UG/L AS CU)	08/10/77-08/10/77	0	1	
SACN0007	No	01042	COPPER, TOTAL (UG/L AS CU)	07/14/92-07/14/92	0	1	
SACN0016	No	01042	COPPER, TOTAL (UG/L AS CU)	08/03/78-08/03/78	0	2	
SACN0017	No	01042	COPPER, TOTAL (UG/L AS CU)	07/14/92-07/14/92	0	1	
SACN0041	Yes	01042	COPPER, TOTAL (UG/L AS CU)	10/20/75-08/22/83	7	8	
SACN0068	Yes	01042	COPPER, TOTAL (UG/L AS CU)	10/20/75-08/22/83	7	8	
SACN0103	No	01042	COPPER, TOTAL (UG/L AS CU)	08/28/86-08/28/86	0	1	
SACN0111	No	01042	COPPER, TOTAL (UG/L AS CU)	03/23/77-02/26/79	1	24	
SACN0120	No	01042	COPPER, TOTAL (UG/L AS CU)	08/20/84-08/27/86	2	2	
SACN0123	No	01042	COPPER, TOTAL (UG/L AS CU)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01042	COPPER, TOTAL (UG/L AS CU)	10/23/75-08/24/83	7	8	
SACN0187	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	22	102	
SACN0209	No	01042	COPPER, TOTAL (UG/L AS CU)	06/03/82-06/01/83	0	2	
SACN0228	No	01042	COPPER, TOTAL (UG/L AS CU)	08/19/86-08/19/86	0	2	
SACN0246	No	01042	COPPER, TOTAL (UG/L AS CU)	10/02/74-08/18/82	7	22	
SACN0251	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	6	61	
SACN0261	No	01042	COPPER, TOTAL (UG/L AS CU)	10/20/82-07/20/83	0	2	
SACN0305	No	01042	COPPER, TOTAL (UG/L AS CU)	10/22/75-08/23/83	7	9	
SACN0307	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/20/81-07/21/83	1	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0336	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/25/71	2	27	
SACN0354	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	22	105	T
SACN0366	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/25/71	2	28	
SACN0373	Yes	01042	COPPER, TOTAL (UG/L AS CU)	12/03/74-12/03/74	0	2	
SACN0385	Yes	01042	COPPER, TOTAL (UG/L AS CU)	10/28/80-10/29/91	11	5	
SACN0388	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/13/74-09/08/81	6	27	
SACN0390	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/01/85-06/02/86	0	12	
SACN0392	No	01042	COPPER, TOTAL (UG/L AS CU)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01042	COPPER, TOTAL (UG/L AS CU)	02/22/77-09/08/81	4	23	
SACN0432	No	01042	COPPER, TOTAL (UG/L AS CU)	05/07/73-10/10/73	0	2	
SACN0441	No	01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	20	66	
SACN0443	No	01042	COPPER, TOTAL (UG/L AS CU)	02/24/77-09/03/81	4	25	
SACN0444	No	01042	COPPER, TOTAL (UG/L AS CU)	01/19/77-06/02/86	9	38	
SACN0452	No	01042	COPPER, TOTAL (UG/L AS CU)	06/07/74-10/22/91	17	27	
SACN0455	No	01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	7	82	
SACN0463	No	01042	COPPER, TOTAL (UG/L AS CU)	06/24/77-06/24/77	0	1	
SACN0468	No	01042	COPPER, TOTAL (UG/L AS CU)	06/24/77-06/24/77	0	1	
SACN0065	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/04/94-05/04/94	0	1	
SACN0083	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/04/94-05/04/94	0	1	
SACN0209	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/01/83-06/01/83	0	1	
SACN0308	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/16/93-07/16/93	0	1	
SACN0332	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/16/93-07/16/93	0	1	
SACN0354	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/06/78-06/06/78	0	1	
SACN0444	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/24/87-06/28/94	6	9	
SACN0103	No	01044	IRON, SUSPENDED (UG/L AS FE)	08/28/86-08/28/86	0	1	
SACN0120	No	01044	IRON, SUSPENDED (UG/L AS FE)	08/27/86-08/27/86	0	1	
SACN0123	No	01044	IRON, SUSPENDED (UG/L AS FE)	08/27/86-08/27/86	0	1	
SACN0246	No	01044	IRON, SUSPENDED (UG/L AS FE)	10/21/77-08/18/82	4	16	
SACN0388	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	08/04/77-08/06/79	2	13	
SACN0393	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	08/09/78-09/08/81	3	7	
SACN0443	No	01044	IRON, SUSPENDED (UG/L AS FE)	06/05/78-09/03/81	3	8	
SACN0004	No	01045	IRON, TOTAL (UG/L AS FE)	07/27/78-08/14/78	0	3	
SACN0005	No	01045	IRON, TOTAL (UG/L AS FE)	08/10/77-08/10/77	0	1	
SACN0007	No	01045	IRON, TOTAL (UG/L AS FE)	07/14/92-07/14/92	0	1	
SACN0016	No	01045	IRON, TOTAL (UG/L AS FE)	08/03/78-08/03/78	0	2	
SACN0017	No	01045	IRON, TOTAL (UG/L AS FE)	07/14/92-07/14/92	0	1	
SACN0041	Yes	01045	IRON, TOTAL (UG/L AS FE)	10/20/75-08/22/83	7	8	
SACN0068	Yes	01045	IRON, TOTAL (UG/L AS FE)	10/20/75-08/22/83	7	8	
SACN0103	No	01045	IRON, TOTAL (UG/L AS FE)	08/28/86-08/28/86	0	1	
SACN0120	No	01045	IRON, TOTAL (UG/L AS FE)	08/20/84-08/27/86	2	2	
SACN0123	No	01045	IRON, TOTAL (UG/L AS FE)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01045	IRON, TOTAL (UG/L AS FE)	10/23/75-08/24/83	7	8	
SACN0187	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	22	87	
SACN0228	No	01045	IRON, TOTAL (UG/L AS FE)	10/11/94-10/11/94	0	1	
SACN0246	No	01045	IRON, TOTAL (UG/L AS FE)	06/03/68-08/18/82	14	23	
SACN0248	No	01045	IRON, TOTAL (UG/L AS FE)	10/11/94-10/11/94	0	1	
SACN0251	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/16/71-07/21/77	5	57	
SACN0261	No	01045	IRON, TOTAL (UG/L AS FE)	08/20/81-07/20/83	1	4	
SACN0305	No	01045	IRON, TOTAL (UG/L AS FE)	10/22/75-08/23/83	7	9	
SACN0307	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/20/81-07/21/83	1	3	
SACN0336	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/25/71	2	27	
SACN0354	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	22	89	
SACN0366	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/25/71	2	28	
SACN0373	Yes	01045	IRON, TOTAL (UG/L AS FE)	12/03/74-12/03/74	0	2	
SACN0385	Yes	01045	IRON, TOTAL (UG/L AS FE)	10/29/91-10/29/91	0	1	
SACN0388	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/13/74-09/08/81	6	27	
SACN0392	No	01045	IRON, TOTAL (UG/L AS FE)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01045	IRON, TOTAL (UG/L AS FE)	02/22/77-09/08/81	4	23	
SACN0432	No	01045	IRON, TOTAL (UG/L AS FE)	05/07/73-10/10/73	0	2	
SACN0441	No	01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	20	57	
SACN0443	No	01045	IRON, TOTAL (UG/L AS FE)	02/24/77-09/03/81	4	25	
SACN0452	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/74-10/22/91	17	26	
SACN0455	No	01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	7	80	
SACN0463	No	01045	IRON, TOTAL (UG/L AS FE)	06/24/77-06/24/77	0	1	
SACN0468	No	01045	IRON, TOTAL (UG/L AS FE)	06/24/77-06/24/77	0	1	
SACN0041	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/20/75-08/26/85	9	12	
SACN0067	No	01046	IRON, DISSOLVED (UG/L AS FE)	02/05/76-04/01/76	0	2	
SACN0068	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/20/75-08/26/85	9	12	
SACN0085	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/13/81-11/13/86	5	274	
SACN0103	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/28/86-08/28/86	0	1	
SACN0120	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/20/84-08/27/86	2	2	
SACN0123	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/20/84-08/27/86	2	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0151	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/23/75-08/27/85	9	12	
SACN0220	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/90-08/20/92	2	166	
SACN0246	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/02/74-02/24/86	11	38	
SACN0305	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/22/75-03/31/78	2	12	
SACN0313	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/27/85-08/27/85	0	1	
SACN0388	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	11/13/74-09/16/80	5	20	
SACN0393	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	02/22/77-09/08/81	4	17	
SACN0411	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/05/80-11/05/80	0	1	
SACN0416	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/05/80-11/05/80	0	1	
SACN0419	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/05/80-11/05/80	0	1	
SACN0432	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/07/73-10/10/73	0	2	
SACN0443	No	01046	IRON, DISSOLVED (UG/L AS FE)	02/24/77-09/03/81	4	18	
SACN0085	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/13/81-01/14/86	4	73	
SACN0246	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/74-02/24/86	11	38	
SACN0305	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	02/01/77-09/16/80	3	17	
SACN0393	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	02/22/77-09/08/81	4	17	
SACN0432	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/06/70-05/07/73	2	2	
SACN0443	No	01049	LEAD, DISSOLVED (UG/L AS PB)	02/24/77-09/03/81	4	18	
SACN0246	No	01050	LEAD, SUSPENDED (UG/L AS PB)	10/02/74-08/18/82	7	21	
SACN0305	No	01050	LEAD, SUSPENDED (UG/L AS PB)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	02/01/77-08/06/79	2	16	
SACN0393	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	02/22/77-09/08/81	4	16	
SACN0443	No	01050	LEAD, SUSPENDED (UG/L AS PB)	02/24/77-08/31/79	2	16	
SACN0005	No	01051	LEAD, TOTAL (UG/L AS PB)	08/10/77-08/10/77	0	1	
SACN0016	No	01051	LEAD, TOTAL (UG/L AS PB)	08/03/78-08/03/78	0	2	
SACN0041	Yes	01051	LEAD, TOTAL (UG/L AS PB)	10/20/75-08/22/83	7	9	
SACN0068	Yes	01051	LEAD, TOTAL (UG/L AS PB)	10/20/75-08/22/83	7	9	
SACN0103	No	01051	LEAD, TOTAL (UG/L AS PB)	08/28/86-08/28/86	0	1	
SACN0111	No	01051	LEAD, TOTAL (UG/L AS PB)	05/02/77-02/26/79	1	23	
SACN0120	No	01051	LEAD, TOTAL (UG/L AS PB)	08/20/84-08/27/86	2	2	
SACN0123	No	01051	LEAD, TOTAL (UG/L AS PB)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01051	LEAD, TOTAL (UG/L AS PB)	10/23/75-08/24/83	7	9	
SACN0187	Yes	01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	22	91	
SACN0209	No	01051	LEAD, TOTAL (UG/L AS PB)	06/03/82-06/01/83	0	2	
SACN0246	No	01051	LEAD, TOTAL (UG/L AS PB)	10/02/74-08/18/82	7	22	
SACN0251	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-07/21/77	4	51	
SACN0261	No	01051	LEAD, TOTAL (UG/L AS PB)	10/20/82-07/20/83	0	2	
SACN0305	No	01051	LEAD, TOTAL (UG/L AS PB)	10/22/75-08/23/83	7	10	
SACN0307	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/20/81-07/21/83	1	2	
SACN0336	Yes	01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-04/23/71	2	25	
SACN0354	Yes	01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	22	94	
SACN0366	Yes	01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-04/23/71	2	26	
SACN0373	Yes	01051	LEAD, TOTAL (UG/L AS PB)	12/03/74-12/03/74	0	2	
SACN0385	Yes	01051	LEAD, TOTAL (UG/L AS PB)	10/28/80-10/29/91	11	5	
SACN0388	Yes	01051	LEAD, TOTAL (UG/L AS PB)	11/13/74-09/08/81	6	27	
SACN0390	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/01/85-06/02/86	0	12	
SACN0392	No	01051	LEAD, TOTAL (UG/L AS PB)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01051	LEAD, TOTAL (UG/L AS PB)	02/22/77-09/08/81	4	23	
SACN0432	No	01051	LEAD, TOTAL (UG/L AS PB)	05/07/73-10/10/73	0	2	
SACN0441	No	01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	19	58	
SACN0443	No	01051	LEAD, TOTAL (UG/L AS PB)	02/24/77-09/03/81	4	25	
SACN0444	No	01051	LEAD, TOTAL (UG/L AS PB)	02/16/78-06/02/86	8	25	
SACN0452	No	01051	LEAD, TOTAL (UG/L AS PB)	06/07/74-10/22/91	17	27	
SACN0455	No	01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	7	72	
SACN0463	No	01051	LEAD, TOTAL (UG/L AS PB)	06/24/77-06/24/77	0	1	
SACN0468	No	01051	LEAD, TOTAL (UG/L AS PB)	06/24/77-06/24/77	0	1	
SACN0065	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/04/94-05/04/94	0	1	
SACN0083	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/04/94-05/04/94	0	1	
SACN0209	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/01/83-06/01/83	0	1	
SACN0247	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	02/03/88-02/03/88	0	1	
SACN0248	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	02/02/88-06/19/92	4	5	
SACN0275	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	02/03/88-02/03/88	0	2	
SACN0285	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	02/02/88-02/02/88	0	1	
SACN0308	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/16/93-07/16/93	0	1	
SACN0332	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/16/93-07/16/93	0	1	
SACN0354	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/06/78-06/06/78	0	1	
SACN0444	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/24/87-06/28/94	6	9	
SACN0444	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/24/87-06/28/94	6	9	
SACN0103	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/28/86-08/28/86	0	1	
SACN0120	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/27/86-08/27/86	0	1	
SACN0123	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/27/86-08/27/86	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0246	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	10/02/74-08/18/82	7	22	
SACN0305	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/06/77-08/03/77	0	2	
SACN0388	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	11/13/74-08/06/79	4	19	
SACN0393	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	02/22/77-09/08/81	4	16	
SACN0432	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	10/10/73-10/10/73	0	1	
SACN0443	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	02/24/77-09/03/81	4	16	
SACN0001	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/79-07/09/79	0	2	
SACN0005	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/10/77-08/10/77	0	1	
SACN0007	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/92-07/14/92	0	1	
SACN0012	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/79-07/09/79	0	2	
SACN0014	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/79-07/09/79	0	2	
SACN0016	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/78-08/03/78	0	2	
SACN0017	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/92-07/14/92	0	1	
SACN0029	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/79-07/09/79	0	1	
SACN0030	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/06/79-07/06/79	0	2	
SACN0039	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/79-07/21/79	0	2	
SACN0041	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	10/20/75-08/22/83	7	8	
SACN0044	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/79-07/20/79	0	1	
SACN0045	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/16/79-07/16/79	0	2	
SACN0054	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/79-07/24/79	0	2	
SACN0055	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/79-07/15/79	0	1	
SACN0061	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/79-07/26/79	0	1	
SACN0068	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/68-08/22/83	15	9	
SACN0070	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	0	1	
SACN0071	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	0	2	
SACN0072	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/79-07/26/79	0	2	
SACN0074	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	0	1	
SACN0077	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	0	1	
SACN0078	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	0	2	
SACN0079	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/79-07/26/79	0	2	
SACN0080	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/12/93-04/20/94	0	3	
SACN0087	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	0	1	
SACN0094	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/79-07/18/79	0	1	
SACN0095	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	0	1	
SACN0098	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	0	1	
SACN0103	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/86-08/28/86	0	1	
SACN0104	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/28/86-04/28/94	7	16	
SACN0106	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	0	1	
SACN0107	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/79-08/12/79	0	2	
SACN0113	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/79-08/12/79	0	1	
SACN0120	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/20/84-08/27/86	2	2	
SACN0123	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/20/84-08/27/86	2	2	
SACN0125	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	0	2	
SACN0126	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/79-08/12/79	0	1	
SACN0135	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	0	1	
SACN0137	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	0	1	
SACN0138	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/79-08/12/79	0	2	
SACN0139	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	0	3	
SACN0141	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	0	4	
SACN0143	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	0	2	
SACN0145	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	0	2	
SACN0149	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	0	1	
SACN0151	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/05/68-08/24/83	15	9	
SACN0152	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	0	1	
SACN0153	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	0	2	
SACN0154	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	0	1	
SACN0155	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	0	2	
SACN0156	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	0	2	
SACN0158	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	0	1	
SACN0162	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	0	2	
SACN0163	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	0	1	
SACN0165	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	0	1	
SACN0168	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/79-08/16/79	0	2	
SACN0170	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/79-08/16/79	0	2	
SACN0173	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/79-08/16/79	0	1	
SACN0187	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	22	88	
SACN0205	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/68-06/06/68	0	1	
SACN0209	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/82-06/01/83	0	2	
SACN0216	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/09/79-08/09/79	0	1	
SACN0219	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/09/79-08/09/79	0	2	
SACN0220	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/21/92-08/03/92	0	3	
SACN0221	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/28/93-10/28/93	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0222	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/28/93-10/28/93	0	1	
SACN0226	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/68-06/07/68	0	1	
SACN0228	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/08/87-10/11/94	7	15	
SACN0231	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/79-08/28/79	0	2	
SACN0238	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/79-08/07/79	0	1	
SACN0242	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/09/79-08/09/79	0	1	
SACN0244	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/93-10/05/93	0	1	
SACN0246	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/68-08/18/82	14	23	
SACN0248	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/86-10/11/94	8	18	
SACN0251	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-07/21/77	5	58	
SACN0261	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/20/81-07/20/83	1	4	
SACN0267	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/79-08/07/79	0	1	
SACN0268	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/79-08/07/79	0	1	
SACN0269	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/79-08/28/79	0	1	
SACN0286	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/79-08/07/79	0	1	
SACN0290	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/03/93-11/18/93	0	2	
SACN0292	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/93-10/05/93	0	1	
SACN0295	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/79-08/28/79	0	2	
SACN0296	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/93-10/05/93	0	1	
SACN0305	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/25/66-08/23/83	16	11	
SACN0307	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/20/81-07/21/83	1	3	
SACN0316	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/68-06/07/68	0	1	
SACN0322	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/79-08/28/79	0	2	
SACN0333	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/79-08/28/79	0	1	
SACN0336	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/25/71	2	26	
SACN0354	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	22	89	
SACN0366	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/25/71	2	28	
SACN0373	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	12/03/74-12/03/74	0	2	
SACN0385	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	10/29/91-10/29/91	0	1	
SACN0388	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/74-09/08/81	6	27	
SACN0392	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	02/22/77-09/08/81	4	23	
SACN0432	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/07/73-10/10/73	0	2	
SACN0441	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	20	57	
SACN0443	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/24/77-09/03/81	4	24	
SACN0451	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/05/67-09/05/67	0	1	
SACN0452	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/74-10/22/91	17	26	
SACN0455	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	7	79	
SACN0463	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/77-06/24/77	0	1	
SACN0468	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/77-06/24/77	0	1	
SACN0008	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/01/84-11/01/84	0	1	
SACN0019	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/01/84-11/01/84	0	1	
SACN0041	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/20/75-08/26/85	9	12	
SACN0059	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/04/84-11/04/84	0	1	
SACN0064	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/04/84-11/04/84	0	1	
SACN0067	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/76-04/01/76	0	2	
SACN0068	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/20/75-08/26/85	9	12	
SACN0085	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/13/81-11/13/86	5	271	
SACN0103	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/28/86-08/28/86	0	1	
SACN0112	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/03/84-11/03/84	0	1	
SACN0118	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/03/84-11/03/84	0	1	
SACN0120	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/20/84-08/27/86	2	2	
SACN0123	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/20/84-08/27/86	2	2	
SACN0146	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/03/84-11/03/84	0	1	
SACN0151	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/75-08/27/85	9	12	
SACN0157	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/28/84-10/28/84	0	1	
SACN0171	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/28/84-10/28/84	0	1	
SACN0220	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/90-08/20/92	2	166	
SACN0246	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/02/74-02/24/86	11	38	
SACN0266	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/28/84-10/28/84	0	1	
SACN0305	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/22/75-03/31/78	2	12	
SACN0313	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/27/85-08/27/85	0	1	
SACN0388	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/13/74-09/16/80	5	20	
SACN0393	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/22/77-09/08/81	4	17	
SACN0411	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/05/80-11/05/80	0	1	
SACN0416	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/05/80-11/05/80	0	1	
SACN0419	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/05/80-11/05/80	0	1	
SACN0432	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/07/73-10/10/73	0	2	
SACN0443	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/24/77-09/03/81	4	18	
SACN0246	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/02/82-02/24/86	3	16	
SACN0432	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	05/07/73-05/07/73	0	1	
SACN0103	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/28/86-08/28/86	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0120	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/20/84-08/27/86	2	2	
SACN0123	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/20/84-08/27/86	2	2	
SACN0305	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	11/13/74-09/08/81	6	27	
SACN0393	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/22/77-09/08/81	4	23	
SACN0432	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	10/10/73-10/10/73	0	1	
SACN0443	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/24/77-09/03/81	4	25	
SACN0120	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/20/84-08/20/84	0	1	
SACN0123	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/20/84-08/20/84	0	1	
SACN0246	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/10/79-02/24/86	6	24	
SACN0305	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	02/01/77-09/16/80	3	17	
SACN0393	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	02/22/77-09/08/81	4	17	
SACN0432	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/07/73-05/07/73	0	1	
SACN0443	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	02/24/77-09/18/80	3	17	
SACN0246	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	10/10/79-08/18/82	2	6	
SACN0305	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	02/01/77-08/06/79	2	16	
SACN0393	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	02/22/77-09/08/81	4	16	
SACN0443	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	02/24/77-08/31/79	2	16	
SACN0041	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	10/20/75-08/22/83	7	9	
SACN0068	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	10/20/75-08/22/83	7	9	
SACN0103	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/28/86-08/28/86	0	1	
SACN0120	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/20/84-08/27/86	2	2	
SACN0123	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	10/23/75-08/24/83	7	9	
SACN0187	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	17	97	
SACN0246	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/10/79-08/18/82	2	8	
SACN0251	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	6	61	
SACN0305	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/22/75-08/23/83	7	10	
SACN0336	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/25/71	2	27	
SACN0354	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	17	99	
SACN0366	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/25/71	2	28	
SACN0373	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	12/03/74-12/03/74	0	2	
SACN0385	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	10/28/80-06/28/83	2	3	
SACN0388	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	11/13/74-09/08/81	6	27	
SACN0392	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	02/22/77-09/08/81	4	23	
SACN0432	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/07/73-10/10/73	0	2	
SACN0441	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	15	61	
SACN0443	No	01067	NICKEL, TOTAL (UG/L AS NI)	02/24/77-09/03/81	4	25	
SACN0452	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/07/74-06/18/76	2	25	
SACN0455	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	7	82	
SACN0463	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/24/77-06/24/77	0	1	
SACN0468	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/24/77-06/24/77	0	1	
SACN0209	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/01/83-06/01/83	0	1	
SACN0354	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/78-06/06/78	0	1	
SACN0209	No	01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	07/29/82-07/29/82	0	2	
SACN0246	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/77-02/24/86	8	32	
SACN0305	No	01075	SILVER, DISSOLVED (UG/L AS AG)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	02/01/77-09/16/80	3	17	
SACN0393	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	02/22/77-09/08/81	4	17	
SACN0432	No	01075	SILVER, DISSOLVED (UG/L AS AG)	05/07/73-05/07/73	0	1	
SACN0443	No	01075	SILVER, DISSOLVED (UG/L AS AG)	02/24/77-09/03/81	4	18	
SACN0246	No	01076	SILVER, SUSPENDED (UG/L AS AG)	10/21/77-02/26/81	3	13	
SACN0305	No	01076	SILVER, SUSPENDED (UG/L AS AG)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01076	SILVER, SUSPENDED (UG/L AS AG)	02/01/77-08/06/79	2	15	
SACN0393	Yes	01076	SILVER, SUSPENDED (UG/L AS AG)	02/22/77-08/09/79	2	15	
SACN0443	No	01076	SILVER, SUSPENDED (UG/L AS AG)	02/24/77-08/31/79	2	15	
SACN0005	No	01077	SILVER, TOTAL (UG/L AS AG)	08/10/77-08/10/77	0	1	
SACN0016	No	01077	SILVER, TOTAL (UG/L AS AG)	08/03/78-08/03/78	0	2	
SACN0041	Yes	01077	SILVER, TOTAL (UG/L AS AG)	10/20/75-08/22/83	7	8	
SACN0068	Yes	01077	SILVER, TOTAL (UG/L AS AG)	10/20/75-08/22/83	7	8	
SACN0103	No	01077	SILVER, TOTAL (UG/L AS AG)	08/28/86-08/28/86	0	1	
SACN0120	No	01077	SILVER, TOTAL (UG/L AS AG)	08/20/84-08/27/86	2	2	
SACN0123	No	01077	SILVER, TOTAL (UG/L AS AG)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01077	SILVER, TOTAL (UG/L AS AG)	10/23/75-08/24/83	7	8	
SACN0187	Yes	01077	SILVER, TOTAL (UG/L AS AG)	09/22/69-09/21/72	2	4	
SACN0246	No	01077	SILVER, TOTAL (UG/L AS AG)	10/21/77-08/18/82	4	18	
SACN0251	Yes	01077	SILVER, TOTAL (UG/L AS AG)	09/16/71-09/05/72	0	2	
SACN0261	No	01077	SILVER, TOTAL (UG/L AS AG)	08/20/81-07/20/83	1	3	
SACN0305	No	01077	SILVER, TOTAL (UG/L AS AG)	10/22/75-08/23/83	7	9	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0307	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/20/81-07/21/83	1	3	
SACN0336	Yes	01077	SILVER, TOTAL (UG/L AS AG)	09/24/69-09/25/70	1	2	
SACN0354	Yes	01077	SILVER, TOTAL (UG/L AS AG)	09/22/69-09/05/72	2	4	
SACN0366	Yes	01077	SILVER, TOTAL (UG/L AS AG)	09/24/69-09/25/70	1	2	
SACN0373	Yes	01077	SILVER, TOTAL (UG/L AS AG)	12/03/74-12/03/74	0	2	
SACN0388	Yes	01077	SILVER, TOTAL (UG/L AS AG)	11/13/74-09/08/81	6	26	
SACN0393	Yes	01077	SILVER, TOTAL (UG/L AS AG)	02/22/77-09/08/81	4	23	
SACN0432	No	01077	SILVER, TOTAL (UG/L AS AG)	05/07/73-10/10/73	0	2	
SACN0441	No	01077	SILVER, TOTAL (UG/L AS AG)	09/16/71-09/05/72	0	2	
SACN0443	No	01077	SILVER, TOTAL (UG/L AS AG)	02/24/77-09/03/81	4	24	
SACN0455	No	01077	SILVER, TOTAL (UG/L AS AG)	09/24/69-09/21/72	2	4	
SACN0103	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/28/86-08/28/86	0	1	
SACN0120	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/84-08/27/86	2	2	
SACN0123	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/84-08/27/86	2	2	
SACN0246	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/02/82-02/24/86	3	16	
SACN0388	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/13/74-09/15/76	1	3	
SACN0432	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	05/07/73-10/10/73	0	2	
SACN0388	Yes	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	11/13/74-09/15/76	1	2	
SACN0432	No	01081	STRONTIUM, SUSPENDED (UG/L AS SR)	10/10/73-10/10/73	0	1	
SACN0388	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	11/13/74-09/15/76	1	2	
SACN0432	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	10/10/73-10/10/73	0	1	
SACN0246	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	11/02/82-02/24/86	3	16	
SACN0388	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	10/22/75-09/15/76	0	2	
SACN0432	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	05/07/73-05/07/73	0	1	
SACN0432	No	01087	VANADIUM, TOTAL (UG/L AS V)	10/10/73-10/10/73	0	1	
SACN0085	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/13/81-01/14/86	4	73	
SACN0246	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/74-02/24/86	11	38	
SACN0305	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/13/74-09/16/80	5	20	
SACN0393	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	02/22/77-09/08/81	4	17	
SACN0432	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/06/70-10/10/73	3	3	
SACN0443	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	02/24/77-09/03/81	4	18	
SACN0246	No	01091	ZINC, SUSPENDED (UG/L ZN)	10/02/74-02/01/82	7	19	
SACN0305	No	01091	ZINC, SUSPENDED (UG/L ZN)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	11/13/74-08/06/79	4	19	
SACN0393	Yes	01091	ZINC, SUSPENDED (UG/L ZN)	02/22/77-08/09/79	2	15	
SACN0443	No	01091	ZINC, SUSPENDED (UG/L ZN)	02/24/77-08/31/79	2	15	
SACN0005	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/10/77-08/10/77	0	1	
SACN0007	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/14/92-07/14/92	0	1	
SACN0016	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/03/78-08/03/78	0	2	
SACN0017	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/14/92-07/14/92	0	1	
SACN0041	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	10/20/75-08/22/83	7	9	
SACN0068	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	10/20/75-08/22/83	7	9	
SACN0103	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/28/86-08/28/86	0	1	
SACN0120	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/20/84-08/27/86	2	2	
SACN0123	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	10/23/75-08/24/83	7	9	
SACN0187	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	22	100	
SACN0246	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/02/74-08/18/82	7	22	
SACN0251	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	6	61	
SACN0261	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/20/81-07/20/83	1	4	
SACN0305	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/22/75-08/23/83	7	10	
SACN0307	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	08/20/81-07/21/83	1	3	
SACN0336	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/25/71	2	26	
SACN0354	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	22	102	
SACN0366	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/25/71	2	28	
SACN0373	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	12/03/74-12/03/74	0	2	
SACN0385	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	10/28/80-10/29/91	11	5	
SACN0388	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/13/74-09/08/81	6	27	
SACN0390	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/01/85-07/01/85	0	1	
SACN0392	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	02/22/77-09/08/81	4	23	
SACN0432	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/07/73-05/07/73	0	1	
SACN0441	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	20	64	
SACN0443	No	01092	ZINC, TOTAL (UG/L AS ZN)	02/24/77-09/03/81	4	24	
SACN0444	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/01/85-07/01/85	0	1	
SACN0452	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/07/74-10/22/91	17	27	
SACN0455	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	7	82	
SACN0463	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/24/77-06/24/77	0	1	
SACN0468	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/24/77-06/24/77	0	1	
SACN0354	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/06/78-06/06/78	0	1	
SACN0120	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	08/20/84-08/20/84	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0123	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	08/20/84-08/20/84	0	1	
SACN0005	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/10/77-08/10/77	0	1	
SACN0007	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/14/92-07/14/92	0	1	
SACN0008	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/01/84-11/01/84	0	1	
SACN0016	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/78-08/03/78	0	2	
SACN0017	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/14/92-07/14/92	0	1	
SACN0019	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/01/84-11/01/84	0	1	
SACN0059	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/04/84-11/04/84	0	1	
SACN0064	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/04/84-11/04/84	0	1	
SACN0103	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/28/86-08/28/86	0	1	
SACN0112	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/03/84-11/03/84	0	1	
SACN0118	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/03/84-11/03/84	0	1	
SACN0120	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/20/84-08/27/86	2	2	
SACN0123	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/20/84-08/27/86	2	2	
SACN0146	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/03/84-11/03/84	0	1	
SACN0157	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/28/84-10/28/84	0	1	
SACN0171	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/28/84-10/28/84	0	1	
SACN0187	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/88-10/22/91	3	4	
SACN0209	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/08/82-05/31/84	2	16	
SACN0266	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/28/84-10/28/84	0	1	
SACN0305	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/06/77-06/06/77	0	1	
SACN0354	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/27/88-10/29/91	3	4	
SACN0373	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/03/74-12/03/74	0	2	
SACN0385	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/91-10/29/91	0	2	
SACN0388	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/13/74-08/06/79	4	19	
SACN0392	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/11/80-08/11/80	0	2	
SACN0393	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/22/77-08/09/79	2	15	
SACN0413	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/06/80-05/06/80	0	1	
SACN0417	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/06/80-05/06/80	0	1	
SACN0418	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/06/80-05/06/80	0	1	
SACN0432	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/73-10/10/73	0	2	
SACN0441	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/88-10/31/91	3	4	
SACN0443	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/24/77-08/31/79	2	16	
SACN0451	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/05/67-09/05/67	0	1	
SACN0452	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/91-10/22/91	0	2	
SACN0085	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/13/81-11/13/86	5	155	
SACN0246	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/02/82-02/24/86	3	16	
SACN0305	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/13/74-08/06/79	4	19	
SACN0393	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	02/22/77-08/09/79	2	15	
SACN0432	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/07/73-10/10/73	0	2	
SACN0443	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	02/24/77-08/31/79	2	16	
SACN0305	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	11/13/74-08/06/79	4	19	
SACN0393	Yes	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	02/22/77-08/09/79	2	15	
SACN0432	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	10/10/73-10/10/73	0	1	
SACN0443	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	02/24/77-08/31/79	2	16	
SACN0209	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	06/01/83-06/01/83	0	1	
SACN0246	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/02/82-02/24/86	3	16	
SACN0432	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	05/07/73-05/07/73	0	1	
SACN0388	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	11/13/74-09/15/76	1	3	
SACN0432	No	01132	LITHIUM, TOTAL (UG/L AS LI)	10/10/73-10/10/73	0	1	
SACN0246	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/02/74-02/24/86	11	38	
SACN0305	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/01/77-09/16/80	3	17	
SACN0393	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/22/77-09/08/81	4	17	
SACN0432	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/07/73-05/07/73	0	1	
SACN0443	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/24/77-09/03/81	4	18	
SACN0246	No	01146	SELENIUM, SUSPENDED (UG/L AS SE)	10/02/74-02/26/81	6	18	
SACN0305	No	01146	SELENIUM, SUSPENDED (UG/L AS SE)	06/06/77-06/06/77	0	1	
SACN0388	Yes	01146	SELENIUM, SUSPENDED (UG/L AS SE)	02/01/77-08/06/79	2	16	
SACN0393	Yes	01146	SELENIUM, SUSPENDED (UG/L AS SE)	02/22/77-08/09/79	2	15	
SACN0443	No	01146	SELENIUM, SUSPENDED (UG/L AS SE)	02/24/77-08/31/79	2	16	
SACN0016	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/03/78-08/03/78	0	2	
SACN0041	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	10/20/75-08/22/83	7	9	
SACN0068	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	10/20/75-08/22/83	7	9	
SACN0103	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/28/86-08/28/86	0	1	
SACN0120	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/20/84-08/27/86	2	2	
SACN0123	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/20/84-08/27/86	2	2	
SACN0151	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	10/23/75-08/24/83	7	9	
SACN0187	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/01/90	20	49	
SACN0246	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/02/74-08/18/82	7	21	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0251	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	07/19/71-04/22/76	4	40	
SACN0261	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/20/81-07/20/83	1	4	
SACN0305	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/22/75-08/23/83	7	10	
SACN0307	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/20/81-07/21/83	1	3	
SACN0336	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	09/24/69-06/25/71	1	8	
SACN0354	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/30/90	20	50	
SACN0366	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	09/24/69-06/25/71	1	8	
SACN0388	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	11/13/74-09/08/81	6	27	
SACN0393	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	02/22/77-09/08/81	4	23	
SACN0432	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/10/73-10/10/73	0	1	
SACN0441	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/19/71-05/29/90	18	39	
SACN0443	No	01147	SELENIUM, TOTAL (UG/L AS SE)	02/24/77-09/03/81	4	25	
SACN0452	No	01147	SELENIUM, TOTAL (UG/L AS SE)	06/07/74-04/22/76	1	9	
SACN0455	No	01147	SELENIUM, TOTAL (UG/L AS SE)	09/24/69-04/19/76	6	45	
SACN0065	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/04/94-05/04/94	0	1	
SACN0083	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/04/94-05/04/94	0	1	
SACN0308	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	07/16/93-07/16/93	0	1	
SACN0332	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	07/16/93-07/16/93	0	1	
SACN0187	Yes	01501	ALPHA, TOTAL	09/25/70-07/08/74	3	4	
SACN0251	Yes	01501	ALPHA, TOTAL	09/16/71-07/08/74	2	3	
SACN0336	Yes	01501	ALPHA, TOTAL	09/25/70-09/25/70	0	1	
SACN0354	Yes	01501	ALPHA, TOTAL	01/13/70-07/15/74	4	27	
SACN0366	Yes	01501	ALPHA, TOTAL	09/25/70-09/25/70	0	1	
SACN0390	Yes	01501	ALPHA, TOTAL	02/10/76-02/10/76	0	1	
SACN0441	No	01501	ALPHA, TOTAL	09/16/71-07/15/74	2	3	
SACN0452	No	01501	ALPHA, TOTAL	07/09/74-07/09/74	0	1	
SACN0455	No	01501	ALPHA, TOTAL	09/28/70-07/09/74	3	5	
SACN0187	Yes	01502	ALPHA, TOTAL, COUNTING ERROR	09/25/70-09/25/70	0	1	
SACN0336	Yes	01502	ALPHA, TOTAL, COUNTING ERROR	09/25/70-09/25/70	0	1	
SACN0354	Yes	01502	ALPHA, TOTAL, COUNTING ERROR	04/21/69-07/15/74	5	6	
SACN0366	Yes	01502	ALPHA, TOTAL, COUNTING ERROR	09/25/70-09/25/70	0	1	
SACN0441	No	01502	ALPHA, TOTAL, COUNTING ERROR	09/05/72-07/15/74	1	2	
SACN0187	Yes	01503	ALPHA, DISSOLVED	05/05/58-04/09/59	0	4	
SACN0299	Yes	01503	ALPHA, DISSOLVED	04/09/59-04/09/59	0	1	
SACN0394	Yes	01503	ALPHA, DISSOLVED	04/30/58-05/05/59	1	5	
SACN0441	No	01503	ALPHA, DISSOLVED	05/15/58-02/26/59	0	6	
SACN0187	Yes	01505	ALPHA, SUSPENDED	05/05/58-04/09/59	0	5	
SACN0394	Yes	01505	ALPHA, SUSPENDED	07/31/58-05/05/59	0	6	
SACN0441	No	01505	ALPHA, SUSPENDED	05/15/58-03/17/59	0	6	
SACN0187	Yes	03501	BETA, TOTAL	04/30/57-07/08/74	17	10	
SACN0251	Yes	03501	BETA, TOTAL	09/16/71-07/08/74	2	3	
SACN0336	Yes	03501	BETA, TOTAL	09/25/70-09/25/70	0	1	
SACN0354	Yes	03501	BETA, TOTAL	01/13/70-07/15/74	4	28	
SACN0366	Yes	03501	BETA, TOTAL	09/25/70-09/25/70	0	1	
SACN0385	Yes	03501	BETA, TOTAL	03/27/58-03/27/58	0	1	
SACN0390	Yes	03501	BETA, TOTAL	02/10/76-02/10/76	0	1	
SACN0394	Yes	03501	BETA, TOTAL	01/21/58-03/27/58	0	2	
SACN0441	No	03501	BETA, TOTAL	09/16/71-07/15/74	2	3	
SACN0452	No	03501	BETA, TOTAL	07/09/74-07/09/74	0	1	
SACN0455	No	03501	BETA, TOTAL	09/28/70-07/09/74	3	5	
SACN0187	Yes	03502	BETA, TOTAL, COUNTING ERROR	09/25/70-07/08/74	3	4	
SACN0251	Yes	03502	BETA, TOTAL, COUNTING ERROR	09/16/71-07/08/74	2	3	
SACN0336	Yes	03502	BETA, TOTAL, COUNTING ERROR	09/25/70-09/25/70	0	1	
SACN0354	Yes	03502	BETA, TOTAL, COUNTING ERROR	01/13/70-07/15/74	4	24	
SACN0366	Yes	03502	BETA, TOTAL, COUNTING ERROR	09/25/70-09/25/70	0	1	
SACN0441	No	03502	BETA, TOTAL, COUNTING ERROR	09/16/71-07/15/74	2	3	
SACN0452	No	03502	BETA, TOTAL, COUNTING ERROR	07/09/74-07/09/74	0	1	
SACN0455	No	03502	BETA, TOTAL, COUNTING ERROR	09/28/70-07/09/74	3	5	
SACN0187	Yes	03503	BETA, DISSOLVED	05/05/58-06/03/59	1	8	
SACN0299	Yes	03503	BETA, DISSOLVED	07/01/57-04/09/59	1	4	
SACN0385	Yes	03503	BETA, DISSOLVED	04/09/57-10/18/65	8	9	
SACN0394	Yes	03503	BETA, DISSOLVED	04/30/57-07/21/59	2	16	
SACN0441	No	03503	BETA, DISSOLVED	05/15/58-07/21/59	1	10	
SACN0385	Yes	03504	BETA, DISSOLVED, COUNTING ERROR	06/04/65-06/04/65	0	1	
SACN0187	Yes	03505	BETA, SUSPENDED	05/05/58-04/09/59	0	6	
SACN0385	Yes	03505	BETA, SUSPENDED	03/09/65-10/18/65	0	5	
SACN0394	Yes	03505	BETA, SUSPENDED	05/15/58-07/21/59	1	6	
SACN0441	No	03505	BETA, SUSPENDED	05/15/58-07/21/59	1	7	
SACN0159	No	04263	INVALID PARAMETER	08/20/91-08/20/91	0	8	
SACN0186	Yes	04263	INVALID PARAMETER	08/16/91-08/16/91	0	1	
SACN0214	Yes	04263	INVALID PARAMETER	08/19/91-08/19/91	0	10	
SACN0256	Yes	04263	INVALID PARAMETER	09/26/91-09/26/91	0	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0330	Yes	04263	INVALID PARAMETER	09/26/91-09/26/91	0	2	
SACN0366	Yes	04263	INVALID PARAMETER	09/26/91-09/26/91	0	5	
SACN0429	Yes	04263	INVALID PARAMETER	09/26/91-09/26/91	0	2	
SACN0397	Yes	04588	INVALID PARAMETER	06/13/94-06/13/94	0	1	
SACN0444	No	04588	INVALID PARAMETER	10/20/93-06/28/94	0	2	
SACN0397	Yes	04589	INVALID PARAMETER	06/13/94-06/13/94	0	1	
SACN0444	No	04589	INVALID PARAMETER	10/20/93-06/28/94	0	2	
SACN0085	No	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	09/17/85-05/13/86	0	6	
SACN0354	Yes	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	08/13/70-10/07/70	0	3	
SACN0419	No	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	08/25/81-08/25/81	0	2	
SACN0354	Yes	07001	TRITIUM,TOTAL,COUNTING ERROR (PICOCURIES/LITER)	08/13/70-10/07/70	0	3	
SACN0397	Yes	10217	PCB CONGENER IUPAC #101 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	10217	PCB CONGENER IUPAC #101 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19190	PCB CONGENER IUPAC #7 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19190	PCB CONGENER IUPAC #7 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19191	PCB CONGENER IUPAC #6 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19191	PCB CONGENER IUPAC #6 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19192	PCB CONGENER IUPAC #5/8 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19192	PCB CONGENER IUPAC #5/8 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19193	PCB CONGENER IUPAC #19 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19193	PCB CONGENER IUPAC #19 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19194	PCB CONGENER IUPAC #18 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19194	PCB CONGENER IUPAC #18 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19195	PCB CONGENER IUPAC #17 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19195	PCB CONGENER IUPAC #17 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19196	PCB CONGENER IUPAC #24/27 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19196	PCB CONGENER IUPAC #24/27 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19197	PCB CONGENER IUPAC #16/32 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19197	PCB CONGENER IUPAC #16/32 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19198	PCB CONGENER IUPAC #26 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19198	PCB CONGENER IUPAC #26 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19199	PCB CONGENER IUPAC #28/31 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19199	PCB CONGENER IUPAC #28/31 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19200	PCB CONGENER IUPAC #33 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19200	PCB CONGENER IUPAC #33 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19201	PCB CONGENER IUPAC #22 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19201	PCB CONGENER IUPAC #22 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19202	PCB CONGENER IUPAC #45 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19202	PCB CONGENER IUPAC #45 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19203	PCB CONGENER IUPAC #46 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19203	PCB CONGENER IUPAC #46 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19204	PCB CONGENER IUPAC #52 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19204	PCB CONGENER IUPAC #52 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19205	PCB CONGENER IUPAC #49 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19205	PCB CONGENER IUPAC #49 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19206	PCB CONGENER IUPAC #47/48 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19206	PCB CONGENER IUPAC #47/48 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19207	PCB CONGENER IUPAC #44 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19207	PCB CONGENER IUPAC #44 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19208	PCB CONGENER IUPAC #37/42 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19208	PCB CONGENER IUPAC #37/42 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19209	PCB CONGENER IUPAC #41/64/71 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19209	PCB CONGENER IUPAC #41/64/71 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19210	PCB CONGENER IUPAC #40 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19210	PCB CONGENER IUPAC #40 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19211	PCB CONGENER IUPAC #74 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19211	PCB CONGENER IUPAC #74 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19212	PCB CONGENER IUPAC #70/76 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19212	PCB CONGENER IUPAC #70/76 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19213	PCB CONGENER IUPAC #66/95 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19213	PCB CONGENER IUPAC #66/95 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19214	PCB CONGENER IUPAC #91 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19214	PCB CONGENER IUPAC #91 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19215	PCB CONGENER IUPAC #56/60 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19215	PCB CONGENER IUPAC #56/60 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19216	PCB CONGENER IUPAC #84/92 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19216	PCB CONGENER IUPAC #84/92 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19218	PCB CONGENER IUPAC #99 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19218	PCB CONGENER IUPAC #99 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19219	PCB CONGENER IUPAC #97 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19219	PCB CONGENER IUPAC #97 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19220	PCB CONGENER IUPAC #87 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0444	No	19220	PCB CONGENER IUPAC #87 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19221	PCB CONGENER IUPAC #85 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19221	PCB CONGENER IUPAC #85 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19222	PCB CONGENER IUPAC #136 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19222	PCB CONGENER IUPAC #136 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19223	PCB CONGENER IUPAC #77/110 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19223	PCB CONGENER IUPAC #77/110 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19224	PCB CONGENER IUPAC #82 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19224	PCB CONGENER IUPAC #82 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19225	PCB CONGENER IUPAC #151 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19225	PCB CONGENER IUPAC #151 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19226	PCB CONGENER IUPAC #135/144 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19226	PCB CONGENER IUPAC #135/144 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19227	PCB CONGENER IUPAC #149 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19227	PCB CONGENER IUPAC #149 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19228	PCB CONGENER IUPAC #118 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19228	PCB CONGENER IUPAC #118 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19229	PCB CONGENER IUPAC #146 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19229	PCB CONGENER IUPAC #146 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19230	PCB CONGENER IUPAC #132/153 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19230	PCB CONGENER IUPAC #132/153 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19231	PCB CONGENER IUPAC #141 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19231	PCB CONGENER IUPAC #141 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19232	PCB CONGENER IUPAC #137/176 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19232	PCB CONGENER IUPAC #137/176 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19233	PCB CONGENER IUPAC #138/163 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19233	PCB CONGENER IUPAC #138/163 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19234	PCB CONGENER IUPAC #178 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19234	PCB CONGENER IUPAC #178 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19235	PCB CONGENER IUPAC #182/187 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19235	PCB CONGENER IUPAC #182/187 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19236	PCB CONGENER IUPAC #183 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19236	PCB CONGENER IUPAC #183 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19237	PCB CONGENER IUPAC #185 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19237	PCB CONGENER IUPAC #185 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19238	PCB CONGENER IUPAC #174 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19238	PCB CONGENER IUPAC #174 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19239	PCB CONGENER IUPAC #177 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19239	PCB CONGENER IUPAC #177 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19240	PCB CONGENER IUPAC #171/202 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19240	PCB CONGENER IUPAC #171/202 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19241	PCB CONGENER IUPAC #172/197 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19241	PCB CONGENER IUPAC #172/197 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19242	PCB CONGENER IUPAC #180 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19242	PCB CONGENER IUPAC #180 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19243	PCB CONGENER IUPAC #199 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19243	PCB CONGENER IUPAC #199 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19244	PCB CONGENER IUPAC #170/190 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19244	PCB CONGENER IUPAC #170/190 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19245	PCB CONGENER IUPAC #201 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19245	PCB CONGENER IUPAC #201 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19246	PCB CONGENER IUPAC #196/203 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19246	PCB CONGENER IUPAC #196/203 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19247	PCB CONGENER IUPAC #195/208 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19247	PCB CONGENER IUPAC #195/208 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19248	PCB CONGENER IUPAC #194 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19248	PCB CONGENER IUPAC #194 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0397	Yes	19249	PCB CONGENER IUPAC #206 SOIL,TOTAL UG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	19249	PCB CONGENER IUPAC #206 SOIL,TOTAL UG/KG	10/20/93-06/28/94	0	2	
SACN0452	No	30295	PROPACHLOR, WATER, WHOLE, RECOVERABLE, UG/L	05/28/91-07/22/93	2	9	
SACN0343	Yes	30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30351	PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30352	HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30355	HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	04/26/86-04/26/86	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0343	Yes	30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	04/26/86-04/26/86	0	1	
SACN0111	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/73-04/28/75	2	11	
SACN0129	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/73-04/28/75	2	8	
SACN0187	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	19	133	T
SACN0251	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	23	89	
SACN0297	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/28/64-09/21/64	0	7	
SACN0299	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/11/57-10/18/65	8	38	
SACN0329	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/24/65-02/26/65	0	10	
SACN0336	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/12/67-06/25/71	4	39	
SACN0349	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/28/64-09/16/65	1	23	
SACN0350	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/08/65-09/16/65	0	9	
SACN0354	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	9	99	
SACN0357	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/26/64-08/26/64	0	3	
SACN0360	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	11/14/74-11/14/74	0	5	
SACN0366	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/12/67-06/25/71	4	41	
SACN0373	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/03/74-12/03/74	0	1	
SACN0385	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	12	65	
SACN0386	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/10/64-09/16/65	1	27	
SACN0394	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	12	76	
SACN0398	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/23/64-01/04/66	1	59	
SACN0432	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/01/36-06/13/73	37	32	
SACN0436	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/06/68	0	7	
SACN0441	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	18	102	
SACN0442	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/27/65-09/30/65	0	23	
SACN0452	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/07/74-06/18/76	2	25	
SACN0455	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	9	95	
SACN0349	Yes	31610	INVALID PARAMETER	07/28/64-07/28/64	0	1	
SACN0022	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-09/28/76	0	3	
SACN0023	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-07/13/76	0	2	
SACN0024	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-07/13/76	0	2	
SACN0025	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-07/13/76	0	2	
SACN0026	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-10/04/76	0	4	
SACN0028	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-07/13/76	0	2	
SACN0076	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	03/26/75-10/27/75	0	4	
SACN0101	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	10	73	
SACN0111	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	11	112	
SACN0129	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-01/25/77	3	38	
SACN0187	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	9	82	
SACN0236	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/05/90-10/13/93	3	19	
SACN0241	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-08/20/85	0	20	
SACN0243	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-09/30/85	0	20	
SACN0245	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/06/80	3	57	
SACN0260	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/07/93-10/13/93	0	6	
SACN0265	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/28/85-08/20/85	0	16	
SACN0270	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-08/20/85	0	20	
SACN0273	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-08/20/85	0	5	
SACN0276	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/06/80	3	57	
SACN0277	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/06/80	3	57	
SACN0278	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/21/84	7	61	
SACN0279	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/06/80	3	57	
SACN0281	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-08/12/85	0	18	
SACN0283	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-08/20/85	0	21	
SACN0304	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/05/90-10/13/93	3	19	
SACN0332	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/25/91-09/12/91	0	4	
SACN0354	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9	82	
SACN0385	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10/30/90-09/15/94	3	36	
SACN0390	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/18/73-02/27/79	5	61	
SACN0392	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/29/82-10/13/82	0	16	
SACN0441	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9	82	
SACN0444	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	11	135	A
SACN0452	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10/08/90-09/07/94	3	35	
SACN0187	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	20	191	T,A
SACN0209	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/11/82-09/12/83	0	9	
SACN0251	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	6	71	
SACN0299	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/18/65	1	12	
SACN0336	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/67-06/25/71	4	39	
SACN0338	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/10/73-12/10/73	0	1	
SACN0354	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	17	184	A
SACN0360	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/14/74-11/14/74	0	5	
SACN0366	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/67-06/25/71	4	41	
SACN0373	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/03/74-12/03/74	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0385	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/19/83	19	40	
SACN0394	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-10/18/65	1	11	
SACN0432	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/19/72-12/19/73	1	9	
SACN0436	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/06/68	0	7	
SACN0441	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	20	94	
SACN0448	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	0	1	
SACN0452	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/07/74-06/18/76	2	25	
SACN0455	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	9	95	
SACN0457	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	0	1	
SACN0459	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	0	1	
SACN0463	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/24/77-06/24/77	0	1	
SACN0465	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	0	1	
SACN0466	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	0	1	
SACN0468	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/24/77-06/24/77	0	1	
SACN0041	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/75-07/20/76	0	4	
SACN0067	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/05/76-04/01/76	0	2	
SACN0068	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/75-07/19/76	0	4	
SACN0111	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/72-10/24/73	1	17	
SACN0115	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/21/75-07/22/76	0	3	
SACN0129	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/22/72-10/24/73	1	19	
SACN0151	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/23/75-07/22/76	0	4	
SACN0172	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/23/75-07/22/76	0	3	
SACN0187	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/11/81-08/11/81	0	1	
SACN0205	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/23/75-07/22/76	0	3	
SACN0246	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/02/74-09/09/76	1	15	
SACN0305	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/22/75-07/06/76	0	4	
SACN0313	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/22/75-07/23/76	0	3	
SACN0338	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/73-08/06/75	1	10	
SACN0388	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/74-12/08/76	2	22	
SACN0390	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	8	90	
SACN0432	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/10/73-12/21/76	3	38	
SACN0297	Yes	31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	07/28/64-09/09/64	0	7	
SACN0329	No	31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	02/24/65-02/26/65	0	10	
SACN0349	Yes	31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	08/10/64-09/16/65	1	14	
SACN0350	Yes	31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	08/09/65-09/16/65	0	10	
SACN0386	Yes	31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	08/10/64-09/16/65	1	17	
SACN0398	Yes	31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	07/23/64-01/04/66	1	56	
SACN0442	No	31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	01/27/65-09/30/65	0	23	
SACN0041	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	8	24	
SACN0049	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/17/81-06/15/82	0	3	
SACN0050	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/17/81-06/15/82	0	3	
SACN0068	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	8	24	
SACN0115	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/17/77-08/25/83	6	14	
SACN0151	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/06/76-08/27/85	8	24	
SACN0172	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/18/77-08/24/83	6	14	
SACN0205	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/19/77-08/24/83	6	14	
SACN0246	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/76-04/04/86	9	60	
SACN0261	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/20/83	1	3	
SACN0289	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/21/83	1	3	
SACN0293	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/21/83	1	3	
SACN0305	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/07/76-08/23/83	6	23	
SACN0307	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/21/83	1	3	
SACN0313	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/18/77-08/27/85	8	15	
SACN0339	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/21/81-07/20/83	1	3	
SACN0101	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/14/85-09/30/85	0	6	
SACN0187	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	04/15/85-03/19/86	0	9	
SACN0241	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	0	18	
SACN0243	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	0	18	
SACN0265	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/28/85-08/11/85	0	15	
SACN0270	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	0	19	
SACN0273	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	0	4	
SACN0281	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	0	18	
SACN0283	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	0	20	
SACN0354	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	04/30/85-03/26/86	0	9	
SACN0441	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	04/30/85-03/26/86	0	9	
SACN0444	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/02/85-11/06/85	0	6	
SACN0101	Yes	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	05/14/85-09/30/85	0	6	
SACN0187	Yes	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	04/15/85-03/19/86	0	7	
SACN0241	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	0	19	
SACN0243	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	0	19	
SACN0265	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/28/85-08/11/85	0	15	
SACN0270	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	0	19	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0273	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	0	4	
SACN0281	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	0	18	
SACN0283	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	0	20	
SACN0354	Yes	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	04/30/85-03/26/86	0	9	
SACN0441	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	04/30/85-03/26/86	0	9	
SACN0444	No	31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	05/02/85-11/06/85	0	6	
SACN0041	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	8	24	
SACN0049	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/17/81-06/15/82	0	3	
SACN0050	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/17/81-06/15/82	0	3	
SACN0068	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	8	24	
SACN0111	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/17/83-11/17/83	0	1	
SACN0115	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/17/77-08/25/83	6	14	
SACN0151	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/06/76-08/27/85	8	24	
SACN0172	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/18/77-08/24/83	6	14	
SACN0205	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/19/77-08/24/83	6	14	
SACN0241	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	0	20	
SACN0243	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-09/30/85	0	20	
SACN0246	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/15/76-04/04/86	9	59	
SACN0261	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/20/83	1	3	
SACN0265	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/28/85-08/20/85	0	16	
SACN0270	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	0	20	
SACN0273	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	0	5	
SACN0278	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/05/84-08/21/84	0	4	
SACN0281	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/12/85	0	18	
SACN0283	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	0	21	
SACN0289	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/21/83	1	3	
SACN0293	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/21/83	1	3	
SACN0305	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/07/76-08/23/83	6	22	
SACN0307	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/21/83	1	3	
SACN0313	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/18/77-08/27/85	8	15	
SACN0339	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/81-07/20/83	1	3	
SACN0392	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/29/82-10/13/82	0	16	
SACN0444	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/05/82-10/01/87	5	44	
SACN0373	Yes	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	12/03/74-12/03/74	0	1	
SACN0041	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/20/75-07/20/76	0	4	
SACN0067	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	02/05/76-04/01/76	0	2	
SACN0068	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/20/75-07/19/76	0	4	
SACN0111	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/23/77-11/17/83	6	27	
SACN0115	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/21/75-07/22/76	0	3	
SACN0151	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/23/75-07/22/76	0	4	
SACN0172	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/23/75-07/22/76	0	3	
SACN0187	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/22/69-07/26/76	6	11	
SACN0205	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/23/75-07/22/76	0	3	
SACN0236	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/01/90-10/13/93	3	17	
SACN0246	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/02/74-09/09/76	1	15	
SACN0251	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/05/72-07/29/76	3	9	
SACN0260	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/07/93-10/13/93	0	6	
SACN0304	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/01/90-10/13/93	3	18	
SACN0305	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/22/75-07/06/76	0	4	
SACN0313	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/22/75-07/23/76	0	3	
SACN0329	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	02/24/65-02/26/65	0	4	
SACN0336	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/24/69-09/25/70	1	2	
SACN0338	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/31/74-08/06/75	1	4	
SACN0349	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/24/64-08/24/64	0	8	
SACN0354	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/22/69-07/29/76	6	9	
SACN0357	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/26/64-08/26/64	0	3	
SACN0366	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/24/69-09/25/70	1	2	
SACN0386	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/24/64-08/24/64	0	7	
SACN0388	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/13/74-12/08/76	2	22	
SACN0398	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	02/24/65-02/26/65	0	5	
SACN0432	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/74-09/14/76	2	27	
SACN0441	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/05/72-07/23/76	3	9	
SACN0442	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/27/65-01/28/65	0	4	
SACN0444	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	11	79	
SACN0452	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/21/75-04/22/76	1	6	
SACN0455	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/24/69-04/19/76	6	9	
SACN0463	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/24/77-06/24/77	0	1	
SACN0468	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/24/77-06/24/77	0	1	
SACN0013	No	32000	SAMPLE SIZE (LITERS)	09/08/93-07/02/94	0	2	
SACN0117	No	32000	SAMPLE SIZE (LITERS)	05/19/93-09/13/94	1	7	
SACN0119	No	32000	SAMPLE SIZE (LITERS)	05/19/93-09/13/94	1	7	
SACN0124	No	32000	SAMPLE SIZE (LITERS)	05/05/93-09/19/94	1	5	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0127	No	32000	SAMPLE SIZE (LITERS)	06/17/93-11/01/94	1	11	
SACN0128	No	32000	SAMPLE SIZE (LITERS)	05/05/93-09/19/94	1	5	
SACN0132	No	32000	SAMPLE SIZE (LITERS)	06/17/93-11/01/94	1	11	
SACN0142	No	32000	SAMPLE SIZE (LITERS)	06/30/93-09/12/94	1	9	
SACN0161	No	32000	SAMPLE SIZE (LITERS)	06/28/93-10/14/94	1	8	
SACN0166	No	32000	SAMPLE SIZE (LITERS)	06/27/93-10/14/94	1	8	
SACN0167	No	32000	SAMPLE SIZE (LITERS)	06/21/93-10/14/94	1	8	
SACN0182	No	32000	SAMPLE SIZE (LITERS)	08/16/94-10/26/94	0	3	
SACN0001	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/79-07/09/79	0	2	
SACN0004	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/27/78-08/14/78	0	5	
SACN0012	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/79-07/09/79	0	2	
SACN0013	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/08/91-07/02/94	2	3	
SACN0014	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/79-07/09/79	0	2	
SACN0029	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/79-07/09/79	0	1	
SACN0030	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/06/79-07/06/79	0	2	
SACN0039	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/20/79-07/21/79	0	2	
SACN0044	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/20/79-07/20/79	0	1	
SACN0045	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/16/79-07/16/79	0	2	
SACN0054	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/24/79-07/24/79	0	2	
SACN0055	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/15/79-07/15/79	0	1	
SACN0061	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/26/79-07/26/79	0	1	
SACN0070	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	0	1	
SACN0071	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	0	2	
SACN0072	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/26/79-07/26/79	0	2	
SACN0074	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	0	1	
SACN0077	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	0	1	
SACN0078	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	0	2	
SACN0079	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/26/79-07/26/79	0	2	
SACN0080	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/12/93-08/16/94	1	8	
SACN0087	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	0	1	
SACN0095	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	0	1	
SACN0098	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	0	1	
SACN0104	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/15/86-08/22/94	8	38	
SACN0106	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	0	1	
SACN0107	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/12/79-08/12/79	0	2	
SACN0117	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/19/93-09/13/94	1	7	
SACN0119	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/19/93-09/13/94	1	7	
SACN0124	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/05/93-09/19/94	1	5	
SACN0125	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	0	2	
SACN0126	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/12/79-08/12/79	0	1	
SACN0127	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/17/93-11/01/94	1	11	
SACN0128	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/05/93-09/19/94	1	5	
SACN0132	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/17/93-11/01/94	1	11	
SACN0135	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	0	1	
SACN0137	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	0	1	
SACN0138	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/12/79-08/12/79	0	2	
SACN0139	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	0	3	
SACN0141	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	0	2	
SACN0142	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/30/93-09/12/94	1	9	
SACN0143	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	0	2	
SACN0144	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	0	1	
SACN0145	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	0	2	
SACN0149	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	0	1	
SACN0152	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	0	1	
SACN0153	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	0	2	
SACN0154	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	0	1	
SACN0155	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	0	2	
SACN0156	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	0	2	
SACN0158	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	0	1	
SACN0161	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/28/93-10/14/94	1	8	
SACN0162	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	0	2	
SACN0163	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	0	1	
SACN0165	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	0	1	
SACN0166	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/27/93-10/14/94	1	8	
SACN0167	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/21/93-10/14/94	1	8	
SACN0168	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/16/79-08/16/79	0	2	
SACN0170	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/16/79-08/16/79	0	2	
SACN0173	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/16/79-08/16/79	0	1	
SACN0182	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/16/94-10/26/94	0	3	
SACN0216	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/09/79-08/09/79	0	1	
SACN0219	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/09/79-08/09/79	0	2	
SACN0221	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/22/93-10/28/93	0	4	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0222	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/22/93-10/28/93	0	4	
SACN0228	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/19/86-10/11/94	8	45	
SACN0231	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/28/79-08/28/79	0	2	
SACN0236	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/19/92-09/23/92	0	4	
SACN0238	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/07/79-08/07/79	0	1	
SACN0242	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/09/79-08/09/79	0	1	
SACN0244	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/05/93-10/05/93	0	5	
SACN0248	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/10/86-10/11/94	8	41	
SACN0267	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/07/79-08/07/79	0	1	
SACN0268	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/07/79-08/07/79	0	1	
SACN0269	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/28/79-08/28/79	0	1	
SACN0286	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/07/79-08/07/79	0	1	
SACN0290	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/14/93-11/18/93	0	4	
SACN0292	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	02/23/93-10/05/93	0	6	
SACN0295	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/28/79-08/28/79	0	2	
SACN0296	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	03/04/93-10/05/93	0	6	
SACN0304	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/11/92-10/29/92	0	4	
SACN0322	Yes	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/28/79-08/28/79	0	2	
SACN0332	Yes	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/25/91-09/12/91	0	5	
SACN0333	Yes	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/28/79-08/28/79	0	1	
SACN0392	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/13/80-10/16/85	5	107	
SACN0400	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/07/84-09/11/84	0	4	
SACN0444	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/06/88-08/03/88	0	2	
SACN0004	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/27/78-08/14/78	0	5	
SACN0193	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/22/90-09/13/90	0	2	
SACN0209	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/82-08/28/84	2	2	
SACN0221	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/19/93-07/19/93	0	1	
SACN0222	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/19/93-07/19/93	0	1	
SACN0228	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/06/93	0	2	
SACN0244	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/15/93-07/20/93	0	2	
SACN0248	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/06/93	0	2	
SACN0290	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/19/93	0	3	
SACN0292	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/15/93-07/20/93	0	2	
SACN0296	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/07/93	0	2	
SACN0379	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/20/91-08/26/92	1	6	
SACN0392	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/31/78-07/29/80	2	2	
SACN0400	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/10/80-08/27/92	12	15	
SACN0403	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/31/86-07/31/86	0	2	
SACN0408	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/31/86-07/31/86	0	1	
SACN0427	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/21/91-08/26/92	1	6	
SACN0441	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/10/76-09/16/76	0	7	
SACN0463	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/24/77-06/24/77	0	1	
SACN0468	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/24/77-06/24/77	0	1	
SACN0176	No	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	06/26/72-11/03/72	0	3	
SACN0179	No	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	06/26/72-11/03/72	0	3	
SACN0326	Yes	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	06/28/72-11/04/72	0	3	
SACN0327	Yes	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	06/28/72-11/04/72	0	3	
SACN0351	Yes	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	06/28/72-11/04/72	0	3	
SACN0352	Yes	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	06/28/72-11/04/72	0	3	
SACN0355	Yes	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	06/28/72-11/04/72	0	3	
SACN0356	Yes	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	06/28/72-11/04/72	0	3	
SACN0450	No	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	06/28/72-11/04/72	0	3	
SACN0004	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/27/78-08/14/78	0	5	
SACN0193	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/22/90-09/13/90	0	2	
SACN0221	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/19/93-07/19/93	0	1	
SACN0222	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/19/93-07/19/93	0	1	
SACN0228	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/06/93	0	2	
SACN0244	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/15/93-07/20/93	0	2	
SACN0248	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/06/93	0	2	
SACN0290	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/19/93	0	3	
SACN0292	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/15/93-07/20/93	0	2	
SACN0296	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/07/93	0	2	
SACN0246	No	32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	04/09/75-05/04/76	1	3	
SACN0246	No	32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	04/09/75-05/04/76	1	3	
SACN0187	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/22/69-06/13/88	18	7	
SACN0251	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/16/71-07/08/74	2	3	
SACN0336	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/24/69-09/25/70	1	2	
SACN0338	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/06/73-09/25/74	0	11	
SACN0354	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/22/69-06/27/88	18	6	
SACN0366	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/24/69-09/25/70	1	2	
SACN0388	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/13/74-01/31/79	4	28	
SACN0393	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	02/22/77-09/25/79	2	33	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0432	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/19/72-01/21/77	4	45	
SACN0441	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/16/71-06/23/88	16	29	
SACN0442	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	02/05/65-02/05/65	0	1	
SACN0443	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	02/24/77-08/31/79	2	30	
SACN0452	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/74-07/09/74	0	1	
SACN0455	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/24/69-07/09/74	4	5	
SACN0187	Yes	32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	11/22/76-11/22/76	0	1	
SACN0111	No	33223	INVALID PARAMETER	09/26/78-09/26/78	0	1	
SACN0083	Yes	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	34208	ACENAPHTHENE DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	34223	ANTHRACENE DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	34257	B-BHC-BETA DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	34384	FLUORENE DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0343	Yes	34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	04/26/86-04/26/86	0	1	
SACN0083	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	34464	PHENANTHRENE DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	34472	PYRENE DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0343	Yes	34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	04/26/86-04/26/86	0	1	
SACN0083	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0049	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	06/15/82-06/15/82	0	1	
SACN0050	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	06/15/82-06/15/82	0	1	
SACN0083	Yes	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	05/04/94-05/04/94	0	1	
SACN0159	No	34670	PCB - 1260 WET WGTTISMG/KG	08/20/91-08/20/91	0	8	
SACN0186	Yes	34670	PCB - 1260 WET WGTTISMG/KG	08/16/91-08/16/91	0	1	
SACN0187	Yes	34670	PCB - 1260 WET WGTTISMG/KG	08/23/89-08/30/89	0	14	
SACN0214	Yes	34670	PCB - 1260 WET WGTTISMG/KG	08/19/91-08/19/91	0	9	
SACN0251	Yes	34670	PCB - 1260 WET WGTTISMG/KG	09/13/89-09/13/89	0	9	
SACN0256	Yes	34670	PCB - 1260 WET WGTTISMG/KG	09/26/91-09/26/91	0	4	
SACN0330	Yes	34670	PCB - 1260 WET WGTTISMG/KG	09/26/91-09/26/91	0	2	
SACN0346	Yes	34670	PCB - 1260 WET WGTTISMG/KG	07/26/85-07/26/85	0	5	
SACN0354	Yes	34670	PCB - 1260 WET WGTTISMG/KG	06/01/78-09/28/84	6	10	
SACN0361	Yes	34670	PCB - 1260 WET WGTTISMG/KG	07/29/82-09/25/86	4	16	
SACN0366	Yes	34670	PCB - 1260 WET WGTTISMG/KG	09/26/91-09/26/91	0	5	
SACN0380	No	34670	PCB - 1260 WET WGTTISMG/KG	05/30/78-09/17/87	9	43	
SACN0400	No	34670	PCB - 1260 WET WGTTISMG/KG	07/26/83-07/26/83	0	2	
SACN0441	No	34670	PCB - 1260 WET WGTTISMG/KG	09/22/81-10/06/83	2	4	
SACN0445	No	34670	PCB - 1260 WET WGTTISMG/KG	08/02/83-08/02/90	7	8	
SACN0354	Yes	34671	PCB - 1016 TOTWUG/L	10/25/79-10/25/79	0	1	
SACN0354	Yes	34674	PCB - 1016 WET WGTTISMG/KG	06/01/78-06/01/78	0	4	
SACN0380	No	34674	PCB - 1016 WET WGTTISMG/KG	05/30/78-06/06/79	1	9	
SACN0111	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	08/17/77-07/15/79	1	9	
SACN0150	Yes	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	08/01/78-09/21/82	4	15	
SACN0354	Yes	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	06/01/78-06/01/78	0	3	
SACN0358	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/01/69-10/01/69	0	6	
SACN0111	No	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	08/17/77-08/17/77	0	3	
SACN0354	Yes	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	06/01/78-06/01/78	0	3	
SACN0111	No	34685	ENDRIN WET WGTTISMG/KG	08/17/77-07/15/79	1	9	
SACN0343	Yes	34685	ENDRIN WET WGTTISMG/KG	04/26/86-04/26/86	0	1	
SACN0354	Yes	34685	ENDRIN WET WGTTISMG/KG	06/01/78-06/01/78	0	3	
SACN0358	No	34685	ENDRIN WET WGTTISMG/KG	10/01/69-10/01/69	0	6	
SACN0343	Yes	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	04/26/86-04/26/86	0	1	
SACN0358	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/01/69-10/01/69	0	6	
SACN0343	Yes	34687	HEPTACHLOR WET WGTTISMG/KG	04/26/86-04/26/86	0	1	
SACN0358	No	34687	HEPTACHLOR WET WGTTISMG/KG	10/01/69-10/01/69	0	6	
SACN0111	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	08/01/78-07/15/79	0	6	
SACN0343	Yes	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	04/26/86-04/26/86	0	1	
SACN0354	Yes	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	06/01/78-06/01/78	0	3	
SACN0159	No	34690	PCB - 1254 WET WGTTISMG/KG	08/20/91-08/20/91	0	7	
SACN0186	Yes	34690	PCB - 1254 WET WGTTISMG/KG	08/16/91-08/16/91	0	1	
SACN0214	Yes	34690	PCB - 1254 WET WGTTISMG/KG	08/19/91-08/19/91	0	10	
SACN0253	No	34690	PCB - 1254 WET WGTTISMG/KG	07/29/92-07/29/92	0	1	
SACN0256	Yes	34690	PCB - 1254 WET WGTTISMG/KG	09/26/91-09/26/91	0	4	
SACN0330	Yes	34690	PCB - 1254 WET WGTTISMG/KG	09/26/91-09/26/91	0	2	
SACN0341	Yes	34690	PCB - 1254 WET WGTTISMG/KG	05/23/89-06/25/90	1	10	
SACN0358	No	34690	PCB - 1254 WET WGTTISMG/KG	10/01/69-10/01/69	0	6	
SACN0366	Yes	34690	PCB - 1254 WET WGTTISMG/KG	09/26/91-09/26/91	0	5	
SACN0387	Yes	34690	PCB - 1254 WET WGTTISMG/KG	05/23/89-05/26/89	0	6	
SACN0429	Yes	34690	PCB - 1254 WET WGTTISMG/KG	09/26/91-09/26/91	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0343	Yes	34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	04/26/86-04/26/86	0	1	
SACN0005	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/10/77-08/10/77	0	1	
SACN0016	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/03/78-08/03/78	0	2	
SACN0187	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	12	89	
SACN0251	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/19/71-11/29/74	3	37	
SACN0297	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/28/64-07/28/64	0	1	
SACN0299	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/06/62-10/18/65	2	16	
SACN0336	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/12/67-06/25/71	4	39	
SACN0354	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	7	77	
SACN0366	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/12/67-06/25/71	4	40	
SACN0385	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/06/62-10/18/65	2	16	
SACN0394	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/26/62-10/18/65	3	18	
SACN0398	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/24/64-06/24/64	0	1	
SACN0436	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-06/06/68	0	7	
SACN0441	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/26/62-11/25/74	12	61	
SACN0452	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/07/74-11/29/74	0	6	
SACN0455	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	7	76	
SACN0463	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/24/77-06/24/77	0	1	
SACN0468	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/24/77-06/24/77	0	1	
SACN0452	No	38578	PROPAZINE, TOTAL, WATER UG/L	05/28/91-07/22/93	2	9	
SACN0452	No	38740	CHLORPYRIFOS-METHYL WATER, TOTUG/L	05/05/92-07/22/93	1	6	
SACN0452	No	38787	ETHALFLURALIN WATER, TOTUG/L	05/28/91-07/22/93	2	9	
SACN0343	Yes	38824	ISOPROPALIN TISWETWGTMG/KG	04/26/86-04/26/86	0	1	
SACN0354	Yes	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/23/78-10/25/79	1	2	
SACN0049	Yes	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0452	No	39056	PROMETONE IN WHOLE WATER (UG/L)	05/28/91-07/22/93	2	9	
SACN0111	No	39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	08/01/78-09/02/80	2	9	
SACN0150	Yes	39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	08/01/78-09/02/80	2	9	
SACN0258	No	39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	06/11/87-06/11/87	0	1	
SACN0341	Yes	39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	04/26/86-09/27/86	0	4	
SACN0354	Yes	39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	06/01/78-06/01/78	0	4	
SACN0083	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/04/94-05/04/94	0	1	
SACN0354	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/06/78-07/20/79	1	2	
SACN0354	Yes	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/78-10/25/79	1	2	
SACN0081	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/10/84-08/10/84	0	2	
SACN0111	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/01/78-09/21/82	4	15	
SACN0150	Yes	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/01/78-09/21/82	4	15	
SACN0175	Yes	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0250	Yes	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0258	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	06/07/87-06/07/87	0	2	
SACN0272	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/16/89-08/16/89	0	1	
SACN0341	Yes	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	04/26/86-10/29/91	5	7	
SACN0343	Yes	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	04/26/86-04/26/86	0	1	
SACN0354	Yes	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	06/01/78-06/01/78	0	3	
SACN0376	Yes	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/14/84-09/14/84	0	1	
SACN0354	Yes	39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	06/06/78-06/06/78	0	1	
SACN0354	Yes	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/78-10/25/79	1	2	
SACN0081	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/10/84-08/10/84	0	2	
SACN0111	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/01/78-09/21/82	4	15	
SACN0150	Yes	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/01/78-09/21/82	4	15	
SACN0175	Yes	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0250	Yes	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0258	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	06/07/87-06/07/87	0	2	
SACN0272	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/16/89-08/16/89	0	1	
SACN0341	Yes	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	04/26/86-10/29/91	5	7	
SACN0343	Yes	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	04/26/86-04/26/86	0	1	
SACN0354	Yes	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	06/01/78-06/01/78	0	3	
SACN0376	Yes	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/14/84-09/14/84	0	1	
SACN0354	Yes	39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	06/06/78-06/06/78	0	1	
SACN0354	Yes	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/23/78-10/23/78	0	1	
SACN0081	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	08/10/84-08/10/84	0	2	
SACN0111	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/15/79-09/21/82	3	12	
SACN0150	Yes	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/15/79-09/21/82	3	12	
SACN0258	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	06/07/87-06/07/87	0	2	
SACN0341	Yes	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	04/26/86-09/27/86	0	3	
SACN0376	Yes	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	09/14/84-09/14/84	0	1	
SACN0354	Yes	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/23/78-10/25/79	1	2	
SACN0081	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	08/10/84-08/10/84	0	2	
SACN0111	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/15/79-09/21/82	3	12	
SACN0150	Yes	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/15/79-09/21/82	3	12	
SACN0258	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	06/07/87-06/07/87	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0341	Yes	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	04/26/86-09/27/86	0	3	
SACN0354	Yes	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	06/01/78-06/01/78	0	3	
SACN0376	Yes	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	09/14/84-09/14/84	0	1	
SACN0354	Yes	39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	06/06/78-06/06/78	0	1	
SACN0111	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	07/15/79-09/21/82	3	12	
SACN0150	Yes	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	07/15/79-09/21/82	3	12	
SACN0343	Yes	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	04/26/86-04/26/86	0	1	
SACN0354	Yes	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	06/01/78-06/01/78	0	3	
SACN0111	No	39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	08/01/78-09/21/82	4	15	
SACN0150	Yes	39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	08/01/78-09/21/82	4	15	
SACN0083	Yes	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	05/04/94-05/04/94	0	1	
SACN0354	Yes	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	06/06/78-06/06/78	0	1	
SACN0111	No	39105	PERCENT FAT HEXANE EXTRACTION	08/17/77-09/21/82	5	18	
SACN0159	No	39105	PERCENT FAT HEXANE EXTRACTION	08/20/91-08/20/91	0	8	
SACN0186	Yes	39105	PERCENT FAT HEXANE EXTRACTION	08/16/91-08/16/91	0	1	
SACN0187	Yes	39105	PERCENT FAT HEXANE EXTRACTION	08/23/89-08/30/89	0	14	
SACN0214	Yes	39105	PERCENT FAT HEXANE EXTRACTION	08/19/91-08/19/91	0	10	
SACN0251	Yes	39105	PERCENT FAT HEXANE EXTRACTION	09/13/89-09/13/89	0	9	
SACN0256	Yes	39105	PERCENT FAT HEXANE EXTRACTION	09/26/91-09/26/91	0	4	
SACN0320	Yes	39105	PERCENT FAT HEXANE EXTRACTION	07/13/76-07/13/76	0	4	
SACN0321	Yes	39105	PERCENT FAT HEXANE EXTRACTION	07/20/75-03/01/76	0	18	
SACN0328	No	39105	PERCENT FAT HEXANE EXTRACTION	08/01/70-07/01/75	4	58	
SACN0330	Yes	39105	PERCENT FAT HEXANE EXTRACTION	09/26/91-09/26/91	0	2	
SACN0340	No	39105	PERCENT FAT HEXANE EXTRACTION	07/24/75-03/01/76	0	14	
SACN0345	Yes	39105	PERCENT FAT HEXANE EXTRACTION	07/21/75-03/01/76	0	14	
SACN0346	Yes	39105	PERCENT FAT HEXANE EXTRACTION	07/21/75-11/05/86	11	32	
SACN0354	Yes	39105	PERCENT FAT HEXANE EXTRACTION	07/20/75-09/28/84	9	31	
SACN0361	Yes	39105	PERCENT FAT HEXANE EXTRACTION	07/29/82-09/25/86	4	16	
SACN0366	Yes	39105	PERCENT FAT HEXANE EXTRACTION	09/26/91-09/26/91	0	5	
SACN0380	No	39105	PERCENT FAT HEXANE EXTRACTION	07/24/75-09/17/87	12	55	
SACN0400	No	39105	PERCENT FAT HEXANE EXTRACTION	07/26/83-07/26/83	0	2	
SACN0429	Yes	39105	PERCENT FAT HEXANE EXTRACTION	09/26/91-09/26/91	0	2	
SACN0441	No	39105	PERCENT FAT HEXANE EXTRACTION	09/22/81-10/06/83	2	4	
SACN0445	No	39105	PERCENT FAT HEXANE EXTRACTION	08/02/83-08/02/90	7	12	
SACN0083	Yes	39160	ALACHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	0	1	
SACN0049	Yes	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	08/17/81-10/15/81	0	2	
SACN0393	Yes	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	01/26/78-07/18/78	0	3	
SACN0049	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0358	No	39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	10/01/69-10/01/69	0	6	
SACN0187	Yes	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/29/71-11/22/76	5	7	
SACN0251	Yes	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/16/71-06/12/73	1	4	
SACN0354	Yes	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/11/70-10/25/79	9	10	
SACN0441	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/16/71-08/02/73	1	6	
SACN0455	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/28/70-07/10/73	2	6	
SACN0083	Yes	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	0	1	
SACN0354	Yes	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/07/77-06/06/78	0	2	
SACN0111	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	3	12	
SACN0150	Yes	39302	P P DDT IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	3	12	
SACN0175	Yes	39302	P P DDT IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0250	Yes	39302	P P DDT IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0272	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	08/16/89-08/16/89	0	1	
SACN0341	Yes	39302	P P DDT IN TISSUE WET WGT (UG/G)	08/15/89-10/29/91	2	4	
SACN0354	Yes	39302	P P DDT IN TISSUE WET WGT (UG/G)	06/01/78-06/01/78	0	3	
SACN0358	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	10/01/69-10/01/69	0	6	
SACN0083	Yes	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	05/04/94-05/04/94	0	1	
SACN0187	Yes	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	0	1	
SACN0354	Yes	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/25/79	2	3	
SACN0354	Yes	39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/07/77-06/06/78	0	2	
SACN0111	No	39307	O P DDT IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	3	12	
SACN0150	Yes	39307	O P DDT IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	3	12	
SACN0175	Yes	39307	O P DDT IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0250	Yes	39307	O P DDT IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0272	No	39307	O P DDT IN TISSUE WET WGT (UG/G)	08/16/89-08/16/89	0	1	
SACN0341	Yes	39307	O P DDT IN TISSUE WET WGT (UG/G)	08/15/89-10/29/91	2	4	
SACN0354	Yes	39307	O P DDT IN TISSUE WET WGT (UG/G)	06/01/78-06/01/78	0	3	
SACN0358	No	39307	O P DDT IN TISSUE WET WGT (UG/G)	10/01/69-10/01/69	0	6	
SACN0354	Yes	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	1	2	
SACN0083	Yes	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	0	1	
SACN0354	Yes	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/06/78-06/06/78	0	1	
SACN0111	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	3	12	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0150	Yes	39312	P P DDD IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	3	12	
SACN0175	Yes	39312	P P DDD IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0250	Yes	39312	P P DDD IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0272	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	08/16/89-08/16/89	0	1	
SACN0341	Yes	39312	P P DDD IN TISSUE WET WGT (UG/G)	08/15/89-10/29/91	2	4	
SACN0354	Yes	39312	P P DDD IN TISSUE WET WGT (UG/G)	06/01/78-06/01/78	0	3	
SACN0083	Yes	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	05/04/94-05/04/94	0	1	
SACN0354	Yes	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	1	2	
SACN0354	Yes	39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/06/78-06/06/78	0	1	
SACN0343	Yes	39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0354	Yes	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	1	2	
SACN0444	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	06/13/88-06/13/88	0	1	
SACN0083	Yes	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	0	1	
SACN0354	Yes	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/06/78-06/06/78	0	1	
SACN0111	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/17/77-09/21/82	5	18	
SACN0150	Yes	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/01/78-09/21/82	4	15	
SACN0175	Yes	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/15/89-08/15/89	0	1	
SACN0250	Yes	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/15/89-08/15/89	0	1	
SACN0272	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/16/89-08/16/89	0	1	
SACN0341	Yes	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/15/89-10/29/91	2	4	
SACN0343	Yes	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	04/26/86-04/26/86	0	1	
SACN0354	Yes	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	06/01/78-06/01/78	0	3	
SACN0358	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/01/69-10/01/69	0	6	
SACN0111	No	39325	O,P DDD IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	3	12	
SACN0150	Yes	39325	O,P DDD IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	3	12	
SACN0175	Yes	39325	O,P DDD IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0250	Yes	39325	O,P DDD IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0272	No	39325	O,P DDD IN TISSUE WET WGT (UG/G)	08/16/89-08/16/89	0	1	
SACN0341	Yes	39325	O,P DDD IN TISSUE WET WGT (UG/G)	08/15/89-10/29/91	2	4	
SACN0354	Yes	39325	O,P DDD IN TISSUE WET WGT (UG/G)	06/01/78-06/01/78	0	3	
SACN0354	Yes	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	1	2	
SACN0354	Yes	39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/06/78-06/06/78	0	1	
SACN0111	No	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	07/15/79-09/21/82	3	12	
SACN0150	Yes	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	07/15/79-09/21/82	3	12	
SACN0175	Yes	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	08/15/89-08/15/89	0	1	
SACN0250	Yes	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	08/15/89-08/15/89	0	1	
SACN0272	No	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	08/16/89-08/16/89	0	1	
SACN0341	Yes	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	08/15/89-10/29/91	2	4	
SACN0354	Yes	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	06/01/78-06/01/78	0	3	
SACN0049	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0187	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	0	1	
SACN0354	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/25/79	2	3	
SACN0393	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	0	3	
SACN0049	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0083	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/94-05/04/94	0	1	
SACN0354	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/07/77-06/06/78	0	2	
SACN0111	No	39334	ALDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	09/02/80-09/21/82	2	9	
SACN0343	Yes	39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0354	Yes	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	10/23/78-10/25/79	1	2	
SACN0343	Yes	39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0049	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/17/81-10/15/81	0	2	
SACN0050	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/17/81-10/15/81	0	2	
SACN0393	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	01/26/78-07/18/78	0	3	
SACN0049	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	08/17/81-08/17/81	0	1	
SACN0050	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	08/17/81-08/17/81	0	1	
SACN0354	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	06/06/78-06/06/78	0	1	
SACN0343	Yes	39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0083	Yes	39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	05/04/94-05/04/94	0	1	
SACN0444	No	39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	06/13/88-06/13/88	0	1	
SACN0049	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	08/17/81-10/15/81	0	2	
SACN0050	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	08/17/81-10/15/81	0	2	
SACN0354	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	11/01/76-10/25/79	2	3	
SACN0393	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	01/26/78-07/18/78	0	3	
SACN0049	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	08/17/81-08/17/81	0	1	
SACN0050	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	08/17/81-08/17/81	0	1	
SACN0354	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/07/77-06/07/77	0	1	
SACN0343	Yes	39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0083	Yes	39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	05/04/94-05/04/94	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0452	No	39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	05/28/91-07/22/93	2	9	
SACN0354	Yes	39359	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	06/06/78-06/06/78	0	1	
SACN0049	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0393	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	0	3	
SACN0049	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0049	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0187	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/10/73-09/05/73	0	2	
SACN0251	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/03/73-07/10/73	0	2	
SACN0393	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	0	3	
SACN0441	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/03/73-07/03/73	0	1	
SACN0455	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/28/70-09/28/70	0	1	
SACN0049	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0049	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0187	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/11/67-09/22/69	1	2	
SACN0336	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/11/67-09/24/69	1	2	
SACN0354	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/02/68-09/22/69	0	2	
SACN0366	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/11/67-09/24/69	1	2	
SACN0393	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	0	3	
SACN0436	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/11/67-12/11/67	0	1	
SACN0441	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/14/67-12/14/67	0	1	
SACN0455	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/11/67-09/24/69	1	2	
SACN0049	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0354	Yes	39376	DDT SUM ANALOGS INTISSUE WET WGT BASIS	10/01/69-06/01/78	8	8	
SACN0354	Yes	39379	SUM OF ALL DDT,DDE& DDD VALUES IN WHL WATER SAMP	10/23/78-10/25/79	1	2	
SACN0049	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0187	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	0	1	
SACN0354	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/25/79	2	3	
SACN0393	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	0	3	
SACN0049	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/17/81-08/17/81	0	1	
SACN0083	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/04/94-05/04/94	0	1	
SACN0354	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/07/77-06/06/78	0	2	
SACN0111	No	39387	DIELDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WGT)	09/02/80-09/21/82	2	9	
SACN0049	Yes	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0393	Yes	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	07/18/78-07/18/78	0	1	
SACN0049	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0049	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0187	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/29/71-09/29/71	0	1	
SACN0354	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	1	2	
SACN0393	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	0	3	
SACN0455	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/29/71-09/29/71	0	1	
SACN0049	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0083	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/94-05/04/94	0	1	
SACN0354	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/78-06/06/78	0	1	
SACN0111	No	39397	ENDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	09/02/80-09/21/82	2	9	
SACN0150	Yes	39397	ENDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/01/78-09/21/82	4	15	
SACN0049	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0049	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0050	Yes	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0049	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0393	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	0	3	
SACN0049	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/17/81-08/17/81	0	1	
SACN0081	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/10/84-08/10/84	0	2	
SACN0111	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/17/77-07/15/79	1	9	
SACN0150	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/01/78-09/21/82	4	15	
SACN0175	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0250	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	0	1	
SACN0258	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	06/07/87-06/07/87	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0272	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/16/89-08/16/89	0	1	
SACN0341	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	04/26/86-10/29/91	5	7	
SACN0343	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	04/26/86-04/26/86	0	1	
SACN0354	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	06/01/78-06/01/78	0	3	
SACN0358	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/01/69-10/01/69	0	6	
SACN0376	Yes	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/14/84-09/14/84	0	1	
SACN0343	Yes	39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0049	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0393	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	0	3	
SACN0049	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0049	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0393	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	0	3	
SACN0444	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/13/88-06/13/88	0	1	
SACN0049	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	08/17/81-08/17/81	0	1	
SACN0049	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0187	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	0	1	
SACN0354	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/25/79	2	3	
SACN0049	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	08/17/81-08/17/81	0	1	
SACN0354	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/07/77-06/06/78	0	2	
SACN0111	No	39482	METHOXYCHLOR IN FISH - UG/KG	08/17/77-08/17/77	0	3	
SACN0354	Yes	39482	METHOXYCHLOR IN FISH - UG/KG	06/01/78-06/01/78	0	3	
SACN0358	No	39482	METHOXYCHLOR IN FISH - UG/KG	10/01/69-10/01/69	0	6	
SACN0187	Yes	39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	08/23/89-08/30/89	0	14	
SACN0251	Yes	39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	09/13/89-09/13/89	0	9	
SACN0346	Yes	39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	07/26/85-07/26/85	0	5	
SACN0354	Yes	39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	08/04/83-09/28/84	1	6	
SACN0361	Yes	39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	07/29/82-09/25/86	4	16	
SACN0380	No	39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	08/06/80-09/17/87	7	34	
SACN0400	No	39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	07/26/83-07/26/83	0	2	
SACN0441	No	39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	09/22/81-10/06/83	2	4	
SACN0445	No	39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	08/02/83-08/02/83	0	2	
SACN0354	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	10/25/79-10/25/79	0	1	
SACN0444	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/13/88-06/13/89	1	4	
SACN0354	Yes	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	06/06/78-06/06/78	0	1	
SACN0354	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	10/25/79-10/25/79	0	1	
SACN0354	Yes	39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	06/06/78-06/06/78	0	1	
SACN0187	Yes	39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	08/23/89-08/30/89	0	13	
SACN0251	Yes	39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	09/13/89-09/13/89	0	8	
SACN0346	Yes	39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	07/26/85-07/26/85	0	5	
SACN0354	Yes	39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	06/01/78-09/28/84	6	10	
SACN0361	Yes	39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	07/29/82-09/25/86	4	16	
SACN0380	No	39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	05/30/78-09/17/87	9	43	
SACN0400	No	39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	07/26/83-07/26/83	0	2	
SACN0441	No	39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	09/22/81-10/06/83	2	4	
SACN0445	No	39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	08/02/83-08/02/90	7	9	
SACN0354	Yes	39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	06/06/78-06/06/78	0	1	
SACN0081	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/10/84-05/28/86	1	3	
SACN0111	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/17/77-09/21/82	5	18	
SACN0150	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/01/78-09/21/82	4	15	
SACN0159	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/20/91-08/20/91	0	8	
SACN0175	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/15/89-08/15/89	0	1	
SACN0177	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/27/86-09/27/86	0	1	
SACN0186	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/16/91-08/16/91	0	1	
SACN0187	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/23/89-08/30/89	0	14	
SACN0214	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/19/91-08/19/91	0	10	
SACN0250	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/15/89-08/15/89	0	1	
SACN0251	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/13/89-09/13/89	0	9	
SACN0253	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	05/22/89-05/22/89	0	2	
SACN0256	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/26/91-09/26/91	0	4	
SACN0258	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	06/07/87-06/18/87	0	15	
SACN0272	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/16/89-08/16/89	0	1	
SACN0319	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/23/86-07/23/86	0	3	
SACN0320	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/13/76-07/13/76	0	4	
SACN0321	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/20/75-03/01/76	0	18	
SACN0328	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/01/70-07/01/75	4	58	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0330	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/26/91-09/26/91	0	2	
SACN0340	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/24/75-03/01/76	0	14	
SACN0341	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/27/84-10/29/91	7	54	
SACN0345	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/21/75-03/01/76	0	14	
SACN0346	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/21/75-11/05/86	11	32	
SACN0354	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/01/69-09/28/84	14	33	
SACN0361	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/29/82-09/25/86	4	16	
SACN0366	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/26/91-09/26/91	0	5	
SACN0376	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/14/84-10/14/85	1	5	
SACN0380	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/24/75-09/17/87	12	58	
SACN0387	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	06/03/82-05/26/89	6	6	
SACN0400	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/26/83-07/26/83	0	2	
SACN0429	Yes	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/26/91-09/26/91	0	2	
SACN0441	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/22/81-10/06/83	2	4	
SACN0445	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/02/83-08/02/90	7	12	
SACN0049	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0187	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	0	1	
SACN0248	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	03/15/89-06/19/92	3	3	
SACN0342	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	0	1	
SACN0354	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/23/78	1	2	
SACN0368	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	0	1	
SACN0371	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	0	1	
SACN0393	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	0	3	
SACN0401	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	0	1	
SACN0423	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	0	1	
SACN0438	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	0	1	
SACN0439	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	0	1	
SACN0049	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0083	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	0	1	
SACN0187	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/22/76-11/22/76	0	1	
SACN0308	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/16/93-07/16/93	0	1	
SACN0342	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	0	1	
SACN0354	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/01/76-06/06/78	1	3	
SACN0368	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	0	1	
SACN0371	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	0	1	
SACN0423	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	0	1	
SACN0438	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	0	1	
SACN0439	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	0	1	
SACN0253	No	39525	PCBS TOTAL,FISH TISSUE WET (ISOMER ANALYSES) MG/KG	07/29/92-07/29/92	0	2	
SACN0049	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0049	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0050	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0049	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0049	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0050	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0049	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0452	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	05/05/92-07/22/93	1	6	
SACN0049	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0050	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0049	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0452	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	05/05/92-07/22/93	1	6	
SACN0049	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0050	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0452	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/28/91-07/22/93	2	9	
SACN0187	Yes	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	0	1	
SACN0354	Yes	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/25/79	2	3	
SACN0083	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	0	1	
SACN0187	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	11/22/76-11/22/76	0	1	
SACN0354	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	11/01/76-06/06/78	1	3	
SACN0111	No	39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	09/02/80-09/21/82	2	9	
SACN0150	Yes	39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	08/01/78-09/21/82	4	15	
SACN0049	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0049	Yes	39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	0	1	
SACN0050	Yes	39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	0	1	
SACN0049	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0050	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0049	Yes	39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	0	1	
SACN0050	Yes	39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	0	1	
SACN0049	Yes	39755	MIREX, TOTAL (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39755	MIREX, TOTAL (UG/L)	08/17/81-10/15/81	0	2	
SACN0187	Yes	39755	MIREX, TOTAL (UG/L)	11/22/76-11/22/76	0	1	
SACN0393	Yes	39755	MIREX, TOTAL (UG/L)	01/26/78-07/18/78	0	3	
SACN0049	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0050	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	08/17/81-08/17/81	0	1	
SACN0187	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	11/22/76-11/22/76	0	1	
SACN0354	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/07/77-06/07/77	0	1	
SACN0049	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0049	Yes	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	0	1	
SACN0050	Yes	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	0	1	
SACN0354	Yes	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	11/01/76-11/01/76	0	1	
SACN0452	No	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	05/28/91-07/29/91	0	3	
SACN0187	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/22/76-11/22/76	0	1	
SACN0354	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/01/76-06/07/77	0	2	
SACN0111	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	08/17/77-08/17/77	0	3	
SACN0343	Yes	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	04/26/86-04/26/86	0	1	
SACN0354	Yes	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	06/01/78-06/01/78	0	3	
SACN0049	Yes	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0049	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0050	Yes	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0049	Yes	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0050	Yes	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	0	2	
SACN0049	Yes	39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0050	Yes	39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	0	2	
SACN0083	Yes	39810	CHLORDANE,GAMMA,IN WHOLE WATER SAMPLE (UG/L)	05/04/94-05/04/94	0	1	
SACN0354	Yes	39810	CHLORDANE,GAMMA,IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	1	2	
SACN0444	No	39810	CHLORDANE,GAMMA,IN WHOLE WATER SAMPLE (UG/L)	06/13/88-06/13/88	0	1	
SACN0083	Yes	46288	METHOXYCHLOR IN SOIL (DRY WGT)	05/04/94-05/04/94	0	1	
SACN0083	Yes	46305	ATRAZINE IN SOIL (NG/G DRY WGT)	05/04/94-05/04/94	0	1	
SACN0452	No	46313	PHORATE IN WHOLE WATER SAMPLE (UG/L)	05/05/92-07/22/93	1	6	
SACN0083	Yes	46325	O,P-DDE IN WHOLE WATER SAMPLE (UG/L)	05/04/94-05/04/94	0	1	
SACN0343	Yes	46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	04/26/86-04/26/86	0	1	
SACN0007	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	07/14/92-07/14/92	0	1	
SACN0017	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	07/14/92-07/14/92	0	1	
SACN0373	Yes	50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	12/03/74-12/03/74	0	1	
SACN0373	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/03/74-12/03/74	0	1	
SACN0246	No	60050	ALGAE, TOTAL (CELLS/ML)	10/02/74-11/03/80	6	30	
SACN0065	No	61509	ZINC SLUDGE SOLID FRACTN,DRY WT,MG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	61509	ZINC SLUDGE SOLID FRACTN,DRY WT,MG/KG	05/04/94-05/04/94	0	1	
SACN0308	No	61509	ZINC SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	0	1	
SACN0332	Yes	61509	ZINC SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	0	1	
SACN0444	No	61509	ZINC SLUDGE SOLID FRACTN,DRY WT,MG/KG	09/24/87-06/28/94	6	9	
SACN0065	No	61515	NICKEL SLUDGE SOLID FRACTN,DRY WT,MG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	61515	NICKEL SLUDGE SOLID FRACTN,DRY WT,MG/KG	05/04/94-05/04/94	0	1	
SACN0308	No	61515	NICKEL SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	0	1	
SACN0332	Yes	61515	NICKEL SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	0	1	
SACN0308	No	61521	ARSENIC SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	0	1	
SACN0332	Yes	61521	ARSENIC SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	0	1	
SACN0247	No	61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	02/03/88-02/03/88	0	1	
SACN0248	No	61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	02/02/88-02/02/88	0	1	
SACN0275	No	61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	02/03/88-02/03/88	0	2	
SACN0285	No	61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	02/02/88-02/02/88	0	1	
SACN0308	No	61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	0	1	
SACN0332	Yes	61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	0	1	
SACN0444	No	61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	09/24/87-06/13/89	1	7	
SACN0008	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/01/84-11/01/84	0	1	
SACN0019	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/01/84-11/01/84	0	1	
SACN0059	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/04/84-11/04/84	0	1	
SACN0064	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/04/84-11/04/84	0	1	
SACN0112	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/03/84-11/03/84	0	1	
SACN0118	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/03/84-11/03/84	0	1	
SACN0146	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/03/84-11/03/84	0	1	
SACN0157	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/28/84-10/28/84	0	1	
SACN0171	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/28/84-10/28/84	0	1	
SACN0266	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/28/84-10/28/84	0	1	
SACN0338	Yes	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	11/06/73-09/25/74	0	11	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0372	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/18/82-09/01/82	0	6	
SACN0388	Yes	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	11/13/74-12/08/76	2	27	
SACN0432	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	12/19/72-12/21/76	4	46	
SACN0041	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/20/75-08/26/85	9	28	
SACN0067	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/05/76-04/01/76	0	2	
SACN0068	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/68-08/26/85	17	29	
SACN0085	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/09/82-11/09/82	0	2	
SACN0103	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/28/86-08/28/86	0	1	
SACN0120	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/20/84-08/27/86	2	2	
SACN0123	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/20/84-08/27/86	2	2	
SACN0147	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/09/70-10/09/70	0	1	
SACN0151	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/66-08/27/85	18	31	
SACN0205	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/68-06/06/68	0	1	
SACN0226	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/07/68-06/07/68	0	1	
SACN0228	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/08/87-04/08/87	0	2	
SACN0246	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/66-02/24/86	19	75	
SACN0248	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/08/87-04/08/87	0	2	
SACN0305	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/25/66-08/23/83	16	30	
SACN0313	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/81-08/27/85	4	2	
SACN0316	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/07/68-06/07/68	0	1	
SACN0338	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/73-09/25/74	0	11	
SACN0360	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/14/74-11/14/74	0	5	
SACN0373	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/03/74-12/03/74	0	2	
SACN0383	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/06/67-04/06/67	0	1	
SACN0388	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/13/74-01/31/79	4	29	
SACN0393	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/22/77-09/25/79	2	33	
SACN0411	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/80-11/12/81	1	9	
SACN0416	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/80-11/05/80	0	1	
SACN0419	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/80-11/12/81	1	9	
SACN0420	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/12/81-11/12/81	0	1	
SACN0432	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/19/72-01/21/77	4	45	
SACN0443	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/24/77-08/31/79	2	29	
SACN0451	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/05/67-09/05/67	0	1	
SACN0041	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/20/75-04/11/83	7	26	
SACN0067	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/05/76-04/01/76	0	2	
SACN0068	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/20/75-04/11/83	7	26	
SACN0103	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/28/86-08/28/86	0	1	
SACN0120	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/27/86-08/27/86	0	1	
SACN0123	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/27/86-08/27/86	0	1	
SACN0147	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/09/70-10/09/70	0	1	
SACN0151	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/23/75-08/27/85	9	26	
SACN0205	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/06/68-06/06/68	0	1	
SACN0226	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/07/68-06/07/68	0	1	
SACN0246	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/74-02/24/86	11	61	
SACN0305	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/22/75-04/08/83	7	26	
SACN0313	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/27/85-08/27/85	0	1	
SACN0316	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/07/68-06/07/68	0	1	
SACN0411	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/05/80-11/12/81	1	5	
SACN0416	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/05/80-11/05/80	0	1	
SACN0419	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/05/80-11/12/81	1	5	
SACN0420	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/12/81-11/12/81	0	1	
SACN0041	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/20/75-08/24/82	6	25	
SACN0067	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	02/05/76-04/01/76	0	2	
SACN0068	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/06/68-08/24/82	14	26	
SACN0151	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/05/68-08/24/82	14	26	
SACN0205	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/06/68-06/06/68	0	1	
SACN0226	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/07/68-06/07/68	0	1	
SACN0246	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/02/74-11/02/82	8	59	
SACN0305	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/22/75-08/26/82	6	25	
SACN0313	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/19/81-08/19/81	0	1	
SACN0316	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/07/68-06/07/68	0	1	
SACN0338	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	11/06/73-09/25/74	0	11	
SACN0383	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	04/06/67-04/06/67	0	1	
SACN0388	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	11/13/74-01/31/79	4	29	
SACN0393	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	02/22/77-09/25/79	2	33	
SACN0420	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	11/12/81-11/12/81	0	1	
SACN0432	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	12/19/72-01/21/77	4	47	
SACN0443	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	02/24/77-08/31/79	2	29	
SACN0451	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	09/05/67-09/05/67	0	1	
SACN0041	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/20/75-08/24/82	6	25	
SACN0067	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/05/76-04/01/76	0	2	
SACN0068	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/06/68-08/24/82	14	26	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0085	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/09/82-11/09/82	0	2	
SACN0147	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/09/70-10/09/70	0	1	
SACN0151	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/05/68-08/24/82	14	26	
SACN0205	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/06/68-06/06/68	0	1	
SACN0226	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/07/68-06/07/68	0	1	
SACN0246	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/74-11/02/82	8	59	
SACN0305	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/03/68-08/26/82	14	26	
SACN0313	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/81-08/19/81	0	1	
SACN0316	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/07/68-06/07/68	0	1	
SACN0338	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/06/73-09/25/74	0	11	
SACN0383	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/06/67-04/06/67	0	1	
SACN0388	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/13/74-01/31/79	4	29	
SACN0393	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/22/77-09/25/79	2	33	
SACN0411	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/05/80-11/12/81	1	9	
SACN0416	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/05/80-11/05/80	0	1	
SACN0419	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/05/80-11/12/81	1	9	
SACN0420	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/12/81-11/12/81	0	1	
SACN0432	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/19/72-01/21/77	4	47	
SACN0443	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/24/77-08/31/79	2	29	
SACN0451	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/05/67-09/05/67	0	1	
SACN0452	No	70314	DACONIL(C8CL4N2) IN WATER UG/L	05/28/91-07/29/91	0	3	
SACN0354	Yes	70318	SOLIDS, TOTAL, PERCENT OF WET SAMPLE	06/06/78-06/06/78	0	1	
SACN0065	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	05/04/94-05/04/94	0	1	
SACN0083	Yes	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	05/04/94-05/04/94	0	1	
SACN0209	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	06/01/83-06/01/83	0	1	
SACN0241	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	0	1	
SACN0243	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	0	1	
SACN0247	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	02/03/88-02/03/88	0	1	
SACN0248	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	02/02/88-03/15/89	1	2	
SACN0265	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	0	1	
SACN0270	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	0	1	
SACN0273	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	0	1	
SACN0275	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	02/03/88-02/03/88	0	2	
SACN0283	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	0	1	
SACN0285	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	02/02/88-02/02/88	0	1	
SACN0444	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	06/13/88-06/28/94	6	7	
SACN0444	No	70322	SOLIDS, VOLATILE, PERCENT OF TOTAL SOLIDS	09/24/87-06/28/94	6	5	
SACN0041	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/01/76-08/22/83	7	23	
SACN0068	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/19/76-08/22/83	7	23	
SACN0115	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/04/76-08/25/83	7	16	
SACN0151	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/05/76-08/24/83	7	24	
SACN0172	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/05/76-08/24/83	7	16	
SACN0205	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/05/76-08/24/83	7	16	
SACN0246	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/09/76-04/04/86	10	61	
SACN0305	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	08/26/82-08/26/82	0	1	
SACN0313	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	08/11/77-08/23/83	6	11	
SACN0006	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/15/74-05/15/74	0	1	
SACN0013	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/11/73-10/23/74	1	14	
SACN0103	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/28/86-08/28/86	0	1	
SACN0120	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/84-08/27/86	2	2	
SACN0123	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/84-08/27/86	2	2	
SACN0191	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/22/90-08/22/90	0	1	
SACN0193	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/22/90-09/13/90	0	2	
SACN0196	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/22/90-08/22/90	0	1	
SACN0218	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/73-02/08/75	1	7	
SACN0220	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/73-02/08/75	1	17	
SACN0306	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/73-10/08/74	1	6	
SACN0332	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/73-02/09/75	1	16	
SACN0379	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/20/91-08/26/92	1	6	
SACN0392	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/31/78-05/31/78	0	1	
SACN0400	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/27/91-08/27/92	1	12	
SACN0427	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/21/91-08/26/92	1	6	
SACN0432	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/10/73-10/10/73	0	1	
SACN0463	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/24/77-06/24/77	0	1	
SACN0246	No	70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	01/11/77-06/09/80	3	3	
SACN0365	Yes	70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	06/19/79-06/19/79	0	1	
SACN0246	No	70955	CHLOROPHYLL-A,PERIDHYTON UG/L,CHROMO-SPECTRO	01/11/77-01/11/77	0	1	
SACN0246	No	70956	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-SPECTRO	01/11/77-01/11/77	0	1	
SACN0246	No	70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	06/08/78-06/09/80	2	4	
SACN0365	Yes	70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	06/21/78-06/19/79	0	2	
SACN0246	No	70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	06/08/78-06/09/80	2	4	
SACN0365	Yes	70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	06/21/78-06/19/79	0	2	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0343	Yes	70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	04/26/86-04/26/86	0	1	
SACN0041	Yes	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/16/79-10/14/80	1	6	
SACN0068	Yes	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/16/79-10/14/80	1	6	
SACN0115	Yes	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/18/79-07/08/80	1	3	
SACN0151	Yes	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/18/79-10/15/80	1	6	
SACN0172	Yes	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/18/79-07/09/80	1	4	
SACN0205	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/19/79-07/09/80	1	4	
SACN0246	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/20/79-01/12/81	1	8	
SACN0305	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	08/20/79-10/16/80	1	5	
SACN0313	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/19/79-07/09/80	1	4	
SACN0085	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/09/82-11/09/82	0	2	
SACN0103	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/28/86-08/28/86	0	1	
SACN0120	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/27/86-08/27/86	0	1	
SACN0123	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/27/86-08/27/86	0	1	
SACN0246	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/10/79-04/04/86	6	22	
SACN0338	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/06/73-09/25/74	0	11	
SACN0372	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	03/18/82-09/01/82	0	6	
SACN0388	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/13/74-12/08/76	2	26	
SACN0432	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	12/19/72-12/21/76	4	40	
SACN0383	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/06/67-04/06/67	0	1	
SACN0008	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/01/84-11/01/84	0	1	
SACN0019	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/01/84-11/01/84	0	1	
SACN0059	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/04/84-11/04/84	0	1	
SACN0064	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/04/84-11/04/84	0	1	
SACN0068	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/06/68-06/06/68	0	1	
SACN0112	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/03/84-11/03/84	0	1	
SACN0118	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/03/84-11/03/84	0	1	
SACN0146	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/03/84-11/03/84	0	1	
SACN0147	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/70-10/09/70	0	1	
SACN0151	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/05/66-06/05/68	1	3	
SACN0157	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/28/84-10/28/84	0	1	
SACN0171	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/28/84-10/28/84	0	1	
SACN0205	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/06/68-06/06/68	0	1	
SACN0226	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/07/68-06/07/68	0	1	
SACN0246	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/06/66-11/06/66	0	1	
SACN0266	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/28/84-10/28/84	0	1	
SACN0305	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/25/66-06/03/68	1	3	
SACN0316	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/07/68-06/07/68	0	1	
SACN0338	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/06/73-09/25/74	0	11	
SACN0383	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/06/67-04/06/67	0	1	
SACN0388	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/13/74-12/08/76	2	27	
SACN0432	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	12/19/72-12/21/76	4	45	
SACN0451	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/05/67-09/05/67	0	1	
SACN0338	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/06/73-09/25/74	0	11	
SACN0388	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/13/74-12/08/76	2	26	
SACN0432	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/19/72-12/21/76	4	45	
SACN0147	No	71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	10/09/70-10/09/70	0	1	
SACN0008	No	71885	IRON (UG/L AS FE)	11/01/84-11/01/84	0	1	
SACN0019	No	71885	IRON (UG/L AS FE)	11/01/84-11/01/84	0	1	
SACN0059	No	71885	IRON (UG/L AS FE)	11/04/84-11/04/84	0	1	
SACN0064	No	71885	IRON (UG/L AS FE)	11/04/84-11/04/84	0	1	
SACN0068	Yes	71885	IRON (UG/L AS FE)	06/06/68-06/06/68	0	1	
SACN0112	No	71885	IRON (UG/L AS FE)	11/03/84-11/03/84	0	1	
SACN0118	No	71885	IRON (UG/L AS FE)	11/03/84-11/03/84	0	1	
SACN0146	No	71885	IRON (UG/L AS FE)	11/03/84-11/03/84	0	1	
SACN0147	No	71885	IRON (UG/L AS FE)	10/09/70-10/09/70	0	1	
SACN0151	Yes	71885	IRON (UG/L AS FE)	06/05/68-06/05/68	0	1	
SACN0157	No	71885	IRON (UG/L AS FE)	10/28/84-10/28/84	0	1	
SACN0171	No	71885	IRON (UG/L AS FE)	10/28/84-10/28/84	0	1	
SACN0205	No	71885	IRON (UG/L AS FE)	06/06/68-06/06/68	0	1	
SACN0226	No	71885	IRON (UG/L AS FE)	06/07/68-06/07/68	0	1	
SACN0266	No	71885	IRON (UG/L AS FE)	10/28/84-10/28/84	0	1	
SACN0305	No	71885	IRON (UG/L AS FE)	11/25/66-06/03/68	1	2	
SACN0316	No	71885	IRON (UG/L AS FE)	06/07/68-06/07/68	0	1	
SACN0451	No	71885	IRON (UG/L AS FE)	09/05/67-09/05/67	0	1	
SACN0041	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/16/79-08/26/85	6	14	
SACN0049	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/17/81-10/15/81	0	2	
SACN0050	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/17/81-10/15/81	0	2	
SACN0068	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/16/79-08/26/85	6	14	
SACN0103	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/28/86-08/28/86	0	1	
SACN0115	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/18/79-08/25/83	4	9	
SACN0120	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/27/86-08/27/86	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0123	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/27/86-08/27/86	0	1	
SACN0147	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/70-10/09/70	0	1	
SACN0151	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/18/79-08/27/85	6	14	
SACN0172	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/18/79-08/24/83	4	11	
SACN0205	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/19/79-08/24/83	4	10	
SACN0246	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/20/79-04/04/86	6	36	
SACN0261	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/20/81-07/20/83	1	3	
SACN0289	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/20/81-07/21/83	1	3	
SACN0293	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/20/81-07/21/83	1	3	
SACN0305	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/20/79-08/23/83	4	12	
SACN0307	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/20/81-07/21/83	1	3	
SACN0313	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/19/79-08/27/85	6	11	
SACN0339	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/21/81-07/20/83	1	3	
SACN0041	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/20/75-04/07/82	6	24	
SACN0049	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/17/81-10/15/81	0	2	
SACN0050	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/17/81-10/15/81	0	2	
SACN0067	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/05/76-04/01/76	0	2	
SACN0068	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/20/75-04/07/82	6	23	
SACN0103	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/28/86-08/28/86	0	1	
SACN0115	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/21/75-04/15/82	6	13	
SACN0151	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/23/75-04/17/82	6	24	
SACN0172	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/23/75-08/25/82	6	15	
SACN0205	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/23/75-04/16/82	6	14	
SACN0246	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/02/74-04/09/81	6	48	
SACN0261	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/20/81-08/20/81	0	1	
SACN0289	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/20/81-08/17/82	0	2	
SACN0293	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/20/81-08/20/81	0	1	
SACN0305	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/75-08/26/82	6	25	
SACN0307	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/20/81-08/17/82	0	2	
SACN0313	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/75-04/16/82	6	14	
SACN0338	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	11/06/73-09/25/74	0	11	
SACN0339	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/21/81-08/21/81	0	1	
SACN0388	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	11/13/74-12/08/76	2	27	
SACN0432	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	11/28/73-12/21/76	3	39	
SACN0085	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	08/13/81-06/09/86	4	97	
SACN0246	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/02/74-02/24/86	11	38	
SACN0305	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/06/77-06/06/77	0	1	
SACN0388	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	02/01/77-09/16/80	3	17	
SACN0393	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	02/22/77-09/08/81	4	16	
SACN0432	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	05/07/73-05/07/73	0	1	
SACN0443	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	02/24/77-09/03/81	4	18	
SACN0246	No	71895	MERCURY, SUSPENDED (UG/L AS HG)	10/02/74-04/06/82	7	19	
SACN0305	No	71895	MERCURY, SUSPENDED (UG/L AS HG)	06/06/77-06/06/77	0	1	
SACN0388	Yes	71895	MERCURY, SUSPENDED (UG/L AS HG)	02/01/77-08/06/79	2	16	
SACN0393	Yes	71895	MERCURY, SUSPENDED (UG/L AS HG)	02/22/77-08/09/79	2	14	
SACN0443	No	71895	MERCURY, SUSPENDED (UG/L AS HG)	02/24/77-08/31/79	2	16	
SACN0041	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/20/75-08/22/83	7	9	
SACN0068	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/20/75-08/22/83	7	9	
SACN0103	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/28/86-08/28/86	0	1	
SACN0111	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/23/77-02/26/79	1	24	
SACN0120	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/20/84-08/27/86	2	2	
SACN0123	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/20/84-08/27/86	2	2	
SACN0151	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/23/75-08/24/83	7	9	
SACN0187	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-10/20/86	16	63	
SACN0209	No	71900	MERCURY, TOTAL (UG/L AS HG)	02/08/82-09/12/83	1	13	
SACN0246	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/02/74-08/18/82	7	22	
SACN0251	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-07/21/77	6	44	
SACN0261	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/20/81-07/20/83	1	4	
SACN0305	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/22/75-08/23/83	7	10	
SACN0307	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/20/81-07/21/83	1	3	
SACN0336	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-06/25/71	0	11	
SACN0354	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	07/15/70-10/28/86	16	65	
SACN0366	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-06/25/71	0	11	
SACN0373	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	12/03/74-12/03/74	0	2	
SACN0385	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/28/80-06/28/83	2	3	
SACN0388	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	11/13/74-09/08/81	6	27	
SACN0390	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/06/86-05/01/86	0	3	
SACN0392	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/11/80-08/11/80	0	2	
SACN0393	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	02/22/77-09/08/81	4	23	
SACN0413	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/06/80-05/06/80	0	1	
SACN0417	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/06/80-05/06/80	0	1	
SACN0418	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/06/80-05/06/80	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0432	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/06/70-10/10/73	3	3	
SACN0441	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-10/28/86	15	43	
SACN0443	No	71900	MERCURY, TOTAL (UG/L AS HG)	02/24/77-09/03/81	4	25	
SACN0444	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/19/77-05/01/86	9	29	
SACN0452	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/07/74-04/22/76	1	9	
SACN0455	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-04/19/76	5	47	
SACN0065	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/04/94-05/04/94	0	1	
SACN0083	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/04/94-05/04/94	0	1	
SACN0209	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/01/83-06/01/83	0	1	
SACN0247	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	02/03/88-02/03/88	0	1	
SACN0248	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	02/02/88-06/19/92	4	5	
SACN0275	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	02/03/88-02/03/88	0	2	
SACN0285	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	02/02/88-02/02/88	0	1	
SACN0308	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/16/93-07/16/93	0	1	
SACN0332	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/16/93-07/16/93	0	1	
SACN0354	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/06/78-06/06/78	0	1	
SACN0444	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/29/88-06/28/94	5	6	
SACN0003	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/24/85-09/16/86	0	4	
SACN0020	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/23/86-04/23/86	0	3	
SACN0032	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/10/85-08/15/85	0	4	
SACN0033	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/04/84-07/05/85	0	5	
SACN0034	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/05/85-07/05/85	0	4	
SACN0035	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/04/84-06/20/85	0	7	
SACN0038	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/27/84-07/27/84	0	1	
SACN0043	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/21/70-09/21/70	0	18	
SACN0052	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/17/84-09/17/84	0	3	
SACN0081	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/10/84-05/28/86	1	12	
SACN0082	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/01/84-09/18/86	1	6	
SACN0086	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	01/01/83-06/26/83	0	3	
SACN0088	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/03/84-10/03/84	0	3	
SACN0089	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/18/84-09/18/84	0	2	
SACN0091	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/17/84-09/17/84	0	3	
SACN0096	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/17/84-09/17/84	0	3	
SACN0099	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/03/84-10/03/84	0	3	
SACN0105	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/21/86-04/21/86	0	3	
SACN0111	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/17/77-09/21/82	5	18	
SACN0130	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/01/84-10/01/84	0	3	
SACN0148	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/08/84-05/01/86	1	13	
SACN0150	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/01/78-09/21/82	4	15	
SACN0159	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/20/91-08/20/91	0	8	
SACN0164	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/17/85-06/06/86	0	10	
SACN0177	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/02/85-09/27/86	0	15	
SACN0186	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/16/91-08/16/91	0	1	
SACN0187	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/23/89-08/30/89	0	14	
SACN0209	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/29/82-06/21/88	5	15	
SACN0214	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/19/91-08/19/91	0	10	
SACN0215	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/23/86-09/23/86	0	7	
SACN0225	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/19/84-09/19/84	0	4	
SACN0235	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/05/70-08/05/70	0	31	
SACN0251	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/13/89-09/13/89	0	9	
SACN0253	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/16/86-04/18/86	0	3	
SACN0256	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/26/91-09/26/91	0	4	
SACN0319	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/23/86-07/23/86	0	1	
SACN0330	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/26/91-09/26/91	0	2	
SACN0341	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/27/84-11/15/86	2	7	
SACN0346	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/26/85-09/18/86	1	8	
SACN0354	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/01/78-11/15/86	8	12	
SACN0366	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/26/91-09/26/91	0	5	
SACN0375	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/20/84-06/20/84	0	2	
SACN0380	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/06/80-09/17/87	7	18	
SACN0400	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/26/83-07/26/83	0	2	
SACN0429	Yes	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/26/91-09/26/91	0	2	
SACN0441	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/06/83-10/06/83	0	3	
SACN0445	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/02/83-08/02/90	7	13	
SACN0003	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	04/21/87-09/28/91	4	40	
SACN0020	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	01/13/87-05/23/88	1	16	
SACN0040	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	06/07/88-06/07/88	0	5	
SACN0042	Yes	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	05/24/86-06/04/87	1	4	
SACN0052	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	09/15/88-09/15/88	0	4	
SACN0081	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	04/09/87-04/10/87	0	11	
SACN0097	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	10/19/87-10/19/87	0	4	
SACN0100	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	10/13/87-10/13/87	0	6	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0116	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	10/04/87-10/14/87	0	7	
SACN0140	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	04/19/88-04/19/88	0	2	
SACN0175	Yes	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	08/15/89-08/15/89	0	1	
SACN0237	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	05/23/89-05/23/89	0	11	
SACN0250	Yes	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	08/15/89-08/15/89	0	1	
SACN0253	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	04/19/88-07/29/92	4	24	
SACN0258	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	06/07/87-06/18/87	0	7	
SACN0272	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	08/16/89-08/16/89	0	1	
SACN0302	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	06/02/87-06/04/87	0	4	
SACN0318	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	05/29/87-05/29/87	0	6	
SACN0341	Yes	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	05/23/89-10/29/91	2	22	
SACN0343	Yes	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	04/26/86-04/26/86	0	1	
SACN0111	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/17/77-09/21/82	5	18	
SACN0150	Yes	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/01/78-09/21/82	4	15	
SACN0209	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/29/82-07/03/85	2	3	
SACN0253	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/22/89-05/22/89	0	2	
SACN0354	Yes	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/01/78-06/29/79	1	7	
SACN0111	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/17/77-09/21/82	5	18	
SACN0150	Yes	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/01/78-09/21/82	4	15	
SACN0209	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/29/82-07/29/82	0	2	
SACN0354	Yes	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/01/78-06/29/79	1	7	
SACN0111	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	08/17/77-09/21/82	5	18	
SACN0150	Yes	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	08/01/78-09/21/82	4	15	
SACN0209	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	07/29/82-07/29/82	0	2	
SACN0354	Yes	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	06/01/78-06/29/79	1	7	
SACN0111	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/17/77-09/21/82	5	18	
SACN0150	Yes	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/01/78-09/21/82	4	15	
SACN0209	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/29/82-07/03/85	2	3	
SACN0354	Yes	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/01/78-06/29/79	1	7	
SACN0085	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	08/13/81-11/13/86	5	205	
SACN0008	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/01/84-11/01/84	0	1	
SACN0019	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/01/84-11/01/84	0	1	
SACN0059	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/04/84-11/04/84	0	1	
SACN0064	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/04/84-11/04/84	0	1	
SACN0112	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/03/84-11/03/84	0	1	
SACN0118	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/03/84-11/03/84	0	1	
SACN0146	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/03/84-11/03/84	0	1	
SACN0157	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/28/84-10/28/84	0	1	
SACN0171	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/28/84-10/28/84	0	1	
SACN0266	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/28/84-10/28/84	0	1	
SACN0411	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	11/05/80-11/12/81	1	9	
SACN0416	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	11/05/80-11/05/80	0	1	
SACN0419	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	11/05/80-11/12/81	1	9	
SACN0001	No	74010	IRON, TOTAL (MG/L AS FE)	07/09/79-07/09/79	0	2	
SACN0012	No	74010	IRON, TOTAL (MG/L AS FE)	07/09/79-07/09/79	0	2	
SACN0014	No	74010	IRON, TOTAL (MG/L AS FE)	07/09/79-07/09/79	0	2	
SACN0029	No	74010	IRON, TOTAL (MG/L AS FE)	07/09/79-07/09/79	0	1	
SACN0030	No	74010	IRON, TOTAL (MG/L AS FE)	07/06/79-07/06/79	0	2	
SACN0039	No	74010	IRON, TOTAL (MG/L AS FE)	07/20/79-07/21/79	0	2	
SACN0044	No	74010	IRON, TOTAL (MG/L AS FE)	07/20/79-07/20/79	0	1	
SACN0045	No	74010	IRON, TOTAL (MG/L AS FE)	07/16/79-07/16/79	0	2	
SACN0054	No	74010	IRON, TOTAL (MG/L AS FE)	07/24/79-07/24/79	0	2	
SACN0055	No	74010	IRON, TOTAL (MG/L AS FE)	07/15/79-07/15/79	0	1	
SACN0061	No	74010	IRON, TOTAL (MG/L AS FE)	07/26/79-07/26/79	0	1	
SACN0070	No	74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	0	1	
SACN0071	No	74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	0	2	
SACN0072	No	74010	IRON, TOTAL (MG/L AS FE)	07/26/79-07/26/79	0	2	
SACN0074	No	74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	0	1	
SACN0077	No	74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	0	1	
SACN0078	No	74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	0	2	
SACN0079	No	74010	IRON, TOTAL (MG/L AS FE)	07/26/79-07/26/79	0	2	
SACN0080	No	74010	IRON, TOTAL (MG/L AS FE)	05/12/93-04/20/94	0	3	
SACN0087	No	74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	0	1	
SACN0094	No	74010	IRON, TOTAL (MG/L AS FE)	07/18/79-07/18/79	0	1	
SACN0095	No	74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	0	1	
SACN0098	No	74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	0	1	
SACN0104	No	74010	IRON, TOTAL (MG/L AS FE)	10/28/86-04/28/94	7	19	
SACN0106	No	74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	0	1	
SACN0107	No	74010	IRON, TOTAL (MG/L AS FE)	08/12/79-08/12/79	0	2	
SACN0113	No	74010	IRON, TOTAL (MG/L AS FE)	08/12/79-08/12/79	0	1	
SACN0125	No	74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	0	2	
SACN0126	No	74010	IRON, TOTAL (MG/L AS FE)	08/12/79-08/12/79	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0135	No	74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	0	1	
SACN0137	No	74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	0	1	
SACN0138	No	74010	IRON, TOTAL (MG/L AS FE)	08/12/79-08/12/79	0	2	
SACN0139	No	74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	0	3	
SACN0141	No	74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	0	2	
SACN0143	No	74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	0	2	
SACN0145	No	74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	0	2	
SACN0149	No	74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	0	1	
SACN0152	No	74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	0	1	
SACN0153	No	74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	0	2	
SACN0154	No	74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	0	1	
SACN0155	No	74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	0	2	
SACN0156	No	74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	0	2	
SACN0158	No	74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	0	1	
SACN0162	No	74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	0	2	
SACN0163	No	74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	0	1	
SACN0165	No	74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	0	1	
SACN0168	No	74010	IRON, TOTAL (MG/L AS FE)	08/16/79-08/16/79	0	2	
SACN0170	No	74010	IRON, TOTAL (MG/L AS FE)	08/16/79-08/16/79	0	2	
SACN0173	No	74010	IRON, TOTAL (MG/L AS FE)	08/16/79-08/16/79	0	1	
SACN0216	No	74010	IRON, TOTAL (MG/L AS FE)	08/09/79-08/09/79	0	1	
SACN0219	No	74010	IRON, TOTAL (MG/L AS FE)	08/09/79-08/09/79	0	2	
SACN0220	No	74010	IRON, TOTAL (MG/L AS FE)	07/21/92-08/03/92	0	3	
SACN0221	No	74010	IRON, TOTAL (MG/L AS FE)	10/28/93-10/28/93	0	1	
SACN0222	No	74010	IRON, TOTAL (MG/L AS FE)	10/28/93-10/28/93	0	1	
SACN0228	No	74010	IRON, TOTAL (MG/L AS FE)	03/10/87-10/06/93	6	37	
SACN0231	No	74010	IRON, TOTAL (MG/L AS FE)	08/28/79-08/28/79	0	2	
SACN0238	No	74010	IRON, TOTAL (MG/L AS FE)	08/07/79-08/07/79	0	1	
SACN0242	No	74010	IRON, TOTAL (MG/L AS FE)	08/09/79-08/09/79	0	1	
SACN0244	No	74010	IRON, TOTAL (MG/L AS FE)	10/05/93-10/05/93	0	1	
SACN0248	No	74010	IRON, TOTAL (MG/L AS FE)	04/10/86-10/06/93	7	19	
SACN0267	No	74010	IRON, TOTAL (MG/L AS FE)	08/07/79-08/07/79	0	1	
SACN0268	No	74010	IRON, TOTAL (MG/L AS FE)	08/07/79-08/07/79	0	1	
SACN0269	No	74010	IRON, TOTAL (MG/L AS FE)	08/28/79-08/28/79	0	1	
SACN0286	No	74010	IRON, TOTAL (MG/L AS FE)	08/07/79-08/07/79	0	1	
SACN0290	No	74010	IRON, TOTAL (MG/L AS FE)	11/03/93-11/18/93	0	2	
SACN0292	No	74010	IRON, TOTAL (MG/L AS FE)	10/05/93-10/05/93	0	1	
SACN0295	No	74010	IRON, TOTAL (MG/L AS FE)	08/28/79-08/28/79	0	2	
SACN0296	No	74010	IRON, TOTAL (MG/L AS FE)	10/05/93-10/05/93	0	1	
SACN0322	Yes	74010	IRON, TOTAL (MG/L AS FE)	08/28/79-08/28/79	0	2	
SACN0333	Yes	74010	IRON, TOTAL (MG/L AS FE)	08/28/79-08/28/79	0	1	
SACN0452	No	75980	ATRAZINE,DE-ISOPROPYL-, WATER, TOTAL UG/L	05/05/92-07/22/93	1	6	
SACN0452	No	75981	ATRAZINE,DE-ETHYL-, WATER, TOTAL UG/L	05/05/92-07/22/93	1	6	
SACN0343	Yes	76530	BIPHENYL TISSUE ,WET WGT,MG/KG	04/26/86-04/26/86	0	1	
SACN0083	Yes	77780	BLADEX 2-(4-CHLORO-6-ETHYLAMINO-S*WHOLE WATER,UG/L	05/04/94-05/04/94	0	1	
SACN0452	No	77825	ALACHLOR WHOLE WATER,UG/L	05/28/91-07/22/93	2	9	
SACN0083	Yes	78397	2,4,5-TRICHLOROPHENOL SEDWETWTMG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	78679	PERYLENE IN SEDIMENT UG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	05/04/94-05/04/94	0	1	
SACN0343	Yes	78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	04/26/86-04/26/86	0	1	
SACN0083	Yes	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	05/04/94-05/04/94	0	1	
SACN0175	Yes	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	08/15/89-08/15/89	0	1	
SACN0250	Yes	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	08/15/89-08/15/89	0	1	
SACN0272	No	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	08/16/89-08/16/89	0	1	
SACN0341	Yes	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	08/15/89-10/29/91	2	4	
SACN0343	Yes	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	04/26/86-04/26/86	0	1	
SACN0444	No	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	06/13/88-06/13/88	0	1	
SACN0175	Yes	78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	08/15/89-08/15/89	0	1	
SACN0250	Yes	78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	08/15/89-08/15/89	0	1	
SACN0272	No	78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	08/16/89-08/16/89	0	1	
SACN0341	Yes	78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	08/15/89-10/29/91	2	4	
SACN0343	Yes	78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	04/26/86-04/26/86	0	1	
SACN0083	Yes	78924	NONACHLOR, CIS, SEDIMENT, DRY WEIGHT UG/KG	05/04/94-05/04/94	0	1	
SACN0444	No	78924	NONACHLOR, CIS, SEDIMENT, DRY WEIGHT UG/KG	06/13/88-06/13/88	0	1	
SACN0081	No	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	08/10/84-05/28/86	1	3	
SACN0150	Yes	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	08/01/78-09/21/82	4	15	
SACN0175	Yes	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	08/15/89-08/15/89	0	1	
SACN0177	No	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	09/27/86-09/27/86	0	1	
SACN0250	Yes	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	08/15/89-08/15/89	0	1	
SACN0253	No	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	05/22/89-07/29/92	3	5	
SACN0258	No	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	06/07/87-06/18/87	0	15	
SACN0272	No	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	08/16/89-08/16/89	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0319	No	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	07/23/86-07/23/86	0	3	
SACN0341	Yes	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	09/27/84-10/29/91	7	67	
SACN0376	Yes	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	09/14/84-10/14/85	1	5	
SACN0387	Yes	78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	06/03/82-05/26/89	6	13	
SACN0387	Yes	78928	PCB 1248/1254, TISSUE, WET WEIGHT MG/KG	05/24/89-05/24/89	0	1	
SACN0341	Yes	78929	PCB 1254/1260, TISSUE, WET WEIGHT MG/KG	10/29/91-10/29/91	0	3	
SACN0332	Yes	78934	PCB 1242/1254, WATER, WHOLE UG/L	07/16/93-07/16/93	0	1	
SACN0343	Yes	79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	04/26/86-04/26/86	0	1	
SACN0187	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/14/87-07/14/87	0	1	
SACN0354	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/29/87-07/29/87	0	1	
SACN0441	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/29/87-08/30/94	7	25	
SACN0463	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	06/24/77-06/24/77	0	1	
SACN0468	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	06/24/77-06/24/77	0	1	
SACN0041	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	9	27	
SACN0067	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/05/76-02/05/76	0	1	
SACN0068	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	9	27	
SACN0115	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/21/75-08/25/83	7	17	
SACN0151	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/09/64-08/27/85	20	34	
SACN0172	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/23/75-08/24/83	7	18	
SACN0205	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/23/75-08/24/83	7	17	
SACN0246	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/03/74-04/04/86	11	69	
SACN0305	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/26/82-08/26/82	0	1	
SACN0313	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/22/75-08/27/85	9	16	
SACN0041	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	6	24	
SACN0067	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	04/01/62-02/05/76	13	2	
SACN0068	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	6	24	
SACN0115	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/21/75-08/24/82	6	15	
SACN0151	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/09/64-08/24/82	17	31	
SACN0172	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/23/75-08/25/82	6	16	
SACN0205	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/23/75-08/25/82	6	15	
SACN0246	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/03/74-08/18/82	7	52	
SACN0305	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/26/82-08/26/82	0	1	
SACN0313	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/22/75-08/25/82	6	13	
SACN0452	No	81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/28/91-07/22/93	2	9	
SACN0343	Yes	81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	04/26/86-04/26/86	0	1	
SACN0452	No	81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	05/28/91-07/22/93	2	9	
SACN0003	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/21/87-09/28/91	4	40	
SACN0020	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	01/13/87-05/23/88	1	16	
SACN0040	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/07/88-06/07/88	0	5	
SACN0042	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/24/86-06/04/87	1	4	
SACN0043	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/21/70-09/21/70	0	18	
SACN0052	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/15/88-09/15/88	0	4	
SACN0081	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/09/87-04/10/87	0	11	
SACN0097	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/19/87-10/19/87	0	4	
SACN0100	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/13/87-10/13/87	0	6	
SACN0111	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/17/77-09/21/82	5	18	
SACN0116	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/04/87-10/14/87	0	7	
SACN0140	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/19/88-04/19/88	0	2	
SACN0159	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/20/91-08/20/91	0	8	
SACN0175	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/89-08/15/89	0	1	
SACN0186	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/16/91-08/16/91	0	1	
SACN0187	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/23/89-08/30/89	0	14	
SACN0209	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/29/82-06/21/88	5	18	
SACN0214	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/19/91-08/19/91	0	10	
SACN0235	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/05/70-08/05/70	0	31	
SACN0237	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/23/89-05/23/89	0	11	
SACN0250	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/89-08/15/89	0	1	
SACN0251	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/13/89-09/13/89	0	9	
SACN0253	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/19/88-07/29/92	4	27	
SACN0256	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/26/91-09/26/91	0	4	
SACN0258	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/07/87-06/18/87	0	17	
SACN0272	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/16/89-08/16/89	0	1	
SACN0302	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/02/87-06/04/87	0	4	
SACN0318	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/29/87-05/29/87	0	6	
SACN0320	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/13/76-07/13/76	0	4	
SACN0321	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	03/01/76-03/01/76	0	3	
SACN0328	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/01/70-07/01/75	4	58	
SACN0330	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/26/91-09/26/91	0	2	
SACN0340	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	03/01/76-03/01/76	0	3	
SACN0341	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/14/86-10/29/91	5	49	
SACN0346	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/21/75-11/05/86	11	29	
SACN0354	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/01/69-09/28/84	14	36	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0358	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/01/69-10/01/69	0	6	
SACN0361	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/29/82-09/25/86	4	16	
SACN0366	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/26/91-09/26/91	0	5	
SACN0375	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/20/84-06/20/84	0	2	
SACN0380	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/24/75-09/17/87	12	58	
SACN0387	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/23/89-05/26/89	0	8	
SACN0400	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/26/83-07/26/83	0	2	
SACN0429	Yes	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/26/91-09/26/91	0	2	
SACN0441	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/22/81-10/06/83	2	4	
SACN0445	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/02/83-08/02/90	7	13	
SACN0111	No	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	08/17/77-08/17/77	0	1	
SACN0321	Yes	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	03/01/76-03/01/76	0	3	
SACN0340	No	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	03/01/76-03/01/76	0	3	
SACN0111	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	08/01/78-09/21/82	4	15	
SACN0150	Yes	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	08/01/78-09/21/82	4	15	
SACN0343	Yes	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	04/26/86-04/26/86	0	1	
SACN0343	Yes	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	04/26/86-04/26/86	0	1	
SACN0343	Yes	81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	04/26/86-04/26/86	0	1	
SACN0209	No	81666	ALUMINUM IN FISH TISSUE WET WEIGHT MG/KG	07/29/82-07/29/82	0	2	
SACN0452	No	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	05/28/91-07/22/93	2	9	
SACN0343	Yes	81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	04/26/86-04/26/86	0	1	
SACN0049	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	08/17/81-08/17/81	0	1	
SACN0050	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	08/17/81-08/17/81	0	1	
SACN0452	No	81894	EPTC (EPTAM) IN WHOLE WATER SAMPLE UG/L	05/05/92-07/20/92	0	3	
SACN0354	Yes	81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	10/01/69-07/23/70	0	5	
SACN0209	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	08/28/84-10/22/86	2	4	
SACN0392	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	07/29/80-10/16/85	5	2	
SACN0400	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	07/10/80-09/08/80	0	3	
SACN0403	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	07/31/86-07/31/86	0	2	
SACN0408	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	07/31/86-07/31/86	0	1	
SACN0187	Yes	81906	DESCRIPTION OF SAMPLE	04/22/91-09/12/94	3	32	
SACN0354	Yes	81906	DESCRIPTION OF SAMPLE	04/24/91-09/15/94	3	32	
SACN0385	Yes	81906	DESCRIPTION OF SAMPLE	04/16/91-09/15/94	3	34	
SACN0441	No	81906	DESCRIPTION OF SAMPLE	04/24/91-09/15/94	3	33	
SACN0452	No	81906	DESCRIPTION OF SAMPLE	04/22/91-09/07/94	3	42	
SACN0083	Yes	81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	05/04/94-05/04/94	0	1	
SACN0248	No	81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	03/15/89-06/19/92	3	4	
SACN0308	No	81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	07/16/93-07/16/93	0	1	
SACN0332	Yes	81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	07/16/93-07/16/93	0	1	
SACN0397	Yes	81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	06/13/94-06/13/94	0	1	
SACN0444	No	81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	06/13/88-06/28/94	6	6	
SACN0452	No	81984	TOTAL SEDIMENT PARTICLE SIZE %COARSER THAN 8.00PHI	05/27/93-07/22/93	0	3	
SACN0209	No	82005	PERCENT TOTAL CARBON(INORG.&ORG.) IN SED DRY WGT	06/01/83-06/01/83	0	1	
SACN0343	Yes	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	04/26/86-04/26/86	0	1	
SACN0008	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/01/84-11/01/84	0	1	
SACN0019	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/01/84-11/01/84	0	1	
SACN0059	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/04/84-11/04/84	0	1	
SACN0064	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/04/84-11/04/84	0	1	
SACN0112	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/03/84-11/03/84	0	1	
SACN0118	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/03/84-11/03/84	0	1	
SACN0146	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/03/84-11/03/84	0	1	
SACN0157	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/28/84-10/28/84	0	1	
SACN0171	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/28/84-10/28/84	0	1	
SACN0266	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/28/84-10/28/84	0	1	
SACN0041	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/24/81-08/18/81	0	3	
SACN0068	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/24/81-08/17/81	0	3	
SACN0151	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/25/81-08/18/81	0	3	
SACN0246	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	01/12/81-04/09/81	0	3	
SACN0305	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/26/81-08/21/81	0	3	
SACN0411	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	11/05/80-08/25/81	0	7	
SACN0416	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	11/05/80-11/05/80	0	1	
SACN0419	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	11/05/80-08/25/81	0	7	
SACN0008	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-11/01/84	0	1	
SACN0019	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-11/01/84	0	1	
SACN0059	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/04/84-11/04/84	0	1	
SACN0064	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/04/84-11/04/84	0	1	
SACN0112	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/03/84-11/03/84	0	1	
SACN0118	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/03/84-11/03/84	0	1	
SACN0146	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/03/84-11/03/84	0	1	
SACN0157	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/84-10/28/84	0	1	
SACN0171	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/84-10/28/84	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 07/15/26 To 04/17/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
SACN0266	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/84-10/28/84	0	1	
SACN0085	No	82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	09/17/85-05/13/86	0	6	
SACN0419	No	82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	08/25/81-08/25/81	0	3	
SACN0085	No	82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	09/17/85-05/13/86	0	6	
SACN0419	No	82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	08/25/81-08/25/81	0	3	
SACN0452	No	82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	05/28/91-07/22/93	2	9	
SACN0049	Yes	82183	2,4-DP (DICHLORPROP) TOTAL UG/L	08/17/81-10/15/81	0	2	
SACN0050	Yes	82183	2,4-DP (DICHLORPROP) TOTAL UG/L	08/17/81-10/15/81	0	2	
SACN0247	No	82294	NITROGEN, AMMONIA, SLUDGE, TOT,DRY WT, AS N, MG/KG	02/03/88-02/03/88	0	1	
SACN0248	No	82294	NITROGEN, AMMONIA, SLUDGE, TOT,DRY WT, AS N, MG/KG	02/02/88-02/02/88	0	1	
SACN0275	No	82294	NITROGEN, AMMONIA, SLUDGE, TOT,DRY WT, AS N, MG/KG	02/03/88-02/03/88	0	2	
SACN0285	No	82294	NITROGEN, AMMONIA, SLUDGE, TOT,DRY WT, AS N, MG/KG	02/02/88-02/02/88	0	1	
SACN0452	No	82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	05/28/91-07/22/93	2	9	
SACN0452	No	82614	DYFONATE (FONOFOS), WATER, TOTAL RECOVERABLE, UG/L	05/28/91-07/22/93	2	9	
SACN0193	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	08/22/90-08/22/90	0	1	
SACN0379	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	06/20/91-08/26/92	1	6	
SACN0392	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	09/11/84-09/05/85	0	8	
SACN0400	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	09/11/84-08/27/92	7	13	
SACN0427	No	82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	06/21/91-08/26/92	1	6	
SACN0179	No	85301	TROPHIC STATE OF LAKE BY ANALYSIS OF DATA NES	01/01/72-01/01/72	0	1	
SACN0356	Yes	85301	TROPHIC STATE OF LAKE BY ANALYSIS OF DATA NES	01/01/72-01/01/72	0	1	
SACN0179	No	85302	STRATIFICATION,PERMANENT SUMMER IN LAKE NES	01/01/72-01/01/72	0	1	
SACN0355	Yes	85302	STRATIFICATION,PERMANENT SUMMER IN LAKE NES	01/01/72-01/01/72	0	1	
SACN0356	Yes	85302	STRATIFICATION,PERMANENT SUMMER IN LAKE NES	01/01/72-01/01/72	0	1	
SACN0179	No	85303	FISH YIELD IN KG/KM2/YEAR NES	01/01/72-01/01/72	0	1	
SACN0355	Yes	85303	FISH YIELD IN KG/KM2/YEAR NES	01/01/72-01/01/72	0	1	
SACN0356	Yes	85303	FISH YIELD IN KG/KM2/YEAR NES	01/01/72-01/01/72	0	1	
SACN0179	No	85304	ALGAL ASSAY CONTROL YIELD NES	01/01/72-01/01/72	0	1	
SACN0179	No	85305	RETENTION TIME, MEAN HYDRAULIC IN DAYS NES	01/01/72-01/01/72	0	1	
SACN0356	Yes	85305	RETENTION TIME, MEAN HYDRAULIC IN DAYS NES	01/01/72-01/01/72	0	1	
SACN0179	No	85307	LATITUDE, NES SURVEY SINGLE VALUE FOR LAKE STNS.	01/01/72-01/01/72	0	1	
SACN0355	Yes	85307	LATITUDE, NES SURVEY SINGLE VALUE FOR LAKE STNS.	01/01/72-01/01/72	0	1	
SACN0356	Yes	85307	LATITUDE, NES SURVEY SINGLE VALUE FOR LAKE STNS.	01/01/72-01/01/72	0	1	
SACN0179	No	85308	LONGITUDE, SINGLE VALUE FOR LAKE STATIONS NES	01/01/72-01/01/72	0	1	
SACN0355	Yes	85308	LONGITUDE, SINGLE VALUE FOR LAKE STATIONS NES	01/01/72-01/01/72	0	1	
SACN0356	Yes	85308	LONGITUDE, SINGLE VALUE FOR LAKE STATIONS NES	01/01/72-01/01/72	0	1	
SACN0179	No	85309	PRECIPITATION FOR LAKE FOR YEAR SAMPLE NES CM/YR	01/01/72-01/01/72	0	1	
SACN0356	Yes	85309	PRECIPITATION FOR LAKE FOR YEAR SAMPLE NES CM/YR	01/01/72-01/01/72	0	1	
SACN0179	No	85310	DEPTH, MAXIMUM FOR LAKE NES SURVEY IN METERS	01/01/72-01/01/72	0	1	
SACN0356	Yes	85310	DEPTH, MAXIMUM FOR LAKE NES SURVEY IN METERS	01/01/72-01/01/72	0	1	
SACN0179	No	85311	DEPTH, MEAN VALUE FOR LAKE IN METERS NES	01/01/72-01/01/72	0	1	
SACN0356	Yes	85311	DEPTH, MEAN VALUE FOR LAKE IN METERS NES	01/01/72-01/01/72	0	1	
SACN0179	No	85312	ROUNDS FOR LAKE IN NUMBER AND TO TOTAL	01/01/72-01/01/72	0	1	
SACN0356	Yes	85312	ROUNDS FOR LAKE IN NUMBER AND TO TOTAL	01/01/72-01/01/72	0	1	
SACN0179	No	85313	ORTHO-PHOSPHATE NES ALGAL ASSAY MG/L	01/01/72-01/01/72	0	1	
SACN0356	Yes	85316	P-LOADING FOR LAKE AND TRIB,MSTP,SEP,IND-GM2/YR	01/01/72-01/01/72	0	1	
SACN0356	Yes	85317	FLOW, MEAN INLET BY MONTH,TRIBUTARIES NES CMS	01/01/72-01/01/72	0	1	
SACN0356	Yes	85318	FLOW, MEAN OUTLET BY MONTH, TRIBUTARIES NES CMS	01/01/72-01/01/72	0	1	
SACN0356	Yes	85319	NITROGEN, TOTAL YR.LOAD RATE FOR LAKE NES G/M2/YR	01/01/72-01/01/72	0	1	
SACN0343	Yes	85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	85682	NITROFEN TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	85683	PERTHANE TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0343	Yes	85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	0	1	
SACN0083	Yes	85753	TOXAPHENE LIKE COMPOUNDS, SOIL, DRY WT, MG/KG	05/04/94-05/04/94	0	1	
SACN0444	No	85753	TOXAPHENE LIKE COMPOUNDS, SOIL, DRY WT, MG/KG	08/29/88-11/29/88	0	2	
SACN0083	Yes	85754	BENZO-A-PYRENE, SOIL, DRY WT, MG/KG	05/04/94-05/04/94	0	1	
SACN0083	Yes	85755	BENZO(A)ANTHRACENE, SOIL, DRY WT, MG/KG	05/04/94-05/04/94	0	1	

[1]T=Time Series Plot, A=Annual Plot, S=Seasonal Plot

Station-By-Station Results

Station Inventory for Station: SACN0001

NPS Station ID: SACN0001 | LAT/LON: 46.249503/ -91.101503 | Agency: 21WIL | Date Created: 08/29/92
Location: CRANBERRY LAKE | FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 044007 /8280AG044007/4406W344007
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 20 | Aquifer:
Major Basin: LAKE SUPERIOR | Elevation: 55 | Water Body Id:
Minor Basin: LAKE SUPERIOR WESTERN BASIN | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 12.80 | On/Off RF1:
RF3 Index: 04010302060200.00 | RF3 Mile Point: 1.58 | Distance from RF3: 0.03 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/09/79-07/09/79	2	78.	78.	78.	78.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/09/79-07/09/79	2	40.	40.	40.	40.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/09/79-07/09/79	2	3.45	3.45	4.6	2.3	2.645	1.626	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/79-07/09/79	2	110.	110.	110.	110.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/79-07/09/79	2	91.	91.	94.	88.	18.	4.243	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/09/79-07/09/79	2	5.2	5.2	8.4	2.	20.48	4.525	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/09/79-07/09/79	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/09/79-07/09/79	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/79-07/09/79	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/79-07/09/79	2	33.5	33.5	34.	33.	0.5	0.707	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/09/79-07/09/79	2	0.7	0.7	0.76	0.64	0.007	0.085	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/79-07/09/79	2	0.525	0.525	0.59	0.46	0.008	0.092	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	2	0.125	0.125	0.13	0.12	0.	0.007	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	2	0.045	0.045	0.05	0.04	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/79-07/09/79	2 ##	0.023	0.023	0.04	0.005	0.001	0.025	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/09/79-07/09/79	1	0.017	0.017	0.017	0.017	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/79-07/09/79	2	6.	6.	7.	5.	2.	1.414	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/79-07/09/79	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/09/79-07/09/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/09/79-07/09/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/79-07/09/79	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/79-07/09/79	2	315.	315.	600.	30.	162450.	403.051	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/79-07/09/79	2	3.15	3.15	3.15	3.15	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/09/79-07/09/79	2	0.33	0.33	0.55	0.11	0.097	0.311	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0001

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0001

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0002

NPS Station ID: SACN0002
LAT/LON: 46.221337/ -91.102004
Agency: 21WIL
Date Created: 08/29/92
Location: NAMEKAGON LAKE
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 044020 /8270AG044020/4306W104020
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 51
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 0.20
On/Off RF1:
RF3 Index: 07050001003304.86
RF3 Mile Point: 10.31
Distance from RF3: 0.03
On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0002

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0003

NPS Station ID: SACN0003 LAT/LON: 46.210837/ -91.106670 Agency: 21WITIS Date Created: 08/01/87
Location: NAMEKAGON LAKE FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE/TISSUE STORET Station ID(s): 045011 /8270MA045011/4306W105011 /2732600
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030002 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04010302013700.00 RF3 Mile Point: 0.75 Distance from RF3: 0.05 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/24/85-09/28/91	44	1.52	1.618	5.91	0.2	1.383	1.176	0.42	0.65	1.998	3.33
00024	SAMPLE LENGTH IN INCHES	09/24/85-09/28/91	44	15.7	15.884	25.7	7.6	22.609	4.755	9.35	11.8	18.8	22.3
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/24/85-09/16/86	4	0.6	0.603	0.87	0.34	0.053	0.231	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	04/21/87-09/28/91	40	0.25	0.278	0.7	0.04	0.034	0.185	0.061	0.1	0.4	0.6
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/21/87-09/28/91	40	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/24/85-09/28/91	35	1.19	1.514	5.91	0.2	1.49	1.221	0.38	0.55	1.92	3.428
00024	SAMPLE LENGTH IN INCHES	09/24/85-09/28/91	35	15.7	15.363	25.7	7.6	21.471	4.634	9.02	11.8	18.3	21.46

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/24/85-09/28/91	9	2.01	2.022	3.4	0.68	0.874	0.935	0.68	1.155	2.76	3.4
00024	SAMPLE LENGTH IN INCHES	09/24/85-09/28/91	9	18.8	17.911	25.2	10.8	24.461	4.946	10.8	12.75	21.45	25.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0004

NPS Station ID: SACN0004
LAT/LON: 46.225003/ -91.111115
Agency: 14AGNFS9
Date Created: / /
Location: NAMEKAGON LAKE 10M NE CABLE WI
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 020118
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 46
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX
ECO Region:
RF1 Index: 07030002014
RF1 Mile Point: 9.230
Distance from RF1: 2.40
On/Off RF1: OFF
RF3 Index: 04010302015000.00
RF3 Mile Point: 0.74
Distance from RF3: 0.08
On/Off RF3:
Description:
SAMPLES TAKEN AT DEEPEST POINT OF THE LAKE YEARLY IF POSSIBLE.THE SITE IS LOCATED IN T43 AND T44N R6W. SAMPLES COLLECTED BY CHEQUAMEGON NATIONAL FOREST,PARK FALLS WI 54552 TEL 715-762-2461. FIELD MEASUREMENTS ARE PH,TEMP,CONDUCTIVITY,COLOR,TURBIDITY,ALKALINITY. GRAB SAMPLES ANALYZED AT R-9 WATER QUALITY LAB, WINTON MN. SEE STATION 021020 WHERE

Parameter Inventory for Station: SACN0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/78-06/27/85	151	18.4	18.254	23.5	10.5	10.553	3.249	14.04	16.	19.5	23.5
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/27/78-08/14/78	6	76.	78.667	84.	76.	17.067	4.131	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	07/27/78-08/14/78	4	7.5	7.5	14.	1.	56.333	7.506	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/27/78-08/14/78	6	6.25	6.25	8.	5.	1.075	1.037	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/27/78-06/27/85	13	72.	68.769	72.	54.	33.692	5.805	56.4	66.	72.	72.
00080	COLOR (PLATINUM-COBALT UNITS)	07/27/78-08/14/78	4	42.5	43.75	60.	30.	189.583	13.769	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	07/27/78-06/27/85	8	45.	55.75	105.	25.	896.214	29.937	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/78-06/27/85	151	110.	112.285	140.	75.	152.912	12.366	100.	102.	120.	129.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/27/78-08/14/78	141	7.4	5.298	9.9	0.1	14.079	3.752	0.32	0.8	8.45	9.5
00300	OXYGEN, DISSOLVED MG/L	07/27/78-07/09/84	9	8.3	8.556	10.	7.6	0.65	0.806	7.6	8.	9.25	10.
00400	PH (STANDARD UNITS)	07/27/78-06/27/85	151	7.8	7.699	7.9	6.5	0.033	0.181	7.5	7.5	7.8	7.9
00400	CONVERTED PH (STANDARD UNITS)	07/27/78-06/27/85	151	7.8	7.641	7.9	6.5	0.036	0.191	7.5	7.5	7.8	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/78-06/27/85	151	0.016	0.023	0.316	0.013	0.001	0.025	0.013	0.016	0.032	0.032
00403	PH, LAB, STANDARD UNITS SU	08/11/82-07/09/84	3	7.6	7.8	8.2	7.6	0.12	0.346	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/11/82-07/09/84	3	7.6	7.725	8.2	7.6	0.129	0.358	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/82-07/09/84	3	0.025	0.019	0.025	0.006	0.	0.011	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/78-06/27/85	10	2.	13.5	36.	1.	230.722	15.19	1.1	2.	29.25	35.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/27/78-08/14/78	6	3.5	4.5	10.	1.	12.3	3.507	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/27/78-08/14/78	3	0.88	1.043	1.53	0.72	0.184	0.429	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/27/78-08/14/78	3	0.11	0.103	0.14	0.06	0.002	0.04	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/27/78-08/14/78	3	0.86	1.017	1.49	0.7	0.174	0.418	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/27/78-08/14/78	3	0.02	0.027	0.04	0.02	0.	0.012	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/27/78-07/09/84	6	0.095	0.097	0.11	0.08	0.	0.012	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/27/78-08/14/78	3	0.009	0.012	0.02	0.007	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/78-08/14/78	3	41.	41.333	42.	41.	0.333	0.577	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/27/78-08/14/78	3	260.	240.	290.	170.	3900.	62.45	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/27/78-08/14/78	5	20.13	24.7	41.79	17.36	101.759	10.088	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/27/78-08/14/78	5	4.38	7.76	24.06	0.05	100.563	10.028	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/27/78-08/14/78	5	39.03	37.37	66.2	3.17	751.814	27.419	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	6	0	0.00										6	0	0.00
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	141	56	0.40										141	56	0.40
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	9	0	0.00										9	0	0.00
00400	PH	Other-Hi Lim.	9.	151	0	0.00										151	0	0.00
		Other-Lo Lim.	6.5	151	1	0.01										151	1	0.01
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00										3	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00										3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00										3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/78-06/27/85	151	18.4	18.254	23.5	10.5	10.553	3.249	14.04	16.	19.5	23.5
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/27/78-06/27/85	13	72.	68.769	72.	54.	33.692	5.805	56.4	66.	72.	72.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/78-06/27/85	151	110.	112.285	140.	75.	152.912	12.366	100.	102.	120.	129.8
00400	PH (STANDARD UNITS)	07/27/78-06/27/85	151	7.8	7.699	7.9	6.5	0.033	0.181	7.5	7.5	7.8	7.9
00400	CONVERTED PH (STANDARD UNITS)	07/27/78-06/27/85	151	7.8	7.641	7.9	6.5	0.036	0.191	7.5	7.5	7.8	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/78-06/27/85	151	0.016	0.023	0.316	0.013	0.001	0.025	0.013	0.016	0.032	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/78-06/27/85	10	2.	13.5	36.	1.	230.722	15.19	1.1	2.	29.25	35.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0005

NPS Station ID: SACN0005
LAT/LON: 46.268892/ -91.129170
Agency: 14AGNFS9
Date Created: 08/11/77
Location: LAKE REE 7 MILES S OF GRANDVIEW
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 020186
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04010302
Depth of Water: 15
Aquifer:
Major Basin: LAKE SUPERIOR
Elevation: 0
Water Body Id:
Minor Basin: WISC & MINN DRAINAGE
ECO Region:
RF1 Index: 04010302
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 07030002007200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
SAMPLES TAKEN AT DEEPEST POINT OF THE LAKE TWICE YEARLY IF POSSIBLE. THE SITE IS LOCATED IN T44N,R6W,SEC28. SAMPLES COLLECTED BY USFS CHEQ-UAMEGON NATIONAL FOREST PARK FALLS,WI. 54552 TEL 715-762-2461. FIELD MEASUREMENTS BY METERS PH,CONDUCTIVITY DO COLOR,TURBIDITY,ALKALINITY BY DROP METHOD. GRAB SAMPLES ANALIZED AT USFS REGIONAL WATER QUALITY LAB

Parameter Inventory for Station: SACN0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/77-08/10/77	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/10/77-08/10/77	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/10/77-08/10/77	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/77-08/10/77	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	08/10/77-08/10/77	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/77-08/10/77	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/10/77-08/10/77	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/10/77-08/10/77	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/10/77-08/10/77	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/77-08/10/77	1	3.162	3.162	3.162	3.162	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/77-08/10/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/10/77-08/10/77	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/10/77-08/10/77	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/10/77-08/10/77	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/10/77-08/10/77	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/10/77-08/10/77	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/10/77-08/10/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/10/77-08/10/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/10/77-08/10/77	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/10/77-08/10/77	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/77-08/10/77	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/10/77-08/10/77	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/10/77-08/10/77	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/10/77-08/10/77	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/10/77-08/10/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/10/77-08/10/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/10/77-08/10/77	1	250.	250.	250.	250.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/10/77-08/10/77	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/10/77-08/10/77	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/10/77-08/10/77	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/10/77-08/10/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/10/77-08/10/77	1	160.	160.	160.	160.	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/10/77-08/10/77	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00400	PH	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	1	1.00										1	1	1.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00										1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00										1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00										1	0	0.00
		Drinking Water	5.	1	0	0.00										1	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00										1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00										1	0	0.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00										1	0	0.00
		Drinking Water	15.	1	0	0.00										1	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0006

NPS Station ID: SACN0006
LAT/LON: 46.250005/ -91.133337
Agency: 21WIS
Date Created: / /
Location: DIAMOND LAKE INLET
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 043125 /8280RE043125/ 4406W32
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04010302
Depth of Water: 0
Aquifer:
Major Basin: LAKE SUPERIOR
Elevation: 0
Water Body Id:
Minor Basin: LAKE SUPERIOR (WESTERN BASIN)
ECO Region:
RF1 Index: 04010302
RF1 Mile Point: 0.000
Distance from RF1: 20.80
On/Off RF1:
RF3 Index: 07030002008100.00
RF3 Mile Point: 0.52
Distance from RF3: 0.14
On/Off RF3:
Description:
DIAMOND LAKE INLET NEXT TO PUBLIC BOAT LANDING

Parameter Inventory for Station: SACN0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/15/74-05/15/74	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/15/74-05/15/74	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/15/74-05/15/74	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/74-05/15/74	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/15/74-05/15/74	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/15/74-05/15/74	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/74-05/15/74	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/15/74-05/15/74	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	05/15/74-05/15/74	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/15/74-05/15/74	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/15/74-05/15/74	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/15/74-05/15/74	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/74-05/15/74	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/74-05/15/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/15/74-05/15/74	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/15/74-05/15/74	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/15/74-05/15/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/15/74-05/15/74	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/15/74-05/15/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/15/74-05/15/74	1	6.	6.	6.	6.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/15/74-05/15/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	1	1.00										1	1	1.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0007

NPS Station ID: SACN0007
LAT/LON: 46.273337/ -91.139448
Agency: 14AGNFS9
Date Created: 08/22/92
Location: 18 MILE CR @FR371 (30 YDS DNSTR)
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 020402
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04010302
Depth of Water: 0
Aquifer:
Major Basin: LAKE SUPERIOR
Elevation: 376
Water Body Id:
Minor Basin: WISC & MINN DRAINAGE
ECO Region:
RF1 Index: 04010302
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04010302002403.66
RF3 Mile Point: 6.12
Distance from RF3: 0.34
On/Off RF3:
Description:
SAMPLE SITE LOCATED IN T44N R6W SEC 5 SWSE GRAB SAMPLES WILL BE TAKEN ONCE A MONTH AT BASEFLOW DURING
THE SUMMER OF 1992 (JUNE JULY AUGUST) A MAX-MIN THERMOMETER WAS INSTALLED TO MEASURE TEMPERATURE
THE WATER WILL BE TESTED EACH MONTH FOR ALKALINITY

Parameter Inventory for Station: SACN0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/92-09/19/94	13	14.	13.046	17.	7.	9.611	3.1	8.	10.5	16.	16.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/26/92-09/22/92	4	1.35	1.375	1.8	1.	0.149	0.386	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	06/26/92-09/19/94	13	40.	38.154	60.	20.	186.808	13.668	20.4	27.5	50.	60.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/92-09/19/94	13	113.	114.	141.	90.	234.167	15.303	92.	102.5	123.	140.2
00403	PH, LAB, STANDARD UNITS SU	06/26/92-09/19/94	13	6.9	7.015	7.8	6.3	0.29	0.538	6.3	6.6	7.6	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	06/26/92-09/19/94	13	6.9	6.765	7.8	6.3	0.357	0.598	6.3	6.6	7.6	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/92-09/19/94	13	0.126	0.172	0.501	0.016	0.028	0.169	0.016	0.026	0.251	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/92-09/19/94	12	59.5	57.667	69.	43.	64.788	8.049	44.2	50.25	63.	68.4
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/14/92-07/14/92	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/14/92-07/14/92	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/14/92-07/14/92	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/14/92-07/14/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/14/92-07/14/92	1	660.	660.	660.	660.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/92-07/14/92	1	95.	95.	95.	95.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/14/92-07/14/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/14/92-07/14/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	07/14/92-07/14/92	1	50.	50.	50.	50.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	4	0	0.00	1	0	0.00							3	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	13	0	0.00	4	0	0.00							9	0	0.00
		Other-Lo Lim.	6.5	13	2	0.15	4	0	0.00							9	2	0.22
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00										1	0	0.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0007

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
	Drinking Water	5000.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0008

NPS Station ID: SACN0008
LAT/LON: 46.199726/ -91.141670
Agency: 12ELS1
Date Created: 04/16/88
Location: TWIN LAKES (SOUTH)
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 2D2-084
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 9
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 2.80
On/Off RF1:
RF3 Index: 07050001009000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-11/01/84	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/01/84-11/01/84	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	11/01/84-11/01/84	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-11/01/84	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	11/01/84-11/01/84	1	0.77	0.77	0.77	0.77	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/01/84-11/01/84	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/01/84-11/01/84	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-11/01/84	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/01/84-11/01/84	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/01/84-11/01/84	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/01/84-11/01/84	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/01/84-11/01/84	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	11/01/84-11/01/84	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/01/84-11/01/84	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/01/84-11/01/84	1	1.48	1.48	1.48	1.48	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/01/84-11/01/84	1	0.63	0.63	0.63	0.63	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/01/84-11/01/84	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/01/84-11/01/84	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/01/84-11/01/84	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/01/84-11/01/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/01/84-11/01/84	1	16.	16.	16.	16.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/01/84-11/01/84	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/01/84-11/01/84	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	11/01/84-11/01/84	1	60.	60.	60.	60.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/01/84-11/01/84	1	1414.12	1414.12	1414.12	1414.12	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/01/84-11/01/84	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-11/01/84	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0009

NPS Station ID: SACN0009 LAT/LON: 46.202781/ -91.141670 Agency: 14AGNFS9 Date Created: 11/14/92
Location: TWIN LAKE (NORTH) @HWY M 7.5 MI E OF CABLE WI FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 020243
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030002 Depth of Water: 25 Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER Elevation: 431 Water Body Id:
Minor Basin: ST. CROIX ECO Region:
RF1 Index: 07030002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07030001009700.00 RF3 Mile Point: 2.35 Distance from RF3: 0.07 On/Off RF3:
Description:
TWIN LAKE (NORTH) IS LOCATED IN T43N R6W SEC 17 SURFACE ACRES 52.5. MAXIMUM DEPTH 25 FEET
A SOFT WATER SEEPAGE LAKE WITH A SMALL BUT VARIABLE OUTLET FLOW TO NAMEKAGON LAKE. SAMPLES TAKEN AT DEEPEST POINT OF THE LAKE.
SAMPLES COLLECTED BY CHEQUAMEGON NATIONAL FOREST

Parameter Inventory for Station: SACN0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/92-08/19/93	31	4.5	8.274	25.2	1.	60.296	7.765	2.1	3.	11.	24.3
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/19/93-08/19/93	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	08/19/93-08/19/93	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/93-08/19/93	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/26/92-08/19/93	30	0.55	2.37	9.1	0.1	8.066	2.84	0.1	0.1	5.2	6.79
00400	PH (STANDARD UNITS)	08/19/93-08/19/93	1	5.75	5.75	5.75	5.75	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/19/93-08/19/93	1	5.75	5.75	5.75	5.75	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/93-08/19/93	1	1.778	1.778	1.778	1.778	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/93-08/19/93	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/93-08/19/93	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/93-08/19/93	1	3.162	3.162	3.162	3.162	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/93-08/19/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0009

				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	30	20	0.67	12	8	0.67				18	12	0.67			
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0010

NPS Station ID: SACN0010 LAT/LON: 46.200004/ -91.141670 Agency: 14AGNFS9 Date Created: 11/14/92
Location: TWIN LAKE (SOUTH) @HWY M 7.5 MI E OF CABLE WI FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 020244
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030002 Depth of Water: 20 Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER Elevation: 431 Water Body Id:
Minor Basin: ST. CROIX ECO Region:
RF1 Index: 07030002 RF1 Mile Point: 0.000 Distance from RF1: 6.50 On/Off RF1:
RF3 Index: 07030002018500.00 RF3 Mile Point: 1.04 Distance from RF3: 0.04 On/Off RF3:
Description:
TWIN LAKE (SOUTH) IS LOCATED IN T43N R6W SEC 20 SURFACE ACRES 18.7. MAXIMUM DEPTH 20 FEET.
A SOFT WATER SEEPAGE LAKE. SAMPLES TAKEN AT DEEPEST POINT OF THE LAKE. SAMPLES COLLECTED BY CHEQUAMEGON NATIONAL FOREST
PARK FALLS WISCONSIN TELEPHONE 715 762 2461

Parameter Inventory for Station: SACN0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/92-08/20/93	27	5.	10.167	23.5	1.	72.558	8.518	2.4	4.	20.	23.5
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/20/93-08/20/93	1	102.	102.	102.	102.	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	08/20/93-08/20/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/93-08/20/93	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/26/92-08/20/93	26	0.55	2.269	7.3	0.1	8.892	2.982	0.2	0.275	6.225	7.3
00400	PH (STANDARD UNITS)	08/20/93-08/20/93	1	6.87	6.87	6.87	6.87	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/93-08/20/93	1	6.87	6.87	6.87	6.87	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/93-08/20/93	1	0.135	0.135	0.135	0.135	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/20/93-08/20/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/20/93-08/20/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/93-08/20/93	1	7.943	7.943	7.943	7.943	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/20/93-08/20/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0010

				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	26	19	0.73	10	4	0.40				16	15	0.94			
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0011

NPS Station ID: SACN0011 | LAT/LON: 46.248837/ -91.142003 | Agency: 21WIS | Date Created: 08/10/91
Location: CRYSTAL LAKE (T44R06WS32) | FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 043073 /8280AG043073/4406W323073
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 04010302 | Depth of Water: 27 | Aquifer:
Major Basin: LAKE SUPERIOR | Elevation: 55 | Water Body Id:
Minor Basin: LAKE SUPERIOR WESTERN BASIN | ECO Region:
RF1 Index: 04010302 | RF1 Mile Point: 0.000 | Distance from RF1: 1.50 | On/Off RF1:
RF3 Index: 04010302015400.00 | RF3 Mile Point: 1.94 | Distance from RF3: 0.06 | On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST (715)635-2101 NEAR DEEPEST POINT

Parameter Inventory for Station: SACN0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/91-08/08/91	2	17.35	17.35	20.8	13.9	23.805	4.879	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/08/91-08/08/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/08/91-08/08/91	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/08/91-08/08/91	2	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/91-08/08/91	2	25.	25.	26.	24.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/08/91-08/08/91	2	4.95	4.95	8.8	1.1	29.645	5.445	**	**	**	**
00400	PH (STANDARD UNITS)	08/08/91-08/08/91	2	6.95	6.95	7.2	6.7	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/08/91-08/08/91	2	6.882	6.882	7.2	6.7	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/91-08/08/91	2	0.131	0.131	0.2	0.063	0.009	0.096	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/08/91-08/08/91	2	7.25	7.25	7.3	7.2	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/91-08/08/91	2	7.247	7.247	7.3	7.2	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/91-08/08/91	2	0.057	0.057	0.063	0.05	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/91-08/08/91	2	12.	12.	14.	10.	8.	2.828	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/08/91-08/08/91	2	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/91-08/08/91	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/08/91-08/08/91	2 ##	0.006	0.006	0.009	0.004	0.	0.004	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/91-08/08/91	2	0.014	0.014	0.02	0.008	0.	0.008	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/08/91-08/08/91	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/08/91-08/08/91	2	11.5	11.5	13.	10.	4.5	2.121	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/08/91-08/08/91	2	3.	3.	3.5	2.5	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/08/91-08/08/91	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50
00400	PH	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0012

NPS Station ID: SACN0012
LAT/LON: 46.248837/ -91.142003
Agency: 21WIL
Date Created: 08/29/92
Location: CRYSTAL LAKE (T44R06WS32)
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 044032 /8280AG044032/4406W324032
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04010302
Depth of Water: 27
Aquifer:
Major Basin: LAKE SUPERIOR
Elevation: 55
Water Body Id:
Minor Basin: LAKE SUPERIOR WESTERN BASIN
ECO Region:
RF1 Index: 04010302
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04010302007900.00
RF3 Mile Point: 0.59
Distance from RF3: 0.08
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST (715)635-2101 NEAR DEEPEST POINT
BUREAU OF RESEARCH R LILLIE RANDOM LAKE SURVEY

Parameter Inventory for Station: SACN0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/09/79-07/09/79	2	80.	80.	80.	80.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/09/79-07/09/79	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/09/79-07/09/79	2	2.9	2.9	3.3	2.5	0.32	0.566	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/79-07/09/79	2	146.	146.	146.	146.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/79-07/09/79	2	41.	41.	44.	38.	18.	4.243	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/09/79-07/09/79	2	4.85	4.85	8.4	1.3	25.205	5.02	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/09/79-07/09/79	2	6.9	6.9	7.	6.8	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/09/79-07/09/79	2	6.889	6.889	7.	6.8	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/79-07/09/79	2	0.129	0.129	0.158	0.1	0.002	0.041	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/79-07/09/79	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/09/79-07/09/79	2	0.62	0.62	0.65	0.59	0.002	0.042	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/79-07/09/79	2	0.4	0.4	0.43	0.37	0.002	0.042	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	2	0.19	0.19	0.24	0.14	0.005	0.071	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	2	0.03	0.03	0.04	0.02	0.	0.014	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/79-07/09/79	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/79-07/09/79	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/79-07/09/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/09/79-07/09/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/09/79-07/09/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/79-07/09/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/79-07/09/79	2	95.	95.	100.	90.	50.	7.071	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/79-07/09/79	2	2.24	2.24	2.24	2.24	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/09/79-07/09/79	2 ##	0.295	0.295	0.55	0.04	0.13	0.361	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0012

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0013

NPS Station ID: SACN0013
LAT/LON: 46.261531/ -91.143503
Agency: 21WIS
Date Created: / /
Location: DIAMOND LAKE
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE/VOLUN
STORET Station ID(s): 043126 /8280RA043126/BE64406W
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04010302
Depth of Water: 83
Aquifer:
Major Basin: LAKE SUPERIOR
Elevation: 0
Water Body Id:
Minor Basin: LAKE SUPERIOR (WESTERN BASIN)
ECO Region:
RF1 Index: 04010302
RF1 Mile Point: 0.000
Distance from RF1: 7.80
On/Off RF1:
RF3 Index: 04010302002409.16
RF3 Mile Point: 9.16
Distance from RF3: 0.32
On/Off RF3:
Description:
DIAMOND LAKE AT GREATEST DEPTH
SOME SAMPLES COLLECTED BY SELF-HELP VOLUNTEERS.

Parameter Inventory for Station: SACN0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/91-08/08/91	2	12.75	12.75	20.3	5.2	114.005	10.677	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/11/73-10/23/74	13	46.5	47.154	77.	33.	165.891	12.88	34.	38.5	48.25	74.4
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/11/73-10/23/74	6	56.5	56.333	75.	35.	392.667	19.816	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/08/91-07/02/94	3	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/11/73-10/23/74	14	1.4	2.164	8.	0.7	4.032	2.008	0.75	0.8	2.925	6.3
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/11/73-10/23/74	5	120.	122.8	168.	96.	747.2	27.335	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/08/91-07/02/94	3	11.	8.667	11.	4.	16.333	4.041	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/08/91-08/08/91	2	25.	25.	30.	20.	50.	7.071	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/11/73-08/08/91	16	64.	63.813	73.	57.	16.029	4.004	57.7	61.25	65.75	70.2
00300	OXYGEN, DISSOLVED MG/L	07/11/73-08/08/91	16	9.15	7.731	11.6	0.8	10.818	3.289	0.87	5.75	9.875	10.9
00400	PH (STANDARD UNITS)	08/08/91-08/08/91	2	6.7	6.7	7.	6.4	0.18	0.424	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/08/91-08/08/91	2	6.604	6.604	7.	6.4	0.199	0.446	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/91-08/08/91	2	0.249	0.249	0.398	0.1	0.044	0.211	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/11/73-08/08/91	16	7.3	7.294	7.8	6.9	0.058	0.241	6.9	7.1	7.4	7.66
00403	CONVERTED PH, LAB, STANDARD UNITS	07/11/73-08/08/91	16	7.3	7.233	7.8	6.9	0.062	0.249	6.9	7.1	7.4	7.66
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/73-08/08/91	16	0.05	0.058	0.126	0.016	0.001	0.032	0.022	0.04	0.079	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/11/73-08/08/91	16	28.	28.125	32.	24.	4.783	2.187	24.7	27.	30.	31.3
00600	NITROGEN, TOTAL (MG/L AS N)	07/11/73-10/23/74	14	0.535	0.665	1.49	0.31	0.146	0.382	0.33	0.39	0.798	1.47
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/11/73-10/23/74	14	0.31	0.425	0.84	0.2	0.053	0.23	0.215	0.27	0.525	0.84
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/11/73-08/08/91	16	0.047	0.156	0.55	0.	0.037	0.193	0.	0.	0.313	0.487
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/73-10/23/74	14	0.003	0.004	0.015	0.	0.	0.004	0.	0.	0.007	0.012
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/73-10/23/74	14	0.11	0.128	0.26	0.04	0.006	0.074	0.04	0.065	0.2	0.255
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/91-08/08/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/08/91-08/08/91	2 ##	0.102	0.102	0.2	0.004	0.019	0.139	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/73-07/02/94	20	0.02	0.027	0.11	0.	0.001	0.031	0.001	0.01	0.026	0.098
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/08/91-08/08/91	2	0.005	0.005	0.008	0.002	0.	0.004	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/08/91-08/08/91	2	30.5	30.5	31.	30.	0.5	0.707	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/11/73-08/08/91	16	10.	10.738	18.4	4.8	15.035	3.877	5.08	8.1	13.	18.19
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/11/73-08/08/91	16	5.9	5.775	10.	2.	8.154	2.856	2.	3.	9.	9.3
00929	SODIUM, TOTAL (MG/L AS NA)	07/11/73-10/23/74	14	1.7	1.479	3.	0.	0.673	0.82	0.	1.	2.	2.5
00937	POTASSIUM, TOTAL MG/L AS K)	07/11/73-10/23/74	14	0.85	1.121	3.7	0.	1.773	1.331	0.	0.	2.575	3.4
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/73-10/23/74	14	1.	0.643	2.	0.	0.401	0.633	0.	0.	1.	1.5
00945	SULFATE, TOTAL (MG/L AS SO4)	07/11/73-10/23/74	14	5.5	5.143	8.	3.	2.901	1.703	3.	3.	6.25	7.5
32000	SAMPLE SIZE (LITERS)	09/08/93-07/02/94	2	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/08/91-07/02/94	3	4.	4.38	5.9	3.24	1.877	1.37	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/11/73-10/23/74	14	0.	0.018	0.089	0.	0.001	0.03	0.	0.	0.031	0.081

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	14	0	0.00	4	0	0.00	3	0	0.00				7	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	16	2	0.13	4	0	0.00	3	1	0.33				9	1	0.11
00400	PH	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	1	0.50										2	1	0.50
00403	PH, LAB	Other-Hi Lim.	9.	16	0	0.00	4	0	0.00	3	0	0.00				9	0	0.00
		Other-Lo Lim.	6.5	16	0	0.00	4	0	0.00	3	0	0.00				9	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	14	0	0.00	4	0	0.00	3	0	0.00				7	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	14	0	0.00	4	0	0.00	3	0	0.00				7	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	14	0	0.00	4	0	0.00	3	0	0.00				7	0	0.00
		Drinking Water	250.	14	0	0.00	4	0	0.00	3	0	0.00				7	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	4	0	0.00	3	0	0.00				7	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/73-07/02/94	6	0.024	0.046	0.11	0.008	0.002	0.046	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/73-07/02/94	3	0.02	0.04	0.08	0.02	0.001	0.035	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/73-07/02/94	11	0.011	0.013	0.03	0.	0.	0.01	0.	0.007	0.02	0.029

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0014

NPS Station ID: SACN0014 | LAT/LON: 46.207503/ -91.144003 | Agency: 21WIL | Date Created: 08/29/92
Location: TWIN LAKE, NORTH | FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 044029 /8270AG044029/4306W174029
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 25 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 8.60 | On/Off RF1:
RF3 Index: 07030001145501.40 | RF3 Mile Point: 2.73 | Distance from RF3: 0.01 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/09/79-07/09/79	2	82.	82.	82.	82.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/09/79-07/09/79	2	5.	5.	5.	5.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/09/79-07/09/79	2	3.9	3.9	4.7	3.1	1.28	1.131	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/79-07/09/79	2	82.	82.	82.	82.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/79-07/09/79	2	42.	42.	44.	40.	8.	2.828	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/09/79-07/09/79	2	3.65	3.65	7.1	0.2	23.805	4.879	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/09/79-07/09/79	2	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/09/79-07/09/79	2	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/79-07/09/79	2	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/79-07/09/79	2	7.	7.	8.	6.	2.	1.414	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/09/79-07/09/79	2	0.92	0.92	1.04	0.8	0.029	0.17	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/79-07/09/79	2	0.63	0.63	0.66	0.6	0.002	0.042	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	2	0.185	0.185	0.23	0.14	0.004	0.064	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	2	0.008	0.008	0.012	0.003	0.	0.006	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	2	0.09	0.09	0.13	0.05	0.003	0.057	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/79-07/09/79	2 ##	0.013	0.013	0.02	0.005	0.	0.011	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/09/79-07/09/79	1	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/79-07/09/79	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/79-07/09/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/09/79-07/09/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/09/79-07/09/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/79-07/09/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/79-07/09/79	2	150.	150.	200.	100.	5000.	70.711	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/79-07/09/79	2	6.29	6.29	6.29	6.29	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/09/79-07/09/79	2	1.085	1.085	2.02	0.15	1.748	1.322	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0015

NPS Station ID: SACN0015
LAT/LON: 46.207671/ -91.144003
Agency: 21WITIS
Date Created: 12/03/94
Location: NORTH TWIN LAKE
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 045049 /8270MA045049/4306W175049
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0016

NPS Station ID: SACN0016
LAT/LON: 46.175837/ -91.145559
Agency: 14AGNFS9
Date Created: 02/03/79
Location: ROCK LK 9 MI.SE, OF CABLE WISC.
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 020215
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 31
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 8.40
On/Off RF1:
RF3 Index: 04010302016800.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
SAMPLES TAKEN AT DEEPEST POINT OF LAKE. THE SITE IS LOCATED IN T43N,R6W,SEC29. SAMPLES COLLECTED BY USFS CHEQUAMEGON NATIONAL FOREST,PARK FALLS,WIS.54552 TEL.715-762-2461. FIELD MEASUREMENTS BY METER,PH,CONDUCTIVITY,DO,COLOR,TURBIDITY;ALKALINITY BY DROP METHOD. GRAB SAMPLES ANALYZED AT USFS REGIONAL LAB,WINTON,MINN

Parameter Inventory for Station: SACN0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/78-08/03/78	2	16.5	16.5	22.	11.	60.5	7.778	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/78-08/03/78	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/03/78-08/03/78	2	1.3	1.3	1.6	1.	0.18	0.424	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/03/78-08/03/78	2	180.	180.	180.	180.	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	08/03/78-08/03/78	2	10.	10.	15.	5.	50.	7.071	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/78-08/03/78	2	55.	55.	60.	50.	50.	7.071	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/03/78-08/03/78	2	5.1	5.1	9.	1.2	30.42	5.515	**	**	**	**
00400	PH (STANDARD UNITS)	08/03/78-08/03/78	2	6.5	6.5	6.6	6.4	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/03/78-08/03/78	2	6.489	6.489	6.6	6.4	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/78-08/03/78	2	0.325	0.325	0.398	0.251	0.011	0.104	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/78-08/03/78	2	0.6	0.6	0.7	0.5	0.02	0.141	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/03/78-08/03/78	2	1.175	1.175	1.48	0.87	0.186	0.431	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/03/78-08/03/78	2 ##	0.043	0.043	0.06	0.025	0.001	0.025	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/03/78-08/03/78	2 ##	0.002	0.002	0.003	0.001	0.	0.001	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/03/78-08/03/78	2	1.175	1.175	1.48	0.87	0.186	0.431	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/03/78-08/03/78	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/03/78-08/03/78	2	0.05	0.05	0.06	0.04	0.	0.014	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/03/78-08/03/78	2	0.005	0.005	0.007	0.003	0.	0.003	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/03/78-08/03/78	2	1.15	1.15	1.2	1.1	0.005	0.071	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/03/78-08/03/78	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/03/78-08/03/78	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/03/78-08/03/78	2	0.365	0.365	0.38	0.35	0.	0.021	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/03/78-08/03/78	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/78-08/03/78	2	3.	3.	3.	3.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/03/78-08/03/78	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/03/78-08/03/78	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/03/78-08/03/78	2 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/03/78-08/03/78	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/03/78-08/03/78	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/03/78-08/03/78	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/03/78-08/03/78	2	75.	75.	100.	50.	1250.	35.355	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	08/03/78-08/03/78	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/78-08/03/78	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/03/78-08/03/78	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/03/78-08/03/78	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/78-08/03/78	2	127.5	127.5	160.	95.	2112.5	45.962	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/03/78-08/03/78	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/03/78-08/03/78	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50
00400	PH	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	1	0.50										2	1	0.50
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00										2	0	0.00
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00										2	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00										2	0	0.00
		Drinking Water	50.	2	0	0.00										2	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00										2	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00										2	0	0.00
		Drinking Water	5.	2	0	0.00										2	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00										2	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00										2	0	0.00
		Drinking Water	1300.	2	0	0.00										2	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00										2	0	0.00
		Drinking Water	15.	2	0	0.00										2	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00										2	0	0.00
		Drinking Water	100.	2	0	0.00										2	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00										2	0	0.00
		Drinking Water	5000.	2	0	0.00										2	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00										2	0	0.00
		Drinking Water	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0017

NPS Station ID: SACN0017
LAT/LON: 46.267503/ -91.154727
Agency: 14AGNFS9
Date Created: 08/22/92
Location: 18 MILE CR @FR374 (200 YDS DNSTR)
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 020400
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04010302
Depth of Water: 0
Aquifer:
Major Basin: LAKE SUPERIOR
Elevation: 427
Water Body Id:
Minor Basin: WISC & MINN DRAINAGE
ECO Region:
RF1 Index: 04010302
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07050001057900.00
RF3 Mile Point: 0.08
Distance from RF3: 0.06
On/Off RF3:
Description:
SAMPLE SITE LOCATED IN T44N R6W SEC 30 NE CORNER GRAB SAMPLES WILL BE TAKEN ONCE A MONTH AT BASEFLOW DURING
THE SUMMER OF 1992 (JUNE JULY AUGUST) A MAX-MIN THERMOMETER WAS INSTALLED TO MEASURE TEMPERATURE
THE WATER WILL BE TESTED EACH MONTH FOR ALKALINITY

Parameter Inventory for Station: SACN0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/92-09/19/94	13	18.	17.469	22.	10.	15.737	3.967	10.8	14.3	21.	22.
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/22/92-09/22/92	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/26/92-09/22/92	4	0.95	0.975	1.2	0.8	0.029	0.171	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	06/26/92-09/19/94	13	20.	20.385	30.	10.	51.923	7.206	10.	15.	27.5	30.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/92-09/19/94	13	63.	65.462	93.	57.	82.269	9.07	58.2	60.5	66.	84.6
00403	PH, LAB, STANDARD UNITS SU	06/26/92-09/19/94	13	6.5	6.692	7.7	5.9	0.342	0.585	5.98	6.2	7.3	7.58
00403	CONVERTED PH, LAB, STANDARD UNITS	06/26/92-09/19/94	13	6.5	6.413	7.7	5.9	0.427	0.653	5.98	6.2	7.3	7.58
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/92-09/19/94	13	0.316	0.386	1.259	0.02	0.144	0.379	0.028	0.05	0.648	1.073
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/92-09/19/94	12	28.	28.917	42.	25.	20.083	4.481	25.3	26.	30.	38.4
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/14/92-07/14/92	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/14/92-07/14/92	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/14/92-07/14/92	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/14/92-07/14/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/14/92-07/14/92	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/92-07/14/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/14/92-07/14/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/14/92-07/14/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	07/14/92-07/14/92	1	30.	30.	30.	30.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	4	0	0.00	1	0	0.00							3	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	13	0	0.00	4	0	0.00							9	0	0.00
		Other-Lo Lim.	6.5	13	7	0.54	4	1	0.25							9	6	0.67

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00										1	0	0.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0018

NPS Station ID: SACN0018
LAT/LON: 46.279170/ -91.162503
Agency: 14AGNFS9
Date Created: 08/11/77
Location: COBURNE LAKE 6 MILES SE DRUMMOND
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 020181
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04010302
Depth of Water: 15
Aquifer:
Major Basin: LAKE SUPERIOR
Elevation: 0
Water Body Id:
Minor Basin: WISC & MINN DRAINAGE
ECO Region:
RF1 Index: 04010302
RF1 Mile Point: 0.000
Distance from RF1: 9.90
On/Off RF1:
RF3 Index: 04010302002406.64
RF3 Mile Point: 7.38
Distance from RF3: 0.09
On/Off RF3:
Description:
SAMPLES TAKEN AT DEEPEST POINT OF THE LAKE TWICE YEARLY IF POSSIBLE. THE SITE IS LOCATED IN T44N,R6W,SEC19. SAMPLES COLLECTED BY USFS CHEQ-UAMEGON NATIONAL FOREST PARK FALLS,WI. 54552 TEL 715-762-2461. FIELD MEASUREMENTS BY METERS PH,CONDUCTIVITY DO COLOR,TURBIDITY,ALKALINITY BY DROP METHOD. GRAB SAMPLES ANALIZED AT USFS REGIONAL WATER QUALITY LAB

Parameter Inventory for Station: SACN0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0019

NPS Station ID: SACN0019
LAT/LON: 46.269448/ -91.208338
Agency: 12ELS1
Date Created: 04/16/88
Location: NORTHEAST LAKE
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 2D3-020
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04010302
Depth of Water: 52
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04010302
RF1 Mile Point: 0.000
Distance from RF1: 12.20
On/Off RF1:
RF3 Index: 04010302030700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-11/01/84	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/01/84-11/01/84	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	11/01/84-11/01/84	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-11/01/84	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	11/01/84-11/01/84	1	2.35	2.35	2.35	2.35	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/01/84-11/01/84	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/01/84-11/01/84	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-11/01/84	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/01/84-11/01/84	1	516.	516.	516.	516.	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/01/84-11/01/84	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/01/84-11/01/84	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/01/84-11/01/84	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	11/01/84-11/01/84	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/01/84-11/01/84	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/01/84-11/01/84	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/01/84-11/01/84	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/01/84-11/01/84	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/01/84-11/01/84	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/01/84-11/01/84	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/01/84-11/01/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/01/84-11/01/84	1	22.	22.	22.	22.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/01/84-11/01/84	1	0.357	0.357	0.357	0.357	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/01/84-11/01/84	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	11/01/84-11/01/84	1	70.	70.	70.	70.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/01/84-11/01/84	1	1379.01	1379.01	1379.01	1379.01	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/01/84-11/01/84	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-11/01/84	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0019

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0020

NPS Station ID: SACN0020 LAT/LON: 46.245281/ -91.221392 Agency: 21WITIS Date Created: 08/01/87
Location: TAHKODAH LAKE FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE/TISSUE STORET Station ID(s): 045007 /8280MA045007/4407W345007 /2473500
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030002 Depth of Water: 0 Aquifer:
Major Basin: LAKE SUPERIOR Elevation: 55 Water Body Id:
Minor Basin: LAKE SUPERIOR WESTERN BASIN ECO Region:
RF1 Index: 07030002 RF1 Mile Point: 0.000 Distance from RF1: 0.90 On/Off RF1:
RF3 Index: 04010302000617.62 RF3 Mile Point: 17.61 Distance from RF3: 0.09 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	04/23/86-05/23/88	19	1.61	1.765	4.85	0.22	1.813	1.346	0.26	0.44	2.82	3.84
00024	SAMPLE LENGTH IN INCHES	04/23/86-05/23/88	19	15.2	15.982	26.8	7.4	42.534	6.522	8.	8.5	21.9	24.6
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/23/86-04/23/86	3	1.8	1.8	1.9	1.7	0.01	0.1	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	01/13/87-05/23/88	16	0.6	0.61	1.2	0.06	0.096	0.31	0.158	0.325	0.875	1.06
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	01/13/87-05/23/88	16	1.	1.25	3.	1.	0.333	0.577	1.	1.	1.	2.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0021

NPS Station ID: SACN0021 | LAT/LON: 46.242004/ -91.221837 | Agency: 21WIS | Date Created: 08/10/91
Location: TAHKODAH LAKE | FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 043092 /8280AG043092/4307W033092
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 04010302 | Depth of Water: 18 | Aquifer:
Major Basin: LAKE SUPERIOR | Elevation: 55 | Water Body Id:
Minor Basin: LAKE SUPERIOR WESTERN BASIN | ECO Region:
RF1 Index: 04010302 | RF1 Mile Point: 0.000 | Distance from RF1: 6.50 | On/Off RF1:
RF3 Index: 04010302082000.52 | RF3 Mile Point: 0.67 | Distance from RF3: 0.03 | On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST (715)635-2101 DEEPEST POINT

Parameter Inventory for Station: SACN0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/91-08/08/91	1	20.5	20.5	20.5	20.5	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/08/91-08/08/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/08/91-08/08/91	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/08/91-08/08/91	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/91-08/08/91	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/08/91-08/08/91	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/08/91-08/08/91	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/08/91-08/08/91	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/91-08/08/91	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/08/91-08/08/91	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/91-08/08/91	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/91-08/08/91	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/08/91-08/08/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/08/91-08/08/91	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/91-08/08/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/08/91-08/08/91	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/91-08/08/91	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/08/91-08/08/91	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/08/91-08/08/91	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/08/91-08/08/91	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/08/91-08/08/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00400	PH	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	1	1.00										1	1	1.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0022

NPS Station ID: SACN0022
LAT/LON: 46.172142/ -91.236087
Agency: 21WIS
Date Created: 06/17/76
Location: SPRING CR AT SECTION LINE 27/34
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 043028 /8270AC043028/4307W
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07050001003203.77
RF3 Mile Point: 5.62
Distance from RF3: 0.01
On/Off RF3:
Description:
SPRING CREEK AT SECTION LINE BETW 27 AND 34 T43N R7W NR TELEMARK-NPS STY

Parameter Inventory for Station: SACN0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-09/28/76	3	13.	12.833	16.5	9.	14.083	3.753	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-09/28/76	3	1.6	1.667	2.1	1.3	0.163	0.404	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	4	115.	97.5	140.	20.	2825.	53.151	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-03/12/77	4	79.	81.75	107.	62.	460.25	21.453	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/21/76-09/28/76	3	7.7	8.267	9.7	7.4	1.563	1.25	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-09/28/76	3	2.5	2.867	3.7	2.4	0.523	0.723	**	**	**	**
00400	PH (STANDARD UNITS)	05/21/76-03/12/77	4	6.85	6.825	6.9	6.7	0.009	0.096	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/21/76-03/12/77	4	6.847	6.817	6.9	6.7	0.009	0.096	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/12/77	4	0.142	0.152	0.2	0.126	0.001	0.035	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	4	7.15	7.	7.3	6.4	0.167	0.408	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/21/76-03/12/77	4	7.147	6.831	7.3	6.4	0.205	0.453	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/12/77	4	0.071	0.148	0.398	0.05	0.028	0.167	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-09/28/76	3	32.	34.	50.	20.	228.	15.1	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/21/76-03/12/77	4	96.	95.5	110.	80.	161.	12.689	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-03/12/77	4	56.	51.5	58.	36.	110.333	10.504	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-03/12/77	4	2.5	3.75	8.	2.	8.25	2.872	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-03/12/77	4	2.5	3.25	6.	2.	3.583	1.893	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-03/12/77	4	0.775	0.705	0.8	0.47	0.025	0.158	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-03/12/77	4	0.135	0.14	0.22	0.07	0.005	0.072	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-03/12/77	4	0.015	0.06	0.2	0.01	0.009	0.093	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-03/12/77	4	0.07	0.072	0.1	0.047	0.001	0.023	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-03/12/77	4	0.019	0.018	0.029	0.005	0.	0.012	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-09/28/76	3	34.	38.667	49.	33.	80.333	8.963	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/12/77	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-09/28/76	3	10.	185.	540.	5.	94525.	307.449	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/21/76-09/28/76	3	1.	1.477	2.732	0.699	1.204	1.097	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			30.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00							2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	1	0	0.00							2	0	0.00
00400	PH	Other-Hi Lim.	9.	4	0	0.00	1	0	0.00				1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00				1	0	0.00	2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	4	0	0.00	1	0	0.00				1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	4	1	0.25	1	0	0.00				1	1	1.00	2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	4	0	0.00	1	0	0.00				1	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00				1	0	0.00	2	0	0.00
		Drinking Water	250.	4	0	0.00	1	0	0.00				1	0	0.00	2	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	3	1	0.33	1	0	0.00							2	1	0.50

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0023

NPS Station ID: SACN0023
LAT/LON: 46.173504/ -91.238060
Agency: 21WIS
Date Created: 06/17/76
Location: SPRING CR TELEMARK RD AB PONDS
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 043029 /8270AC043029
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 16.80
On/Off RF1:
RF3 Index: 07030002077800.00
RF3 Mile Point: 1.85
Distance from RF3: 0.02
On/Off RF3:
Description:
SPRING CREEK AT TELEMARK ROAD UPSTREAM CROSSING ABOVE PONDS-NPS STUDY

Parameter Inventory for Station: SACN0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-07/13/76	2	14.25	14.25	14.5	14.	0.125	0.354	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-07/13/76	2	1.3	1.3	1.6	1.	0.18	0.424	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	3	40.	50.	70.	40.	300.	17.321	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-03/12/77	3	108.	108.333	132.	85.	552.333	23.502	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/21/76-07/13/76	2	8.85	8.85	9.	8.7	0.045	0.212	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-07/13/76	2	1.7	1.7	1.8	1.6	0.02	0.141	**	**	**	**
00400	PH (STANDARD UNITS)	05/21/76-03/12/77	3	7.	7.033	7.2	6.9	0.023	0.153	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/21/76-03/12/77	3	7.	7.016	7.2	6.9	0.024	0.154	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/12/77	3	0.1	0.096	0.126	0.063	0.001	0.032	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	3	7.4	7.133	7.4	6.6	0.213	0.462	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/21/76-03/12/77	3	7.4	6.958	7.4	6.6	0.26	0.51	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/12/77	3	0.04	0.11	0.251	0.04	0.015	0.122	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	2	51.	51.	54.	48.	18.	4.243	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/21/76-03/12/77	3	94.	91.333	98.	82.	69.333	8.327	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-03/12/77	3	36.	36.667	42.	32.	25.333	5.033	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-03/12/77	3	2.	2.667	4.	2.	1.333	1.155	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-03/12/77	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-03/12/77	3	0.31	0.297	0.5	0.08	0.044	0.21	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-03/12/77	3	0.16	0.173	0.27	0.09	0.008	0.091	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-03/12/77	3	0.02	0.11	0.3	0.01	0.027	0.165	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-03/12/77	3	0.03	0.04	0.06	0.029	0.	0.018	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-03/12/77	3	0.022	0.016	0.025	0.002	0.	0.013	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	2	59.	59.	62.	56.	18.	4.243	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/12/77	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-07/13/76	2	115.	115.	200.	30.	14450.	120.208	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/21/76-07/13/76	2	1.889	1.889	2.301	1.477	0.339	0.583	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			77.46								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00										2	0	0.00
00400	PH	Other-Hi Lim.	9.	3	0	0.00							1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00							1	0	0.00	2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00							1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00							1	0	0.00	2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00							1	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00							1	0	0.00	2	0	0.00
		Drinking Water	250.	3	0	0.00							1	0	0.00	2	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	1	0.50										2	1	0.50

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0024

NPS Station ID: SACN0024
LAT/LON: 46.185115/ -91.238060
Agency: 21WIS
Date Created: 06/17/76
Location: SPRING CR TELEMARK RD NW SEC 27
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 043031 /8270AC043031
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISSISSIPPI
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 11.10
On/Off RF1:
RF3 Index: 07030002077800.00
RF3 Mile Point: 1.29
Distance from RF3: 0.01
On/Off RF3:
Description:
SPRING CREEK AT TELEMARK ROAD THIRD CROSSING-NW CORNER SEC 27-NPS STUDY

Parameter Inventory for Station: SACN0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-07/13/76	2	17.	17.	18.	16.	2.	1.414	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-07/13/76	2	1.65	1.65	2.3	1.	0.845	0.919	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	3	35.	30.	40.	15.	175.	13.229	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-03/12/77	3	134.	122.667	136.	98.	457.333	21.385	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/21/76-07/13/76	2	9.9	9.9	10.6	9.2	0.98	0.99	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-07/13/76	2	2.2	2.2	2.8	1.6	0.72	0.849	**	**	**	**
00400	PH (STANDARD UNITS)	05/21/76-03/12/77	3	7.3	7.233	7.4	7.	0.043	0.208	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/21/76-03/12/77	3	7.3	7.199	7.4	7.	0.045	0.212	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/12/77	3	0.05	0.063	0.1	0.04	0.001	0.032	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	3	7.5	7.4	7.7	7.	0.13	0.361	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/21/76-03/12/77	3	7.5	7.296	7.7	7.	0.146	0.382	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/12/77	3	0.032	0.051	0.1	0.02	0.002	0.043	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	2	64.	64.	64.	64.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/21/76-03/12/77	3	96.	98.667	108.	92.	69.333	8.327	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-03/12/77	3	30.	31.333	42.	22.	101.333	10.066	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-03/12/77	3	8.	9.667	18.	3.	58.333	7.638	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-03/12/77	3	4.	3.667	5.	2.	2.333	1.528	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-03/12/77	3	0.28	0.323	0.5	0.19	0.025	0.159	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-03/12/77	3	0.11	0.15	0.26	0.08	0.009	0.096	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-03/12/77	3	0.05	0.187	0.5	0.01	0.074	0.272	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-03/12/77	3	0.05	0.065	0.1	0.044	0.001	0.031	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-03/12/77	3	0.016	0.021	0.04	0.008	0.	0.017	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	2	65.5	65.5	67.	64.	4.5	2.121	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/12/77	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-07/13/76	2	35.	35.	60.	10.	1250.	35.355	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/21/76-07/13/76	2	1.389	1.389	1.778	1.	0.303	0.55	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			24.495								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00										2	0	0.00
00400	PH	Other-Hi Lim.	9.	3	0	0.00							1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00							1	0	0.00	2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00							1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00							1	0	0.00	2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00							1	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00							1	0	0.00	2	0	0.00
		Drinking Water	250.	3	0	0.00							1	0	0.00	2	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0025

NPS Station ID: SACN0025
LAT/LON: 46.180337/ -91.238060
Agency: 21WIS
Date Created: 06/17/76
Location: SPRING CR TELEMARK RD BEL PONDS
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 043030 /8270AC043030
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISSISSIPPI
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 15.90
On/Off RF1:
RF3 Index: 07030002077800.00
RF3 Mile Point: 1.73
Distance from RF3: 0.03
On/Off RF3:
Description:
SPRING CREEK AT TELEMARK ROAD MIDDLE CROSSING BELOW PONDS-NPS STUDY

Parameter Inventory for Station: SACN0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-07/13/76	2	16.	16.	17.	15.	2.	1.414	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-09/26/77	18	1.65	2.583	8.4	0.9	3.82	1.955	1.08	1.25	3.625	5.43
00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	3	20.	25.	40.	15.	175.	13.229	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-09/28/77	20	100.	100.45	134.	71.	259.524	16.11	73.3	98.5	110.	125.3
00300	OXYGEN, DISSOLVED MG/L	05/21/76-07/13/76	2	8.4	8.4	8.8	8.	0.32	0.566	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-09/28/77	6	2.5	2.267	2.5	1.6	0.147	0.383	**	**	**	**
00312	BOD, 6 DAY, 20 DEG C MG/L	09/23/77-09/24/77	3	2.5	2.467	2.8	2.1	0.123	0.351	**	**	**	**
00400	PH (STANDARD UNITS)	05/21/76-03/12/77	3	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/21/76-03/12/77	3	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/12/77	3	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	3	7.5	7.333	7.6	6.9	0.143	0.379	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/21/76-03/12/77	3	7.5	7.216	7.6	6.9	0.164	0.405	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/12/77	3	0.032	0.061	0.126	0.025	0.003	0.056	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	2	61.5	61.5	62.	61.	0.5	0.707	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/21/76-09/28/77	33	98.	103.879	265.	70.	1033.485	32.148	80.	90.	112.	124.4
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-09/28/77	20	45.	42.5	56.	22.	82.895	9.105	28.4	34.5	49.5	53.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-09/28/77	33	13.	20.879	161.	1.	841.047	29.001	2.4	6.	22.	48.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-09/28/77	22	6.	6.409	15.	2.	7.491	2.737	2.3	5.	8.	8.7
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-09/28/77	23	0.6	0.599	1.	0.16	0.046	0.215	0.292	0.4	0.8	0.92
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-09/28/77	22	0.02	0.043	0.31	0.01	0.004	0.066	0.01	0.01	0.04	0.116
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/27/77-07/31/77	10	0.6	0.81	1.8	0.4	0.265	0.515	0.4	0.4	1.275	1.77
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-09/28/77	22	0.04	0.047	0.3	0.01	0.003	0.059	0.01	0.03	0.05	0.06
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-09/28/77	33	0.04	0.051	0.23	0.02	0.001	0.038	0.023	0.03	0.055	0.076
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-09/28/77	33	0.005	0.008	0.074	0.002	0.	0.013	0.002	0.002	0.007	0.017
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	2	63.5	63.5	66.	61.	12.5	3.536	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/12/77	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-07/13/76	2	45.	45.	80.	10.	2450.	49.497	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/21/76-07/13/76	2	1.452	1.452	1.903	1.	0.408	0.639	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			28.284								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0025

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	18	0	0.00	16	0	0.00							2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00										2	0	0.00
00400	PH	Other-Hi Lim.	9.	3	0	0.00							1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00							1	0	0.00	2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00							1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00							1	0	0.00	2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	22	0	0.00	19	0	0.00				1	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00							1	0	0.00	2	0	0.00
		Drinking Water	250.	3	0	0.00							1	0	0.00	2	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0026

NPS Station ID: SACN0026
LAT/LON: 46.195365/ -91.239059
Agency: 21WIS
Date Created: 06/17/76
Location: SPRING CR AT ABANDONED RD SEC 21
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 043033 /8270AC043033
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISSISSIPPI
ECO Region:
RF1 Index: 07030002011
RF1 Mile Point: 5.010
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030002077800.00
RF3 Mile Point: 1.02
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-10/04/76	4	15.15	15.075	20.	10.	29.289	5.412	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-09/26/77	22	1.45	1.532	2.4	1.	0.194	0.44	1.	1.175	1.825	2.27
00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	5	20.	24.	40.	10.	130.	11.402	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-09/28/77	24	93.5	95.	128.	70.	354.87	18.838	70.5	80.	110.	124.
00300	OXYGEN, DISSOLVED MG/L	05/21/76-10/04/76	4	10.55	10.2	11.	8.7	1.127	1.061	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-09/28/77	6	1.8	1.85	2.5	1.2	0.223	0.472	**	**	**	**
00312	BOD, 6 DAY, 20 DEG C MG/L	10/04/76-09/24/77	5	2.9	2.84	4.1	1.8	0.698	0.835	**	**	**	**
00400	PH (STANDARD UNITS)	05/21/76-03/30/77	11	7.2	7.255	7.8	7.	0.041	0.202	7.04	7.2	7.2	7.72
00400	CONVERTED PH (STANDARD UNITS)	05/21/76-03/30/77	11	7.2	7.222	7.8	7.	0.042	0.205	7.04	7.2	7.2	7.72
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/30/77	11	0.063	0.06	0.1	0.016	0.	0.02	0.021	0.063	0.063	0.093
00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	5	7.7	7.56	7.9	6.9	0.148	0.385	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/21/76-03/12/77	5	7.7	7.39	7.9	6.9	0.184	0.429	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/12/77	5	0.02	0.041	0.126	0.013	0.002	0.048	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-10/04/76	4	61.	61.5	64.	60.	3.667	1.915	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/21/76-09/28/77	43	102.	127.163	825.	60.	15211.806	123.336	75.	92.	108.	143.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-09/28/77	24	50.	46.333	60.	16.	152.58	12.352	20.	40.5	55.5	58.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-09/28/77	44	9.	21.455	246.	1.	2169.51	46.578	2.5	5.	13.75	29.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-09/28/77	24	4.5	5.	11.	1.	6.957	2.638	2.	3.	6.	10.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-09/28/77	26	0.7	0.655	1.2	0.11	0.088	0.297	0.17	0.475	0.825	1.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-09/28/77	26 ##	0.01	0.033	0.28	0.01	0.003	0.056	0.01	0.01	0.03	0.086
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/77-07/31/77	18	0.75	0.911	2.8	0.2	0.374	0.612	0.38	0.4	1.125	1.81
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-09/28/77	26	0.055	0.09	0.7	0.01	0.018	0.133	0.017	0.038	0.1	0.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-09/28/77	44	0.04	0.053	0.33	0.019	0.003	0.053	0.02	0.02	0.06	0.09
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-09/28/77	44	0.007	0.011	0.053	0.002	0.	0.01	0.002	0.004	0.013	0.028
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-10/04/76	4	64.	63.75	65.	62.	2.25	1.5	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/30/77	11 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-10/04/76	4	40.	55.	120.	20.	2033.333	45.092	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/21/76-10/04/76	4	1.588	1.639	2.079	1.301	0.113	0.336	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			43.559								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0026

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	22	0	0.00	20	0	0.00							2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	4	0	0.00	2	0	0.00							2	0	0.00
00400	PH	Other-Hi Lim.	9.	11	0	0.00	2	0	0.00				7	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	11	0	0.00	2	0	0.00				7	0	0.00	2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	5	0	0.00	2	0	0.00				1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00				1	0	0.00	2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	26	0	0.00	23	0	0.00				1	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	11	0	0.00	2	0	0.00				7	0	0.00	2	0	0.00
		Drinking Water	250.	11	0	0.00	2	0	0.00				7	0	0.00	2	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	0	0.00	2	0	0.00							2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0027

NPS Station ID: SACN0027
LAT/LON: 46.198782/ -91.242031
Agency: 21WIS
Date Created: 06/17/76
Location: SPRING CR TELEMARK RD NR MOUTH
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 043034 /8270AC043034
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISSISSIPPI
ECO Region:
RF1 Index: 07030002011
RF1 Mile Point: 4.760
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030002077800.00
RF3 Mile Point: 0.65
Distance from RF3: 0.01
On/Off RF3:
Description:
SPRING CREEK AT TELEMARK ROAD LAST CROSSING-ABOVE MOUTH-NPS STUDY

Parameter Inventory for Station: SACN0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0028

NPS Station ID: SACN0028
LAT/LON: 46.188531/ -91.243031
Agency: 21WIS
Date Created: 06/17/76
Location: SPRING CR AT SKI LODGE RD SEC 21
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 043032 /8270AC043032
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISSISSIPPI
ECO Region:
RF1 Index: 07030002011
RF1 Mile Point: 4.160
Distance from RF1: 7.80
On/Off RF1: OFF
RF3 Index: 07030002003200.00
RF3 Mile Point: 0.21
Distance from RF3: 0.81
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/21/76-07/13/76	2	16.75	16.75	17.5	16.	1.125	1.061	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/21/76-07/13/76	2	1.2	1.2	1.3	1.1	0.02	0.141	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/21/76-03/12/77	3	35.	31.667	40.	20.	108.333	10.408	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/21/76-03/12/77	3	134.	121.667	134.	97.	456.333	21.362	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/21/76-07/13/76	2	10.	10.	11.	9.	2.	1.414	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/21/76-07/13/76	2	2.05	2.05	2.5	1.6	0.405	0.636	**	**	**	**
00400	PH (STANDARD UNITS)	05/21/76-03/12/77	3	7.4	7.367	7.6	7.1	0.063	0.252	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/21/76-03/12/77	3	7.4	7.318	7.6	7.1	0.067	0.259	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/12/77	3	0.04	0.048	0.079	0.025	0.001	0.028	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/21/76-03/12/77	3	7.3	7.3	7.8	6.8	0.25	0.5	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/21/76-03/12/77	3	7.3	7.126	7.8	6.8	0.295	0.544	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/21/76-03/12/77	3	0.05	0.075	0.158	0.016	0.006	0.074	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	2	63.	63.	63.	63.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/21/76-03/12/77	3	100.	100.667	106.	96.	25.333	5.033	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/21/76-03/12/77	3	38.	36.	48.	22.	172.	13.115	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/21/76-03/12/77	3	3.	7.	16.	2.	61.	7.81	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/21/76-03/12/77	3	3.	5.	10.	2.	19.	4.359	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/21/76-03/12/77	3	0.2	0.353	0.7	0.16	0.091	0.301	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/21/76-03/12/77	3	0.08	0.16	0.32	0.08	0.019	0.139	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/21/76-03/12/77	3	0.06	0.223	0.6	0.01	0.107	0.327	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/21/76-03/12/77	3	0.03	0.053	0.11	0.02	0.002	0.049	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/21/76-03/12/77	3	0.018	0.026	0.051	0.008	0.001	0.023	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/21/76-07/13/76	2	65.	65.	66.	64.	2.	1.414	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/21/76-03/12/77	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/21/76-07/13/76	2 ##	107.5	107.5	210.	5.	21012.5	144.957	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/21/76-07/13/76	2 ##	1.511	1.511	2.322	0.699	1.317	1.148	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			32.404								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00										2	0	0.00
00400	PH	Other-Hi Lim.	9.	3	0	0.00							1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00							1	0	0.00	2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00							1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00							1	0	0.00	2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00							1	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00							1	0	0.00	2	0	0.00
		Drinking Water	250.	3	0	0.00							1	0	0.00	2	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	2	1	0.50										2	1	0.50

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0029

NPS Station ID: SACN0029 | LAT/LON: 46.222170/ -91.269837 | Agency: 21WIL | Date Created: 08/29/92
Location: PRICE LAKE | FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 044024 /8270AG044024/4307W084024
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 16 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 12.40 | On/Off RF1:
RF3 Index: 07030002004500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.12 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/09/79-07/09/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/09/79-07/09/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/09/79-07/09/79	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/79-07/09/79	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/79-07/09/79	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/09/79-07/09/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/09/79-07/09/79	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/09/79-07/09/79	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/79-07/09/79	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/79-07/09/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/09/79-07/09/79	1	0.59	0.59	0.59	0.59	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/79-07/09/79	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/09/79-07/09/79	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/79-07/09/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/09/79-07/09/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/79-07/09/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/79-07/09/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/09/79-07/09/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/09/79-07/09/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/79-07/09/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/79-07/09/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/79-07/09/79	1	3.31	3.31	3.31	3.31	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/09/79-07/09/79	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	1	1.00										1	1	1.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0030

NPS Station ID: SACN0030 | LAT/LON: 46.222003/ -91.312170 | Agency: 21WIL | Date Created: 08/29/92
Location: CABLE LAKE | FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 044005 /8270AG044005/4308W124005
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 44 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 04010302011300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.15 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/06/79-07/06/79	2	76.	76.	76.	76.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/06/79-07/06/79	2	5.	5.	5.	5.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/06/79-07/06/79	2	3.35	3.35	4.9	1.8	4.805	2.192	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/06/79-07/06/79	2	133.	133.	133.	133.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/79-07/06/79	2	182.	182.	216.	148.	2312.	48.083	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/06/79-07/06/79	2	4.6	4.6	9.	0.2	38.72	6.223	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/06/79-07/06/79	2	7.55	7.55	7.6	7.5	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/06/79-07/06/79	2	7.547	7.547	7.6	7.5	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/79-07/06/79	2	0.028	0.028	0.032	0.025	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/79-07/06/79	2	66.5	66.5	79.	54.	312.5	17.678	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/06/79-07/06/79	2	1.645	1.645	2.29	1.	0.832	0.912	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/06/79-07/06/79	2	0.95	0.95	1.21	0.69	0.135	0.368	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/06/79-07/06/79	2	0.645	0.645	1.	0.29	0.252	0.502	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/06/79-07/06/79	2 ##	0.007	0.007	0.012	0.002	0.	0.007	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/06/79-07/06/79	2 ##	0.04	0.04	0.07	0.01	0.002	0.042	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/79-07/06/79	2	0.08	0.08	0.15	0.01	0.01	0.099	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/79-07/06/79	2 ##	0.013	0.013	0.024	0.003	0.	0.015	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/06/79-07/06/79	2	14.5	14.5	18.	11.	24.5	4.95	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/06/79-07/06/79	2	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/06/79-07/06/79	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/06/79-07/06/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/79-07/06/79	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/06/79-07/06/79	2 ##	557.5	557.5	1100.	15.	588612.5	767.211	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/06/79-07/06/79	2	3.77	3.77	3.77	3.77	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/06/79-07/06/79	2 ##	0.43	0.43	0.82	0.04	0.304	0.552	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0031

NPS Station ID: SACN0031
LAT/LON: 46.188503/ -91.318670
Agency: 21WIS
Date Created: 11/17/75
Location: NAMEKAGON R AT STH 63 BL CABLE
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 043023 /8270AB043023/4308W
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030002016
RF1 Mile Point: 0.540
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07050001003204.28
RF3 Mile Point: 15.18
Distance from RF3: 0.50
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0032

NPS Station ID: SACN0032
LAT/LON: 46.185115/ -91.327615
Agency: 21WITIS
Date Created: 09/24/88
Location: BIG BROOK 10 RIVER ROAD
FIPS State/County: 55007 WISCONSIN/BAYFIELD
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 045021 /8270MA045021
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 0.40
On/Off RF1:
RF3 Index: 04010302000617.62
RF3 Mile Point: 17.61
Distance from RF3: 0.11
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	08/10/85-08/15/85	4	0.785	0.788	1.12	0.46	0.076	0.276	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	08/10/85-08/15/85	4	11.6	12.	14.	10.8	1.92	1.386	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/10/85-08/15/85	4	0.375	0.403	0.62	0.24	0.025	0.159	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0033

NPS Station ID: SACN0033 LAT/LON: 46.151115/ -91.340281 Agency: 21WITIS Date Created: 08/01/87
Location: PACWAWONG SPRINGS FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/LAKE/TISSUE STORET Station ID(s): 585012 /8270MA585012/4208W115012 /2728900
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030002 RF1 Mile Point: 0.000 Distance from RF1: 0.30 On/Off RF1:
RF3 Index: 07030002002207.84 RF3 Mile Point: 7.84 Distance from RF3: 0.01 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/04/84-07/05/85	5	1.43	1.404	2.31	0.75	0.444	0.667	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	10/04/84-07/05/85	5	13.9	14.2	19.5	11.3	11.06	3.326	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/04/84-07/05/85	5	0.18	0.244	0.55	0.1	0.033	0.181	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0034

NPS Station ID: SACN0034 | LAT/LON: 46.149837/ -91.342365 | Agency: 21WITIS | Date Created: 07/02/88
Location: PACWAWONG LK 00 T42R8W S2 | FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 585021 /8270MA585021/4208W025021 /2728700
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07050001 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07050001 | RF1 Mile Point: 0.000 | Distance from RF1: 10.60 | On/Off RF1:
RF3 Index: 07050001009900.00 | RF3 Mile Point: 0.30 | Distance from RF3: 0.10 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/05/85-07/05/85	4	1.19	1.515	3.11	0.57	1.403	1.185	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	07/05/85-07/05/85	4	18.05	19.1	25.	15.3	21.153	4.599	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/05/85-07/05/85	4	0.14	0.19	0.36	0.12	0.013	0.114	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0035

NPS Station ID: SACN0035 LAT/LON: 46.133059/ -91.361115 Agency: 21WITIS Date Created: 08/01/87
Location: SILVERTHORN LAKE FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/LAKE/TISSUE STORET Station ID(s): 585013 /8270MA585013/4208W105013 /2497000
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030002 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030002 RF1 Mile Point: 0.000 Distance from RF1: 2.00 On/Off RF1:
RF3 Index: 07030002001011.01 RF3 Mile Point: 11.28 Distance from RF3: 0.13 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/04/84-06/20/85	7	1.01	1.367	2.54	0.82	0.379	0.616	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	10/04/84-06/20/85	7	13.4	13.857	18.	11.9	4.023	2.006	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/04/84-06/20/85	7	0.4	0.441	0.64	0.31	0.013	0.115	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0036

NPS Station ID: SACN0036
LAT/LON: 46.117170/ -91.365866
Agency: 21WIS
Date Created: 11/17/75
Location: NAMEKAGON R ADJ TO STH 63 SEELEY
FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 583018 /8270AB583018/4208W
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030002010
RF1 Mile Point: 7.450
Distance from RF1: 7.10
On/Off RF1: OFF
RF3 Index: 07050001029400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.14
On/Off RF3:
Description:
ADJACENT TO STH 63 AT TOWN OF SEELEY

Parameter Inventory for Station: SACN0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0037

NPS Station ID: SACN0037
LAT/LON: 46.082226/ -91.380559
Agency: 21WITIS
Date Created: 12/10/94
Location: OSGOOD LAKE
FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 585041 /8270MA585041/4208W335041
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0038

NPS Station ID: SACN0038 | LAT/LON: 46.103837/ -91.393337 | Agency: 21WITIS | Date Created: 07/02/88
Location: NAMEKAGON RIVER 00 T42R8W S20 | FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/STREAM/TISSUE | STORET Station ID(s): 585025 /8270MA585025/4208W205025
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07050001143103.29 | RF3 Mile Point: 5.27 | Distance from RF3: 0.41 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/27/84-07/27/84	1	3.64	3.64	3.64	3.64	0.	0.	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	07/27/84-07/27/84	1	27.	27.	27.	27.	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/27/84-07/27/84	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0039

NPS Station ID: SACN0039 | LAT/LON: 46.062837/ -91.394670 | Agency: 21WIL | Date Created: 08/29/92
Location: PHIPPS SPRING | FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 584021 /8270AG584021/4108W054021
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 7 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 23.30 | On/Off RF1:
RF3 Index: 07050001149001.53 | RF3 Mile Point: 5.05 | Distance from RF3: 0.10 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/20/79-07/20/79	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/20/79-07/21/79	2	2.4	2.4	3.5	1.3	2.42	1.556	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/79-07/21/79	2	171.5	171.5	179.	164.	112.5	10.607	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/20/79-07/20/79	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/79-07/21/79	2	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/79-07/21/79	2	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/79-07/21/79	2	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/79-07/21/79	2	77.5	77.5	81.	74.	24.5	4.95	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/20/79-07/21/79	2	0.35	0.35	0.59	0.11	0.115	0.339	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/20/79-07/21/79	2 ##	0.235	0.235	0.43	0.04	0.076	0.276	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/20/79-07/21/79	2 ##	0.073	0.073	0.13	0.015	0.007	0.081	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/20/79-07/21/79	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/20/79-07/21/79	2 ##	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/79-07/21/79	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/79-07/21/79	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/20/79-07/21/79	2	17.	17.	19.	15.	8.	2.828	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/20/79-07/21/79	2	6.	6.	6.	6.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/20/79-07/21/79	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/20/79-07/21/79	2 ##	0.475	0.475	0.7	0.25	0.101	0.318	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/79-07/21/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/79-07/21/79	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/20/79-07/21/79	2	4.49	4.49	4.49	4.49	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/20/79-07/21/79	2 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0039

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0039

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0040

NPS Station ID: SACN0040
LAT/LON: 45.965005/ -91.428059
Agency: 21WITIS
Date Created: 04/13/91
Location: SPRING LAKE
FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 585045 /8270MA585045/4009W125045
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 0.30
On/Off RF1:
RF3 Index: 07030002002207.35
RF3 Mile Point: 7.35
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF WRM-MADISON (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	06/07/88-06/07/88	5	1.26	1.584	2.76	0.88	0.575	0.758	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	06/07/88-06/07/88	5	16.	15.42	17.5	13.	3.762	1.94	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	06/07/88-06/07/88	5	0.3	0.34	0.7	0.1	0.048	0.219	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/07/88-06/07/88	5	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0041

NPS Station ID: SACN0041
LAT/LON: 46.051670/ -91.431392
Agency: 112WRD
Date Created: 02/20/76
Location: NAMEKAGON RIVER NEAR HAYWARD, WI
FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05331855
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030002010
RF1 Mile Point: 0.340
Distance from RF1: 9.50
On/Off RF1: OFF
RF3 Index: 07050001095700.00
RF3 Mile Point: 0.72
Distance from RF3: 0.65
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/75-08/26/85	29	7.	9.531	24.	0.	61.47	7.84	0.	3.65	16.5	22.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/22/83-08/22/83	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/22/83-08/26/85	2	738.5	738.5	743.	734.	40.5	6.364	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	29	184.	214.586	446.	127.	7526.323	86.754	134.	164.5	255.	375.
00065	STAGE, STREAM (FEET)	04/11/83-08/22/83	2	6.255	6.255	6.48	6.03	0.101	0.318	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/20/75-03/30/78	11	1.	1.182	2.	0.	0.364	0.603	0.2	1.	2.	2.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/22/78-10/14/80	9	1.	1.044	3.	0.4	0.605	0.778	0.4	0.5	1.	3.
00080	COLOR (PLATINUM-COBALT UNITS)	10/20/75-10/14/80	20	15.	18.1	48.	2.	221.042	14.867	2.2	5.25	30.	44.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/20/75-08/26/85	29	146.	145.448	215.	100.	743.97	27.276	108.	121.	160.5	185.
00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/26/85	28	10.8	10.668	12.9	8.1	2.208	1.486	8.38	9.3	12.	12.51
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/04/76-08/24/82	25	97.	94.72	123.	62.	233.293	15.274	68.2	88.5	102.	117.8
00400	PH (STANDARD UNITS)	10/20/75-08/26/85	27	7.8	7.741	8.6	6.8	0.306	0.553	6.982	7.28	8.2	8.6
00400	CONVERTED PH (STANDARD UNITS)	10/20/75-08/26/85	27	7.8	7.44	8.6	6.8	0.4	0.633	6.982	7.28	8.2	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/20/75-08/26/85	27	0.016	0.036	0.158	0.003	0.002	0.042	0.003	0.006	0.052	0.105
00403	PH, LAB, STANDARD UNITS SU	02/24/81-08/26/85	8	7.8	7.775	7.9	7.6	0.011	0.104	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/24/81-08/26/85	8	7.8	7.764	7.9	7.6	0.011	0.104	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/24/81-08/26/85	8	0.016	0.017	0.025	0.013	0.	0.004	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/20/75-08/18/81	17	2.7	4.253	14.	0.3	19.135	4.374	0.38	0.85	6.9	14.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/20/75-07/07/80	19	67.	62.895	78.	39.	160.766	12.679	41.	49.	71.	77.
00440	BICARBONATE ION (MG/L AS HCO3)	10/20/75-03/30/78	11	79.	75.	94.	48.	245.	15.652	49.2	58.	87.	94.
00445	CARBONATE ION (MG/L AS CO3)	10/20/75-03/30/78	9	0.	0.889	8.	0.	7.111	2.667	0.	0.	0.	8.
00600	NITROGEN, TOTAL (MG/L AS N)	10/20/75-04/07/82	24	0.45	0.425	0.8	0.16	0.021	0.143	0.2	0.338	0.488	0.57
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	25	0.28	0.263	0.45	0.	0.012	0.11	0.126	0.175	0.35	0.402
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	28	0.02	0.028	0.13	0.005	0.001	0.03	0.005	0.01	0.04	0.064
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	28 ##	0.005	0.008	0.05	0.	0.	0.009	0.	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/20/75-10/14/80	20	0.105	0.133	0.45	0.	0.014	0.118	0.01	0.033	0.225	0.259
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	28	0.29	0.292	0.5	0.1	0.012	0.11	0.148	0.205	0.39	0.46
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	28	0.105	0.129	0.46	0.01	0.011	0.106	0.028	0.043	0.213	0.26
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/79-04/16/79	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	27	0.02	0.022	0.06	0.01	0.	0.011	0.01	0.01	0.03	0.032
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	26	0.01	0.022	0.18	0.005	0.001	0.034	0.005	0.009	0.023	0.033
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/20/75-08/26/85	15	4.	4.76	12.	2.	7.161	2.676	2.06	2.6	6.5	9.
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/20/75-08/22/83	9	0.	0.002	0.005	0.	0.	0.003	0.	0.	0.005	0.005
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/20/75-04/11/83	26	69.	66.	81.	45.	103.2	10.159	51.9	57.5	73.	80.3
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/20/75-02/24/81	21	3.	4.476	12.	0.	16.362	4.045	0.	1.	6.	12.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/20/75-08/26/85	28	19.	18.143	23.	12.	8.349	2.889	13.9	16.	20.	22.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/20/75-08/26/85	28	5.3	4.961	6.4	3.2	0.676	0.822	3.6	4.225	5.575	5.82
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	28	2.2	2.175	2.6	1.7	0.049	0.222	1.79	2.025	2.3	2.41

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00931	SODIUM ADSORPTION RATIO	10/20/75-04/11/83	26	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00932	SODIUM, PERCENT	10/20/75-04/11/83	26	6.	6.615	8.	5.	0.726	0.852	6.	6.	7.	8.
00933	SODIUM,PLUS POTASSIUM (MG/L)	02/20/80-02/20/80	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	28	0.7	0.704	1.2	0.4	0.026	0.16	0.5	0.6	0.8	0.9
00940	CHLORIDE,TOTAL IN WATER MG/L	10/20/75-08/26/85	28	2.	2.143	3.	2.	0.127	0.356	2.	2.	2.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/20/75-08/26/85	28	4.5	5.036	10.	4.	2.48	1.575	4.	4.	5.	8.1
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	28 ##	0.05	0.066	0.1	0.	0.001	0.027	0.05	0.05	0.1	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	28	13.	12.993	17.	9.8	3.231	1.798	10.9	12.	14.	16.1
01002	ARSENIC, TOTAL (UG/L AS AS)	10/20/75-08/22/83	9	1.	1.056	2.	0.5	0.153	0.391	0.5	1.	1.	2.
01007	BARIUM, TOTAL (UG/L AS BA)	08/22/78-08/22/83	4 ##	75.	75.	100.	50.	833.333	28.868	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/07/80-07/07/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	10/20/75-08/22/83	8	15.	21.5	50.	2.	286.571	16.928	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/20/75-08/22/83	9	1.	1.	2.	0.	0.5	0.707	0.	0.5	1.5	2.
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/20/75-08/22/83	9	10.	11.111	20.	0.	36.111	6.009	0.	10.	15.	20.
01037	COBALT, TOTAL (UG/L AS CO)	10/20/75-08/22/83	9 ##	0.5	1.	3.	0.	1.188	1.09	0.	0.	2.	3.
01042	COPPER, TOTAL (UG/L AS CU)	10/20/75-08/22/83	8	2.	4.625	22.	0.	50.554	7.11	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/20/75-08/22/83	8	235.	238.75	360.	50.	10098.214	100.49	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/20/75-08/26/85	12	125.	127.5	240.	50.	2820.455	53.108	53.	100.	147.5	228.
01051	LEAD, TOTAL (UG/L AS PB)	10/20/75-08/22/83	9	4.	5.778	18.	0.	26.194	5.118	0.	3.	7.	18.
01055	MANGANESE, TOTAL (UG/L AS MN)	10/20/75-08/22/83	8	20.	84.375	480.	5.	25938.839	161.055	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/20/75-08/26/85	12 ##	5.	9.333	20.	5.	45.333	6.733	5.	5.	18.	20.
01067	NICKEL, TOTAL (UG/L AS NI)	10/20/75-08/22/83	9	6.	15.111	100.	0.	1023.611	31.994	0.	1.5	8.5	100.
01077	SILVER, TOTAL (UG/L AS AG)	10/20/75-08/22/83	8 ##	0.	0.188	0.5	0.	0.067	0.259	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/20/75-08/22/83	9	10.	16.111	50.	0.	211.111	14.53	0.	7.5	20.	50.
01147	SELENIUM, TOTAL (UG/L AS SE)	10/20/75-08/22/83	9 ##	0.5	0.5	1.	0.	0.063	0.25	0.	0.5	0.5	1.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/75-07/20/76	4	7.5	31.375	110.	0.5	2786.563	52.788	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/75-07/20/76	4	0.573	0.722	2.041	-0.301	1.163	1.078	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.268								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	23	9.	12.804	52.	0.5	224.062	14.969	1.	2.	15.	44.6
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	23	0.954	0.809	1.716	-0.301	0.314	0.561	0.	0.301	1.176	1.649
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			6.449								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	24	34.	125.083	640.	0.5	28739.71	169.528	0.75	13.	202.5	435.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	24	1.531	1.543	2.806	-0.301	0.838	0.915	-0.151	1.086	2.305	2.628
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			34.921								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/20/75-07/20/76	4	26.	174.75	640.	7.	96524.25	310.684	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/20/75-07/20/76	4	1.249	1.537	2.806	0.845	0.861	0.928	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			34.466								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/20/75-08/26/85	28	93.5	92.107	127.	64.	173.655	13.178	76.3	85.25	98.5	110.1
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/20/75-04/11/83	26	86.5	83.731	102.	60.	141.085	11.878	65.2	74.5	92.25	98.3
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/20/75-08/24/82	25	44.8	46.908	76.	33.2	96.002	9.798	36.9	41.5	47.75	65.68
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/20/75-08/24/82	25	0.13	0.124	0.17	0.09	0.	0.017	0.1	0.115	0.13	0.144
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/01/76-08/22/83	23	88.	83.217	100.	45.	303.451	17.42	56.6	67.	100.	100.
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/16/79-10/14/80	6	0.02	0.03	0.07	0.01	0.001	0.024	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/16/79-08/26/85	14	0.06	0.066	0.18	0.03	0.001	0.038	0.03	0.053	0.068	0.135
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/20/75-04/07/82	24	2.	1.875	3.5	0.7	0.395	0.628	0.85	1.525	2.175	2.5
71900	MERCURY, TOTAL (UG/L AS HG)	10/20/75-08/22/83	9 ##	0.25	0.383	1.8	0.05	0.291	0.539	0.05	0.15	0.275	1.8
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	27	2.	2.963	11.	1.	6.652	2.579	1.	1.	4.	8.2
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	24	1.	1.817	11.	0.37	5.43	2.33	0.45	0.5	1.7	4.6
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/24/81-08/18/81	3	0.4	0.5	0.7	0.4	0.03	0.173	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0041

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	11	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	28	0	0.00	10	0	0.00	6	0	0.00	8	0	0.00	4	0	0.00
00400	PH	Other-Hi Lim.	9.	27	0	0.00	11	0	0.00	5	0	0.00	7	0	0.00	4	0	0.00
		Other-Lo Lim.	6.5	27	0	0.00	11	0	0.00	5	0	0.00	7	0	0.00	4	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0041

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	28	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	4	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	20	0	0.00	7	0	0.00	5	0	0.00	4	0	0.00	4	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	28	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	4	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	0.2	9	0	0.00	6	0	0.00							3	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	28	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	4	0	0.00
		Drinking Water	250.	28	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	4	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	28	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	4	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	28	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	4	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	50.	9	0	0.00	6	0	0.00							3	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	4	0	0.00	4	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00										1	0	0.00
		Drinking Water	4.	1	0	0.00										1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	5.	9	0	0.00	6	0	0.00							3	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	6	0	0.00							3	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	8	1	0.13	6	1	0.17							2	0	0.00
		Drinking Water	1300.	8	0	0.00	6	0	0.00							2	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	15.	9	1	0.11	6	1	0.17							3	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	100.	9	1	0.11	6	0	0.00							3	1	0.33
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	6	0	0.00							2	0	0.00
		Drinking Water	100.	8	0	0.00	6	0	0.00							2	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	5000.	9	0	0.00	6	0	0.00							3	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	50.	9	0	0.00	6	0	0.00							3	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	23	0	0.00	10	0	0.00	5	0	0.00	6	0	0.00	2	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	2.	9	0	0.00	6	0	0.00							3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/75-08/26/85	11	16.5	13.864	22.	6.	32.805	5.728	6.2	8.	17.	21.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	11	184.	185.545	375.	127.	4446.073	66.679	128.4	146.	185.	338.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/20/75-08/26/85	11	146.	147.	185.	108.	623.6	24.972	110.4	122.	161.	185.
00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/26/85	10	9.55	10.04	12.2	8.2	2.067	1.438	8.22	9.	11.55	12.18
00400	PH (STANDARD UNITS)	10/20/75-08/26/85	11	8.2	7.996	8.6	7.03	0.244	0.494	7.124	7.5	8.3	8.6
00400	CONVERTED PH (STANDARD UNITS)	10/20/75-08/26/85	11	8.2	7.717	8.6	7.03	0.33	0.575	7.124	7.5	8.3	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/20/75-08/26/85	11	0.006	0.019	0.093	0.003	0.001	0.027	0.003	0.005	0.032	0.081
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	9	0.28	0.26	0.42	0.13	0.013	0.114	0.13	0.15	0.37	0.42
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	11	0.01	0.012	0.04	0.005	0.	0.01	0.005	0.005	0.01	0.036
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	11 ##	0.005	0.01	0.05	0.	0.	0.014	0.001	0.005	0.01	0.042
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	11	0.28	0.285	0.5	0.13	0.018	0.133	0.134	0.16	0.4	0.492
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	11	0.05	0.054	0.11	0.03	0.001	0.022	0.032	0.04	0.05	0.104
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	11	0.02	0.021	0.06	0.01	0.	0.015	0.01	0.01	0.03	0.054
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	11	0.01	0.014	0.03	0.005	0.	0.01	0.005	0.005	0.02	0.03
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/20/75-08/26/85	11	20.	19.	23.	14.	7.4	2.72	14.2	17.	20.	22.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/20/75-08/26/85	11	5.5	5.327	6.4	4.	0.468	0.684	4.04	5.3	5.7	6.28
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	11	2.2	2.236	2.6	1.9	0.039	0.196	1.92	2.1	2.4	2.56
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	11	0.7	0.655	0.9	0.4	0.023	0.151	0.42	0.5	0.8	0.88
00940	CHLORIDE,TOTAL IN WATER MG/L	10/20/75-08/26/85	11	2.	2.091	3.	2.	0.091	0.302	2.	2.	2.	2.8
00945	SULFATE, TOTAL (MG/L AS SO4)	10/20/75-08/26/85	11	4.	4.545	8.	4.	1.473	1.214	4.	4.	5.	7.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	11 ##	0.05	0.064	0.1	0.05	0.001	0.023	0.05	0.05	0.1	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	11	12.	12.636	14.	12.	0.655	0.809	12.	12.	13.	14.
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	10	16.	22.2	52.	3.	341.067	18.468	3.1	4.75	44.25	51.3
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	10	1.203	1.167	1.716	0.477	0.205	0.453	0.49	0.675	1.646	1.71
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			14.704								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	10	195.	226.9	640.	22.	46957.433	216.697	22.8	33.75	387.5	629.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	10	2.289	2.114	2.806	1.342	0.286	0.534	1.356	1.527	2.58	2.798
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			129.953								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/20/75-08/26/85	11	94.	98.909	127.	85.	170.291	13.05	85.2	86.	110.	123.8
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/20/75-08/24/82	9	43.4	43.456	47.	36.	11.458	3.385	36.	42.2	46.45	47.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/20/75-08/24/82	9	0.13	0.136	0.17	0.12	0.	0.016	0.12	0.125	0.145	0.17
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	11	2.	2.455	4.	1.	1.473	1.214	1.	1.	4.	4.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	9	1.	0.948	1.8	0.44	0.205	0.453	0.44	0.5	1.25	1.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/75-08/26/85	6	0.2	0.483	2.	0.	0.602	0.776	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	6	170.5	167.5	186.	131.	361.1	19.003	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/20/75-08/26/85	6	166.5	172.5	215.	150.	597.1	24.436	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/26/85	6	10.2	10.45	12.9	8.9	2.411	1.553	**	**	**	**
00400	PH (STANDARD UNITS)	10/20/75-08/26/85	5	7.3	7.318	7.6	6.91	0.07	0.265	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/20/75-08/26/85	5	7.3	7.248	7.6	6.91	0.076	0.276	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/20/75-08/26/85	5	0.05	0.056	0.123	0.025	0.002	0.039	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	6	0.19	0.165	0.28	0.	0.009	0.096	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	6	0.035	0.055	0.13	0.01	0.002	0.048	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	6 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	6	0.22	0.215	0.3	0.1	0.004	0.064	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	6	0.24	0.233	0.26	0.18	0.001	0.031	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	6	0.02	0.018	0.03	0.01	0.	0.008	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	6	0.01	0.013	0.02	0.01	0.	0.005	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/20/75-08/26/85	6	20.	19.833	22.	17.	4.167	2.041	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/20/75-08/26/85	6	5.5	5.15	6.	3.2	0.999	0.999	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	6	2.25	2.267	2.5	2.1	0.027	0.163	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	6	0.7	0.683	0.8	0.6	0.006	0.075	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	10/20/75-08/26/85	6	2.	2.167	3.	2.	0.167	0.408	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/20/75-08/26/85	6	4.	4.5	6.	4.	0.7	0.837	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	6 ##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	6	15.5	15.667	17.	14.	1.467	1.211	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	5	3.	5.1	11.	0.5	21.3	4.615	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	5	0.477	0.495	1.041	-0.301	0.295	0.543	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			3.123								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	5	4.	10.	33.	1.	177.5	13.323	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	5	0.602	0.684	1.519	0.	0.354	0.595	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			4.834								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/20/75-08/26/85	6	97.	95.833	106.	87.	48.167	6.94	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/20/75-08/24/82	6	44.75	43.117	46.6	37.5	12.742	3.57	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/20/75-08/24/82	6	0.13	0.128	0.14	0.12	0.	0.008	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	5	2.	3.4	11.	1.	18.3	4.278	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	5	0.92	1.628	5.3	0.46	4.277	2.068	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/75-08/26/85	8	5.25	5.538	9.	3.5	2.983	1.727	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	8	275.	298.5	446.	176.	9591.714	97.937	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/20/75-08/26/85	8	124.	122.5	145.	100.	272.571	16.51	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/26/85	8	12.1	12.038	12.6	11.	0.28	0.529	**	**	**	**
00400	PH (STANDARD UNITS)	10/20/75-08/26/85	7	7.2	7.451	8.6	6.8	0.394	0.627	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/20/75-08/26/85	7	7.2	7.193	8.6	6.8	0.471	0.687	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/20/75-08/26/85	7	0.063	0.064	0.158	0.003	0.003	0.056	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	6	0.32	0.313	0.38	0.21	0.004	0.065	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	7	0.04	0.036	0.06	0.01	0.	0.019	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	7 ##	0.005	0.006	0.01	0.	0.	0.003	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	7	0.34	0.33	0.42	0.2	0.008	0.087	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	7	0.16	0.197	0.46	0.1	0.015	0.124	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	6	0.025	0.025	0.03	0.02	0.	0.005	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	6	0.02	0.046	0.18	0.005	0.005	0.067	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/20/75-08/26/85	7	16.	15.143	18.	12.	4.143	2.035	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/20/75-08/26/85	7	4.3	4.186	4.8	3.6	0.245	0.495	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	7	2.	2.	2.3	1.7	0.073	0.271	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	7	0.8	0.829	1.2	0.6	0.039	0.198	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/20/75-08/26/85	7	2.	2.286	3.	2.	0.238	0.488	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/20/75-08/26/85	7	5.	5.857	10.	5.	3.476	1.864	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	7 ##	0.05	0.057	0.1	0.	0.001	0.035	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	7	11.	11.4	13.	9.8	1.72	1.311	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	6	2.	4.	14.	1.	25.2	5.02	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	6	0.301	0.392	1.146	0.	0.187	0.433	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			2.464								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	6	76.	92.25	220.	0.5	7244.975	85.117	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	6	1.792	1.549	2.342	-0.301	0.946	0.973	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			35.389								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/20/75-08/26/85	7	78.	81.	102.	64.	174.333	13.204	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/20/75-08/24/82	6	53.4	56.817	76.	41.4	166.578	12.906	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/20/75-08/24/82	6	0.105	0.108	0.14	0.09	0.	0.017	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	7	2.	2.857	9.	1.	8.476	2.911	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	6	1.35	3.012	11.	0.48	16.34	4.042	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/75-08/26/85	4	22.35	19.175	24.	8.	57.322	7.571	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	4	171.5	197.25	308.	138.	5738.25	75.751	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/20/75-08/26/85	4	153.	146.5	160.	120.	355.667	18.859	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/26/85	4	10.	9.825	11.2	8.1	1.642	1.282	**	**	**	**
00400	PH (STANDARD UNITS)	10/20/75-08/26/85	4	8.05	8.075	8.4	7.8	0.076	0.275	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/20/75-08/26/85	4	8.025	8.014	8.4	7.8	0.081	0.284	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/20/75-08/26/85	4	0.009	0.01	0.016	0.004	0.	0.005	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	4	0.33	0.34	0.45	0.25	0.007	0.084	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	4	0.015	0.02	0.04	0.01	0.	0.014	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	4 ##	0.005	0.005	0.01	0.	0.	0.004	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	4	0.36	0.36	0.46	0.26	0.007	0.085	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	4	0.02	0.06	0.19	0.01	0.008	0.087	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	4	0.025	0.025	0.04	0.01	0.	0.013	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	3	0.01	0.017	0.03	0.01	0.	0.012	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/20/75-08/26/85	4	19.5	18.5	20.	15.	5.667	2.38	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/20/75-08/26/85	4	5.25	5.025	5.5	4.1	0.396	0.629	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	4	2.2	2.175	2.3	2.	0.022	0.15	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	4	0.65	0.65	0.8	0.5	0.017	0.129	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/20/75-08/26/85	4	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/20/75-08/26/85	4	5.	5.75	9.	4.	5.583	2.363	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	4 ##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	4	13.	12.75	13.	12.	0.25	0.5	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	2	11.5	11.5	12.	11.	0.5	0.707	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	2	1.06	1.06	1.079	1.041	0.001	0.027	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			11.489								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	3	31.	43.167	98.	0.5	2487.583	49.876	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	3	1.491	1.061	1.991	-0.301	1.453	1.205	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			11.495								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/20/75-08/26/85	4	89.5	87.25	93.	77.	49.583	7.042	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/20/75-08/24/82	4	42.4	45.5	64.	33.2	175.087	13.232	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/20/75-08/24/82	4	0.12	0.118	0.13	0.1	0.	0.013	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	4	3.5	4.	8.	1.	8.667	2.944	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	4	2.3	2.218	3.9	0.37	2.753	1.659	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0042

NPS Station ID: SACN0042 | LAT/LON: 46.008698/ -91.471616 | Agency: 21WITIS | Date Created: 12/17/88
Location: HAYWARD LAKE | FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 585032 /8270MA585032/4109W275032
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07050001031300.00 | RF3 Mile Point: 0.56 | Distance from RF3: 0.13 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	05/24/86-06/04/87	4	1.93	9.48	32.19	1.87	229.22	15.14	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	05/24/86-06/04/87	4	19.55	27.225	54.	15.8	323.149	17.976	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	05/24/86-06/04/87	4	0.5	0.725	1.7	0.2	0.449	0.67	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/24/86-06/04/87	4	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0043

NPS Station ID: SACN0043
LAT/LON: 46.091670/ -91.475003
Agency: 21WIDNR
Date Created: 08/10/78
Location: NELSON LAKE
FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 215
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX
ECO Region:
RF1 Index: 07030002025
RF1 Mile Point: 2.540
Distance from RF1: 7.70
On/Off RF1: OFF
RF3 Index: 07050001099300.00
RF3 Mile Point: 1.22
Distance from RF3: 0.21
On/Off RF3:
Description:
DATA FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES FISH SAMPLING PROGRAMS FOR MERCURY, PCBS, AND PESTICIDES
SAMPLE TAKEN FROM NELSON LAKE

Parameter Inventory for Station: SACN0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00024	SAMPLE LENGTH IN INCHES	09/21/70-09/21/70	18	13.3	12.233	19.8	5.1	20.668	4.546	6.	7.175	15.775	17.82
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/21/70-09/21/70	18	0.07	0.117	0.32	0.04	0.007	0.085	0.049	0.05	0.18	0.284
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/21/70-09/21/70	18	1.	2.333	6.	1.	4.	2.	1.	1.	4.25	6.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0044

NPS Station ID: SACN0044 | LAT/LON: 46.033837/ -91.477837 | Agency: 21WIL | Date Created: 08/29/92
Location: INDIAN SCHOOL LAKE | FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 584013 /8270AG584013/4109W154013
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 6 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 20.70 | On/Off RF1:
RF3 Index: 07050001143901.43 | RF3 Mile Point: 1.42 | Distance from RF3: 0.21 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/20/79-07/20/79	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/20/79-07/20/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/20/79-07/20/79	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/20/79-07/20/79	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/79-07/20/79	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/20/79-07/20/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/79-07/20/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/79-07/20/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/79-07/20/79	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/79-07/20/79	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/20/79-07/20/79	1	0.81	0.81	0.81	0.81	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/20/79-07/20/79	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/20/79-07/20/79	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/20/79-07/20/79	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/20/79-07/20/79	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/20/79-07/20/79	1	0.028	0.028	0.028	0.028	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/20/79-07/20/79	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/20/79-07/20/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/20/79-07/20/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/20/79-07/20/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/20/79-07/20/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/79-07/20/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/79-07/20/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/20/79-07/20/79	1	9.63	9.63	9.63	9.63	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/20/79-07/20/79	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0045

NPS Station ID: SACN0045 | LAT/LON: 46.004837/ -91.477837 | Agency: 21WIL | Date Created: 08/29/92
Location: HAYWARD LAKE | FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 584010 /8270AG584010/4109W274010
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 17 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.50 | On/Off RF1:
RF3 Index: 07050001002103.34 | RF3 Mile Point: 3.33 | Distance from RF3: 0.08 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/16/79-07/16/79	2	61.	61.	61.	61.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/16/79-07/16/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/16/79-07/16/79	2	3.9	3.9	4.3	3.5	0.32	0.566	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/16/79-07/16/79	2	78.	78.	78.	78.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/16/79-07/16/79	2	158.5	158.5	165.	152.	84.5	9.192	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/16/79-07/16/79	2	5.9	5.9	6.7	5.1	1.28	1.131	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/16/79-07/16/79	2	7.75	7.75	8.3	7.2	0.605	0.778	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/16/79-07/16/79	2	7.468	7.468	8.3	7.2	0.764	0.874	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/79-07/16/79	2	0.034	0.034	0.063	0.005	0.002	0.041	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/16/79-07/16/79	2	54.	54.	56.	52.	8.	2.828	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/16/79-07/16/79	2	0.55	0.55	0.58	0.52	0.002	0.042	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/16/79-07/16/79	2	0.425	0.425	0.48	0.37	0.006	0.078	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/16/79-07/16/79	2 ##	0.058	0.058	0.1	0.015	0.004	0.06	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/16/79-07/16/79	2	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/16/79-07/16/79	2	0.055	0.055	0.06	0.05	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/16/79-07/16/79	2	0.017	0.017	0.02	0.014	0.	0.004	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/16/79-07/16/79	2 ##	0.008	0.008	0.014	0.003	0.	0.008	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/16/79-07/16/79	2	16.	16.	16.	16.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/16/79-07/16/79	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/16/79-07/16/79	2	3.	3.	5.	1.	8.	2.828	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/16/79-07/16/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/16/79-07/16/79	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/16/79-07/16/79	2	130.	130.	150.	110.	800.	28.284	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/16/79-07/16/79	2	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/16/79-07/16/79	2	0.645	0.645	0.65	0.64	0.	0.007	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00										2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0046

NPS Station ID: SACN0046
LAT/LON: 46.013892/ -91.479171
Agency: 21WIS
Date Created: 11/17/75
Location: NAMEKAGON R POWER DAM AT HAYWARD
FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 583019 /8270AB583019
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030002008
RF1 Mile Point: 10.570
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030002001006.03
RF3 Mile Point: 6.75
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0046

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0047

NPS Station ID: SACN0047
LAT/LON: 46.000005/ -91.492615
Agency: 21WITIS
Date Created: 12/10/94
Location: NAMEKAGON RIVER 20 BEL HAYWARD
FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 585044 /8270MA585044/4109W285044
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0048

NPS Station ID: SACN0048
LAT/LON: 46.063003/ -91.498670
Agency: 21WITIS
Date Created: 11/14/92
Location: SMITH LAKE
FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 585047 /8270MA585047/4109W045047
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07050001143004.66
RF3 Mile Point: 6.33
Distance from RF3: 0.38
On/Off RF3:
Description:
STATION FOR JIM AMRHEIN OF MADISON (608)266-5325 FISH CONTAMINANT MONITORING PROGRAM

Parameter Inventory for Station: SACN0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0049

NPS Station ID: SACN0049 LAT/LON: 45.968893/ -91.530837 Agency: 112WRD Date Created: 11/07/81
Location: NAMEKAGON R BELOW RAINBOW CREEK NEAR HAYWARD, WI FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05331878
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030002 RF1 Mile Point: 0.000 Distance from RF1: 15.90 On/Off RF1:
RF3 Index: 07050001113900.00 RF3 Mile Point: 1.02 Distance from RF3: 0.19 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/81-06/15/82	3	18.5	16.833	22.	10.	38.083	6.171	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/17/81-06/15/82	3	241.	239.	253.	223.	228.	15.1	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/81-06/15/82	3	145.	148.667	157.	144.	52.333	7.234	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/17/81-06/15/82	3	9.9	10.133	10.6	9.9	0.163	0.404	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/17/81-06/15/82	3	109.	108.333	118.	98.	100.333	10.017	**	**	**	**
00400	PH (STANDARD UNITS)	08/17/81-06/15/82	3	7.55	7.703	8.2	7.36	0.194	0.44	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/17/81-06/15/82	3	7.55	7.584	8.2	7.36	0.215	0.464	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/17/81-06/15/82	3	0.028	0.026	0.044	0.006	0.	0.019	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/17/81-10/15/81	2	0.46	0.46	0.5	0.42	0.003	0.057	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/17/81-10/15/81	2	0.285	0.285	0.35	0.22	0.008	0.092	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/17/81-10/15/81	2	0.045	0.045	0.05	0.04	0.	0.007	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/17/81-10/15/81	2	0.33	0.33	0.4	0.26	0.01	0.099	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/81-10/15/81	2	0.13	0.13	0.16	0.1	0.002	0.042	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/17/81-10/15/81	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/17/81-10/15/81	2	3.6	3.6	4.5	2.7	1.62	1.273	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/17/81-06/15/82	3	13.	15.	21.	11.	28.	5.292	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	08/17/81-06/15/82	3	1.114	1.159	1.322	1.041	0.021	0.146	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			14.427								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/17/81-06/15/82	3	180.	250.	450.	120.	30900.	175.784	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/17/81-06/15/82	3	2.255	2.329	2.653	2.079	0.086	0.294	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			213.414								
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	06/15/82-06/15/82	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	08/17/81-10/15/81	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	08/17/81-10/15/81	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	08/17/81-08/17/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.275	0.275	0.5	0.05	0.101	0.318	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/17/81-08/17/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/17/81-10/15/81	2	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/17/81-10/15/81	2	2.05	2.05	2.2	1.9	0.045	0.212	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82183	2,4-DP (DICHLORPROP) TOTAL UG/L	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	2	0	0.00							1	0	0.00
00400	PH	Other-Hi Lim.	9.	3	0	0.00	2	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00							1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	0	0.00	2	0	0.00							1	0	0.00
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	2	0	0.00	2	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	2	0	0.00	2	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	2	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	2	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	2	0	0.00									
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	2	0	0.00	2	0	0.00									
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	2	0	0.00	2	0	0.00									
		Drinking Water	3.	2	0	0.00	2	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00									
		Drinking Water	0.4	2	0	0.00	2	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	2	0	0.00	2	0	0.00									
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	2	0	0.00	2	0	0.00									
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00	2	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0050

NPS Station ID: SACN0050 LAT/LON: 45.978337/ -91.575282 Agency: 112WRD Date Created: 11/07/81
Location: NAMEKAGON R AT RIVER RAT LANDING NR HAYWARD, WI FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05331880
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030002 RF1 Mile Point: 0.000 Distance from RF1: 1.20 On/Off RF1:
RF3 Index: 07030002056200.00 RF3 Mile Point: 0.18 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/81-06/15/82	3	16.5	15.5	20.	10.	25.75	5.074	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/17/81-06/15/82	3	245.	245.333	249.	242.	12.333	3.512	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/81-06/15/82	3	148.	151.	161.	144.	79.	8.888	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/17/81-06/15/82	3	9.8	9.6	9.9	9.1	0.19	0.436	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/17/81-06/15/82	3	96.	100.333	113.	92.	124.333	11.15	**	**	**	**
00400	PH (STANDARD UNITS)	08/17/81-06/15/82	3	7.13	7.35	7.9	7.02	0.23	0.479	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/17/81-06/15/82	3	7.13	7.217	7.9	7.02	0.257	0.507	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/17/81-06/15/82	3	0.074	0.061	0.095	0.013	0.002	0.043	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/17/81-10/15/81	2	0.505	0.505	0.58	0.43	0.011	0.106	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/17/81-10/15/81	2	0.32	0.32	0.33	0.31	0.	0.014	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/17/81-10/15/81	2	0.055	0.055	0.07	0.04	0.	0.021	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/17/81-10/15/81	2	0.375	0.375	0.4	0.35	0.001	0.035	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/81-10/15/81	2	0.13	0.13	0.18	0.08	0.005	0.071	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/17/81-10/15/81	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/17/81-10/15/81	2	3.85	3.85	4.9	2.8	2.205	1.485	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/17/81-06/15/82	3	6.	16.667	39.	5.	374.333	19.348	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	08/17/81-06/15/82	3	0.778	1.023	1.591	0.699	0.244	0.494	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			10.537								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/17/81-06/15/82	3	140.	224.667	500.	34.	59665.333	244.265	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/17/81-06/15/82	3	2.146	2.126	2.699	1.531	0.341	0.584	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			133.514								
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	06/15/82-06/15/82	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	08/17/81-10/15/81	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	08/17/81-10/15/81	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	08/17/81-08/17/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.275	0.275	0.5	0.05	0.101	0.318	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/17/81-08/17/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/82-06/15/82	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	08/17/81-06/15/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/17/81-10/15/81	2	0.105	0.105	0.12	0.09	0.	0.021	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/17/81-10/15/81	2	2.25	2.25	2.6	1.9	0.245	0.495	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	08/17/81-08/17/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82183	2,4-DP (DICHLORPROP) TOTAL UG/L	08/17/81-10/15/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------8/15-11/30---------- Obs	Exceed	Prop.	----------12/01-2/29---------- Obs	Exceed	Prop.	----------3/01-4/14---------- Obs	Exceed	Prop.	----------4/15-8/14---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	2	0	0.00							1	0	0.00
00400	PH	Other-Hi Lim.	9.	3	0	0.00	2	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00							1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	0	0.00	2	0	0.00							1	0	0.00
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	2	0	0.00	2	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	2	0	0.00	2	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	2	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	2	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	2	0	0.00									
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	2	0	0.00	2	0	0.00									
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	2	0	0.00	2	0	0.00									
		Drinking Water	3.	2	0	0.00	2	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00									
		Drinking Water	0.4	2	0	0.00	2	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	2	0	0.00	2	0	0.00									
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	2	0	0.00	2	0	0.00									
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00	2	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0051

NPS Station ID: SACN0051
LAT/LON: 45.986115/ -91.591670
Agency: 21WIS
Date Created: 08/28/82
Location: NAMEKAGON RIV @ CTH E
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 663036 /8270AC663036/4110W353036
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 14
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002008
RF1 Mile Point: 2.200
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030001001602.26
RF3 Mile Point: 2.25
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 NAMEKAGON RIVER @ CTH E X-ING 2 MI WEST OF COUNTY LINE. BIOTIC INDEX SURVEY (NON-POINT) SAMPLING SITE 1980.

Parameter Inventory for Station: SACN0051

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0052

NPS Station ID: SACN0052
LAT/LON: 45.947059/ -91.632781
Agency: 21WITIS
Date Created: 09/24/88
Location: BASS LAKE
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 665013 /8270MA665013/4010W175013
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 16.60
On/Off RF1:
RF3 Index: 07030002021200.00
RF3 Mile Point: 1.05
Distance from RF3: 0.17
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/17/84-09/15/88	7	1.1	1.326	2.67	0.22	0.703	0.839	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/17/84-09/15/88	7	15.4	14.736	20.8	6.15	19.752	4.444	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/17/84-09/17/84	3	0.17	0.173	0.29	0.06	0.013	0.115	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	09/15/88-09/15/88	4	0.3	0.273	0.4	0.09	0.017	0.13	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/15/88-09/15/88	4	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0053

NPS Station ID: SACN0053
LAT/LON: 45.997226/ -91.634726
Agency: 21WIS
Date Created: 08/28/82
Location: CHIPPANAZIE CR @ USH 63
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 663038 /8270AC663038/4110W333038
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 6
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002017
RF1 Mile Point: 0.350
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030002000702.73
RF3 Mile Point: 8.25
Distance from RF3: 0.03
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 CHIPPANAZIE CREEK @ HWY 63 X-ING. BIOTIC INDEX SURVEY (NON-POINT) SAM PLING SITE 1980.

Parameter Inventory for Station: SACN0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0054

NPS Station ID: SACN0054 | LAT/LON: 45.951004/ -91.634837 | Agency: 21WIL | Date Created: 08/29/92
Location: BASS LAKE (4010W17) | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 664003 /8270AG664003/4010W174003
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 35 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 21.30 | On/Off RF1:
RF3 Index: 07030001023800.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.37 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/24/79-07/24/79	2	73.	73.	73.	73.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/24/79-07/24/79	2	2.5	2.5	3.1	1.9	0.72	0.849	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/24/79-07/24/79	2	108.	108.	108.	108.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/79-07/24/79	2	66.	66.	71.	61.	50.	7.071	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/24/79-07/24/79	2	8.3	8.3	8.5	8.1	0.08	0.283	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/24/79-07/24/79	2	7.2	7.2	7.3	7.1	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/79-07/24/79	2	7.189	7.189	7.3	7.1	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/79-07/24/79	2	0.065	0.065	0.079	0.05	0.	0.021	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/79-07/24/79	2	21.	21.	23.	19.	8.	2.828	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/24/79-07/24/79	2	0.685	0.685	0.79	0.58	0.022	0.148	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/24/79-07/24/79	2	0.53	0.53	0.68	0.38	0.045	0.212	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/24/79-07/24/79	2	0.125	0.125	0.18	0.07	0.006	0.078	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/24/79-07/24/79	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/24/79-07/24/79	2 ##	0.025	0.025	0.04	0.01	0.	0.021	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/79-07/24/79	2	0.021	0.021	0.03	0.012	0.	0.013	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/24/79-07/24/79	2	0.008	0.008	0.011	0.005	0.	0.004	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/79-07/24/79	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/79-07/24/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/24/79-07/24/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/24/79-07/24/79	2 ##	0.425	0.425	0.6	0.25	0.061	0.247	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/24/79-07/24/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/79-07/24/79	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/24/79-07/24/79	2	7.05	7.05	7.05	7.05	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/24/79-07/24/79	2 ##	0.12	0.12	0.2	0.04	0.013	0.113	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0054

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0054

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0055

NPS Station ID: SACN0055 | LAT/LON: 46.019170/ -91.664837 | Agency: 21WIL | Date Created: 08/29/92
Location: TRANUS LAKE | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 664030 /8270AG664030/4110W194030
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 12 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.50 | On/Off RF1:
RF3 Index: 07030002001906.68 | RF3 Mile Point: 16.50 | Distance from RF3: 0.10 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/15/79-07/15/79	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/15/79-07/15/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/15/79-07/15/79	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/15/79-07/15/79	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/79-07/15/79	1	112.	112.	112.	112.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/15/79-07/15/79	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/15/79-07/15/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/15/79-07/15/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/79-07/15/79	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/79-07/15/79	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/15/79-07/15/79	1	0.93	0.93	0.93	0.93	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/15/79-07/15/79	1	0.68	0.68	0.68	0.68	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/15/79-07/15/79	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/15/79-07/15/79	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/15/79-07/15/79	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/79-07/15/79	1	0.038	0.038	0.038	0.038	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/15/79-07/15/79	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/15/79-07/15/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/15/79-07/15/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/15/79-07/15/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/15/79-07/15/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/15/79-07/15/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/79-07/15/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/15/79-07/15/79	1	6.03	6.03	6.03	6.03	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/15/79-07/15/79	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0056

NPS Station ID: SACN0056
LAT/LON: 45.970837/ -91.683337
Agency: 21WIS
Date Created: 08/28/82
Location: HAY CR TWN RD 3/4 MI SOUTH OF F
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 663039 /8270AC663039/4011W113039
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 3
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030002001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 HAY CREEK @ N-S TWN RD X-ING 1.5 MI NORTH OF SPRINGBROOK. BIOTIC INDE
X SURVEY (NON-POINT) SAMPLING SITE 1980.

Parameter Inventory for Station: SACN0056

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: SACN0057

NPS Station ID: SACN0057
LAT/LON: 45.921838/ -91.692337
Agency: 21WITIS
Date Created: 12/10/94
Location: SPRING LAKE
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 665030 /8270MA665030/4011W265030
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0058

NPS Station ID: SACN0058
LAT/LON: 45.990504/ -91.746838
Agency: 21WITIS
Date Created: 12/10/94
Location: GULL LAKE
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 665028 /8270MA665028/4111W335028
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0058

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0059

NPS Station ID: SACN0059
Location: GULL LAKE
Station Type: /TYPA/AMBNT/LAKE
RMI-Indexes:
RMI-Miles:
HUC: 07030002
Major Basin:
Minor Basin:
RF1 Index: 07030002
RF3 Index: 07030001021400.00
Description:

LAT/LON: 45.989448/ -91.749726
Depth of Water: 16
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 12ELS1
FIPS State/County: 55129 WISCONSIN/WASHBURN
STORET Station ID(s): 2D2-016
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 4.80
Distance from RF3: 0.07

Date Created: 04/16/88
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: SACN0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/04/84-11/04/84	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/04/84-11/04/84	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	11/04/84-11/04/84	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/84-11/04/84	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	11/04/84-11/04/84	1	2.86	2.86	2.86	2.86	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/04/84-11/04/84	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/04/84-11/04/84	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/04/84-11/04/84	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/04/84-11/04/84	1	944.3	944.3	944.3	944.3	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/04/84-11/04/84	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/04/84-11/04/84	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/04/84-11/04/84	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	11/04/84-11/04/84	1	12.4	12.4	12.4	12.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/04/84-11/04/84	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/04/84-11/04/84	1	1.75	1.75	1.75	1.75	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/04/84-11/04/84	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/04/84-11/04/84	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/04/84-11/04/84	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/84-11/04/84	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/04/84-11/04/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/04/84-11/04/84	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/04/84-11/04/84	1	2.078	2.078	2.078	2.078	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/04/84-11/04/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	11/04/84-11/04/84	1	20.	20.	20.	20.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/04/84-11/04/84	1	1098.15	1098.15	1098.15	1098.15	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/04/84-11/04/84	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/04/84-11/04/84	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0059

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0059

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0060

NPS Station ID: SACN0060
LAT/LON: 45.915282/ -91.766670
Agency: 21WIS
Date Created: 08/28/82
Location: NAMEKAGON RIV PARK NORTH OF EARL
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 663037 /8270AC663037/4011W303037
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 14
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002007
RF1 Mile Point: 3.910
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030002000800.86
RF3 Mile Point: 5.09
Distance from RF3: 0.05
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 NAMEKAGON RIVER @ PARK & CAMPING AREA OFF TWN RD NORTH OF EARL. BIOTI C INDEX SURVEY (NON-POINT) SAMPLING SITE 1980.

Parameter Inventory for Station: SACN0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0061

NPS Station ID: SACN0061 LAT/LON: 45.990670/ -91.767503 Agency: 21WIL Date Created: 08/29/92
Location: GARDNER LAKE FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 664011 /8270AG664011/4111W324011
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030002 Depth of Water: 15 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030002 RF1 Mile Point: 0.000 Distance from RF1: 21.30 On/Off RF1:
RF3 Index: 07030001023800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.37 On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/26/79-07/26/79	1	74.	74.	74.	74.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/26/79-07/26/79	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/26/79-07/26/79	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/79-07/26/79	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/26/79-07/26/79	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/79-07/26/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/79-07/26/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/79-07/26/79	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/79-07/26/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/26/79-07/26/79	1	0.69	0.69	0.69	0.69	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/26/79-07/26/79	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/79-07/26/79	1	0.046	0.046	0.046	0.046	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/26/79-07/26/79	1	0.017	0.017	0.017	0.017	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/79-07/26/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/79-07/26/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/26/79-07/26/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/26/79-07/26/79	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/79-07/26/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/79-07/26/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/26/79-07/26/79	1	22.75	22.75	22.75	22.75	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/26/79-07/26/79	1	0.48	0.48	0.48	0.48	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0061

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0061

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0062

NPS Station ID: SACN0062
LAT/LON: 45.915949/ -91.780338
Agency: 21WIS
Date Created: 11/17/75
Location: NAMEKAGON R AT STH 63 AT EARL
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 663017 /8270AB663017/4011W
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030002007
RF1 Mile Point: 3.310
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030001001602.17
RF3 Mile Point: 2.17
Distance from RF3: 0.15
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0062

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0063

NPS Station ID: SACN0063
LAT/LON: 45.870837/ -91.797226
Agency: 21WIS
Date Created: 08/28/82
Location: POTATO CR 1 MI BELOW DILLY LAKE
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 663043 /8270AC663043/3912W123043
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 8
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002006
RF1 Mile Point: 4.660
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030002000609.22
RF3 Mile Point: 10.02
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 POTATO CREEK @ TWN RD X-ING 1 MI WEST OF DILLY LAKE. BIOTIC INDEX SUR VEY (NON-POINT) SAMPLING SITE 1980.

Parameter Inventory for Station: SACN0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0064

NPS Station ID: SACN0064
Location: (NO NAME)
Station Type: /TYPA/AMBNT/LAKE
RMI-Indexes:
RMI-Miles:
HUC: 07030002
Major Basin:
Minor Basin:
RF1 Index: 07030002
RF3 Index: 07030002003703.85
Description:

LAT/LON: 45.976949/ -91.830559
Depth of Water: 19
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 6.19

Agency: 12ELS1
FIPS State/County: 55129 WISCONSIN/WASHBURN
STORET Station ID(s): 2D2-017
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 34.20
Distance from RF3: 0.16

Date Created: 04/16/88
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: SACN0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/04/84-11/04/84	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/04/84-11/04/84	1	2.95	2.95	2.95	2.95	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	11/04/84-11/04/84	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/84-11/04/84	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	11/04/84-11/04/84	1	1.23	1.23	1.23	1.23	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/04/84-11/04/84	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/04/84-11/04/84	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/04/84-11/04/84	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/04/84-11/04/84	1	77.	77.	77.	77.	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/04/84-11/04/84	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/04/84-11/04/84	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/04/84-11/04/84	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	11/04/84-11/04/84	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/04/84-11/04/84	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/04/84-11/04/84	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/04/84-11/04/84	1	0.78	0.78	0.78	0.78	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/04/84-11/04/84	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/04/84-11/04/84	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/84-11/04/84	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/04/84-11/04/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/04/84-11/04/84	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/04/84-11/04/84	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/04/84-11/04/84	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	11/04/84-11/04/84	1	220.	220.	220.	220.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/04/84-11/04/84	1	1088.97	1088.97	1088.97	1088.97	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/04/84-11/04/84	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/04/84-11/04/84	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0064

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0064

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0065

NPS Station ID: SACN0065
LAT/LON: 46.256670/ -91.872226
Agency: 21WIS
Date Created: 12/28/94
Location: ST CROIX FLOWAGE FAR DAM
FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/LAKE/SOLIDS
STORET Station ID(s): 163299 /8270LA163299/4312W333299
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR TOM JANISCH OF MADISON (608)266-9268 FAR DAM 2 PONAR GRABS COMPOSITED METALS ONLY.
ORW EVALUATION. SANDBERG 05/04/94 WD-7 FT.

Parameter Inventory for Station: SACN0065

Parameter		Period of Record	Obs		Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00557	OIL & GREASE,SED,DRY WT,FREON EXTR-GRAV METH,MG/KG	05/04/94-05/04/94	1		2200.	2200.	2200.	2200.	0.	0.	**	**	**	**
00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	05/04/94-05/04/94	1		28.	28.	28.	28.	0.	0.	**	**	**	**
00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	05/04/94-05/04/94	1		6500.	6500.	6500.	6500.	0.	0.	**	**	**	**
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	05/04/94-05/04/94	1		340.	340.	340.	340.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/04/94-05/04/94	1		5.56	5.56	5.56	5.56	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/04/94-05/04/94	1	##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/04/94-05/04/94	1		0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/04/94-05/04/94	1		16.	16.	16.	16.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/04/94-05/04/94	1		8.	8.	8.	8.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/04/94-05/04/94	1		11.	11.	11.	11.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/04/94-05/04/94	1		1.13	1.13	1.13	1.13	0.	0.	**	**	**	**
61509	ZINC SLUDGE SOLID FRACTN,DRY WT,MG/KG	05/04/94-05/04/94	1		29.	29.	29.	29.	0.	0.	**	**	**	**
61515	NICKEL SLUDGE SOLID FRACTN,DRY WT,MG/KG	05/04/94-05/04/94	1		5.	5.	5.	5.	0.	0.	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	05/04/94-05/04/94	1		75.	75.	75.	75.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0066

NPS Station ID: SACN0066
LAT/LON: 45.950337/ -91.880670
Agency: 21WITIS
Date Created: 11/14/92
Location: TREGO LAKE
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 665025 /8270MA665025/4012W175025
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07050001089500.00
RF3 Mile Point: 1.29
Distance from RF3: 0.13
On/Off RF3:
Description:
STATION FOR JIM AMRHEIN OF MADISON (608)266-5325 FISH CONTAMINANT MONITORING PROGRAM

Parameter Inventory for Station: SACN0066

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0067

NPS Station ID: SACN0067
LAT/LON: 45.950004/ -91.883337
Agency: 112WRD
Date Created: 02/20/76
Location: NAMEKAGON RIVER AT TREGO, WI
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05332000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030002005
RF1 Mile Point: 7.110
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030001150603.33
RF3 Mile Point: 6.68
Distance from RF3: 0.15
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/76-04/01/76	2	1.	1.	2.	0.	2.	1.414	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/05/76-04/01/76	2	950.	950.	1500.	400.	605000.	777.817	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/05/76-04/01/76	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/05/76-04/01/76	2	31.5	31.5	55.	8.	1104.5	33.234	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/01/76-04/01/76	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/05/76-04/01/76	2	11.	11.	13.1	8.9	8.82	2.97	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/05/76-04/01/76	2	81.5	81.5	99.	64.	612.5	24.749	**	**	**	**
00400	PH (STANDARD UNITS)	02/05/76-04/01/76	2	7.35	7.35	7.6	7.1	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/05/76-04/01/76	2	7.282	7.282	7.6	7.1	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/76-04/01/76	2	0.052	0.052	0.079	0.025	0.001	0.038	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	02/05/76-04/01/76	2	4.7	4.7	5.6	3.8	1.62	1.273	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/76-04/01/76	2	56.5	56.5	77.	36.	840.5	28.991	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/05/76-04/01/76	2	69.	69.	94.	44.	1250.	35.355	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/05/76-04/01/76	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	02/05/76-04/01/76	2	0.72	0.72	0.88	0.56	0.051	0.226	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/05/76-04/01/76	2	0.355	0.355	0.56	0.15	0.084	0.29	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/05/76-04/01/76	2	0.04	0.04	0.06	0.02	0.001	0.028	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/05/76-04/01/76	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/05/76-04/01/76	2	0.32	0.32	0.35	0.29	0.002	0.042	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/76-04/01/76	2	0.395	0.395	0.58	0.21	0.068	0.262	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/05/76-04/01/76	2	0.325	0.325	0.35	0.3	0.001	0.035	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/76-04/01/76	2	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	02/05/76-04/01/76	2	0.03	0.03	0.04	0.02	0.	0.014	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/05/76-04/01/76	2	6.75	6.75	10.	3.5	21.125	4.596	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/05/76-04/01/76	2	55.	55.	70.	40.	450.	21.213	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/05/76-04/01/76	2	2.	2.	4.	0.	8.	2.828	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/05/76-04/01/76	2	14.5	14.5	18.	11.	24.5	4.95	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/05/76-04/01/76	2	4.55	4.55	6.	3.1	4.205	2.051	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/05/76-04/01/76	2	2.1	2.1	2.7	1.5	0.72	0.849	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/05/76-04/01/76	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	02/05/76-04/01/76	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/05/76-04/01/76	2	0.65	0.65	0.7	0.6	0.005	0.071	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/05/76-04/01/76	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/76-04/01/76	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/05/76-04/01/76	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/05/76-04/01/76	2	13.5	13.5	17.	10.	24.5	4.95	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	02/05/76-04/01/76	2	175.	175.	210.	140.	2450.	49.497	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/76-04/01/76	2	40.	40.	50.	30.	200.	14.142	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/05/76-04/01/76	2	4.5	4.5	7.	2.	12.5	3.536	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/05/76-04/01/76	2	0.573	0.573	0.845	0.301	0.148	0.385	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.742								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	02/05/76-04/01/76	2	134.5	134.5	260.	9.	31500.5	177.484	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	02/05/76-04/01/76	2	1.685	1.685	2.415	0.954	1.067	1.033	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			48.374								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/05/76-04/01/76	2	91.	91.	108.	74.	578.	24.042	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/05/76-04/01/76	2	76.	76.	97.	55.	882.	29.698	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/05/76-04/01/76	2	208.5	208.5	300.	117.	16744.5	129.401	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/05/76-04/01/76	2	0.125	0.125	0.15	0.1	0.001	0.035	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/05/76-04/01/76	2	3.2	3.2	3.9	2.5	0.98	0.99	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	02/05/76-02/05/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	04/01/62-02/05/76	2	1990.55	1990.55	3980.	1.1	7915822.605	2813.507	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0067

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	0	0.00				1	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00				1	0	0.00	1	0	0.00			
00400	PH	Other-Hi Lim.	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00				1	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00				1	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00				1	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00				1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00				1	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00				1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0068

NPS Station ID: SACN0068
LAT/LON: 45.948059/ -91.888059
Agency: 112WRD
Date Created: / /
Location: NAMEKAGON RIVER NEAR TREGO, WI
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05332500
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07050001143100.19
RF3 Mile Point: 0.18
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/68-08/26/85	29	8.	9.852	24.5	0.	77.625	8.811	0.	1.5	19.75	22.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/22/83-08/22/83	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/22/83-08/26/85	2	743.5	743.5	749.	738.	60.5	7.778	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	11/05/66-06/06/68	3	640.	534.333	717.	246.	63834.333	252.655	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	28	401.5	488.107	1500.	240.	69030.396	262.736	251.7	320.	615.75	699.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/20/75-03/30/78	11	2.	1.636	3.	0.	0.855	0.924	0.2	1.	2.	3.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/22/78-10/14/80	9	2.	1.789	4.	0.4	1.419	1.191	0.4	0.6	2.5	4.
00080	COLOR (PLATINUM-COBALT UNITS)	10/20/75-10/14/80	20	15.	25.6	90.	2.	617.937	24.858	4.1	5.75	45.	68.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/14/80-10/14/80	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/68-08/26/85	28	154.	154.857	240.	95.	912.423	30.206	124.	132.25	170.	197.
00300	OXYGEN, DISSOLVED MG/L	02/05/76-08/26/85	27	9.5	9.696	13.1	6.7	3.512	1.874	7.	8.3	11.4	12.3
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/05/76-08/24/82	24	87.	85.	102.	60.	154.783	12.441	64.	80.25	92.	101.5
00400	PH (STANDARD UNITS)	06/06/68-08/26/85	27	7.5	7.466	8.2	6.84	0.154	0.392	6.882	7.16	7.7	8.02
00400	CONVERTED PH (STANDARD UNITS)	06/06/68-08/26/85	27	7.5	7.307	8.2	6.84	0.18	0.424	6.882	7.16	7.7	8.02
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/68-08/26/85	27	0.032	0.049	0.145	0.006	0.002	0.042	0.01	0.02	0.069	0.131
00403	PH, LAB, STANDARD UNITS SU	10/14/80-08/26/85	9	7.7	7.678	7.9	7.6	0.009	0.097	7.6	7.6	7.7	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	10/14/80-08/26/85	9	7.7	7.669	7.9	7.6	0.01	0.098	7.6	7.6	7.7	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/14/80-08/26/85	9	0.02	0.021	0.025	0.013	0.	0.004	0.013	0.02	0.025	0.025
00405	CARBON DIOXIDE (MG/L AS CO2)	10/20/75-08/17/81	17	4.1	7.176	20.	1.	38.291	6.188	1.16	2.3	11.25	17.6
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/68-07/07/80	20	72.	67.35	86.	36.	220.239	14.84	40.3	58.25	79.5	81.9
00440	BICARBONATE ION (MG/L AS HCO3)	06/06/68-03/30/78	12	88.	82.333	105.	44.	364.061	19.08	46.7	71.25	97.75	103.2
00445	CARBONATE ION (MG/L AS CO3)	06/06/68-03/30/78	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00600	NITROGEN, TOTAL (MG/L AS N)	10/20/75-04/07/82	23	0.56	0.562	1.4	0.22	0.065	0.255	0.27	0.4	0.62	0.876
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	24	0.25	0.298	0.73	0.08	0.028	0.168	0.09	0.213	0.37	0.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	27	0.05	0.051	0.14	0.005	0.001	0.034	0.009	0.02	0.06	0.104
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	27	0.005	0.007	0.03	0.	0.	0.006	0.	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/20/75-04/07/82	20	0.215	0.208	0.64	0.	0.029	0.171	0.01	0.03	0.343	0.422
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	27	0.31	0.356	0.78	0.13	0.027	0.164	0.172	0.25	0.41	0.614
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	27	0.17	0.193	0.65	0.01	0.026	0.16	0.02	0.05	0.33	0.376
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/79-04/16/79	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	28	0.03	0.034	0.1	0.01	0.	0.017	0.02	0.02	0.04	0.051
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	26	0.02	0.046	0.72	0.005	0.019	0.138	0.005	0.01	0.02	0.055
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/05/76-08/26/85	14	5.15	5.443	10.	2.3	6.203	2.491	2.45	3.225	7.775	9.45
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/20/75-08/22/83	8	0.	0.002	0.005	0.	0.	0.003	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/06/68-04/11/83	27	70.	70.074	91.	40.	164.071	12.809	51.4	59.	79.	87.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/06/68-02/24/81	22	4.5	5.136	12.	0.	18.028	4.246	0.	0.75	9.25	11.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/68-08/26/85	29	19.	19.103	25.	11.	11.739	3.426	14.	16.5	21.	24.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/68-08/26/85	29	5.8	5.445	7.2	3.	1.115	1.056	4.	4.65	6.1	6.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	28	2.65	2.571	3.	1.5	0.111	0.333	2.1	2.325	2.8	2.91
00931	SODIUM ADSORPTION RATIO	10/20/75-04/11/83	26	0.1	0.112	0.2	0.1	0.001	0.033	0.1	0.1	0.1	0.2
00932	SODIUM, PERCENT	10/20/75-04/11/83	26	7.	7.308	9.	6.	0.622	0.788	6.	7.	8.	8.3
00933	SODIUM,PLUS POTASSIUM (MG/L)	02/20/80-02/20/80	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	28	0.8	0.807	2.3	0.5	0.111	0.333	0.59	0.6	0.9	1.02
00940	CHLORIDE,TOTAL IN WATER MG/L	06/06/68-08/26/85	29	3.	2.524	4.	0.2	0.581	0.762	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/68-08/26/85	29	4.	4.724	10.	3.	2.707	1.645	3.	4.	5.	7.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	28	0.1	0.091	0.2	0.05	0.001	0.039	0.05	0.05	0.1	0.11
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	28	13.	13.821	19.	10.	5.411	2.326	11.	13.	15.	18.
01002	ARSENIC, TOTAL (UG/L AS AS)	10/20/75-08/22/83	9	1.	1.167	2.	0.5	0.25	0.5	0.5	1.	1.5	2.
01007	BARIUM, TOTAL (UG/L AS BA)	08/22/78-08/22/83	4 ##	50.	62.5	100.	50.	625.	25.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/07/80-07/07/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	10/20/75-08/22/83	8	25.	27.5	60.	10.	335.714	18.323	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/20/75-08/22/83	9	0.5	0.833	2.	0.	0.875	0.935	0.	0.	2.	2.
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/20/75-08/22/83	9 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
01037	COBALT, TOTAL (UG/L AS CO)	10/20/75-08/22/83	9	1.	1.167	3.	0.	1.	1.	0.	0.25	2.	3.
01042	COPPER, TOTAL (UG/L AS CU)	10/20/75-08/22/83	8	3.	4.625	17.	0.	28.839	5.37	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/20/75-08/22/83	8	305.	370.	640.	120.	39400.	198.494	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/20/75-08/26/85	12	145.	152.083	360.	5.	11733.902	108.323	15.5	47.5	205.	345.
01051	LEAD, TOTAL (UG/L AS PB)	10/20/75-08/22/83	9	4.	9.667	32.	0.	135.	11.619	0.	1.5	19.	32.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/68-08/22/83	9	70.	72.222	120.	30.	744.444	27.285	30.	50.	90.	120.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/20/75-08/26/85	12	30.	29.417	50.	5.	217.72	14.755	5.	20.75	40.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	10/20/75-08/22/83	9	2.	5.111	17.	0.	33.861	5.819	0.	1.	9.	17.
01077	SILVER, TOTAL (UG/L AS AG)	10/20/75-08/22/83	8 ##	0.	0.188	0.5	0.	0.067	0.259	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/20/75-08/22/83	9	10.	13.333	40.	0.	150.	12.247	0.	5.	20.	40.
01147	SELENIUM, TOTAL (UG/L AS SE)	10/20/75-08/22/83	9 ##	0.5	0.444	0.5	0.	0.028	0.167	0.	0.5	0.5	0.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/75-07/19/76	4	2.5	3.5	7.	2.	5.667	2.38	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/75-07/19/76	4	0.389	0.481	0.845	0.301	0.066	0.256	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.027								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	24	6.	9.896	41.	0.5	95.608	9.778	1.5	2.25	15.	24.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	24	0.778	0.777	1.613	-0.301	0.231	0.481	0.151	0.345	1.176	1.38
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			5.991								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	24	36.	132.042	890.	6.	43564.303	208.721	7.	13.5	212.	420.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	24	1.556	1.664	2.949	0.778	0.422	0.649	0.845	1.129	2.296	2.622
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			46.164								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/20/75-07/19/76	4	28.5	81.	260.	7.	14596.667	120.817	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/20/75-07/19/76	4	1.318	1.474	2.415	0.845	0.531	0.729	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			29.778								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/68-08/26/85	29	101.	100.793	132.	74.	166.813	12.916	80.	95.5	108.5	115.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/20/75-04/11/83	26	90.	88.846	114.	55.	212.855	14.59	67.3	79.5	99.25	105.5
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/06/68-08/24/82	26	114.	125.135	300.	64.5	2648.566	51.464	76.91	90.75	141.25	195.6
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/06/68-08/24/82	26	0.14	0.137	0.18	0.1	0.	0.019	0.107	0.128	0.15	0.16
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/19/76-08/22/83	23	84.	83.87	100.	57.	270.573	16.449	58.8	63.	100.	100.
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/16/79-10/14/80	6	0.065	0.055	0.07	0.02	0.	0.021	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/06/68-06/06/68	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	06/06/68-06/06/68	1	350.	350.	350.	350.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/16/79-08/26/85	14	0.09	0.114	0.31	0.06	0.004	0.067	0.06	0.06	0.128	0.245
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/20/75-04/07/82	23	2.5	2.5	6.3	1.	1.322	1.15	1.2	1.8	2.7	3.9
71900	MERCURY, TOTAL (UG/L AS HG)	10/20/75-08/22/83	9 ##	0.25	0.261	0.5	0.05	0.024	0.154	0.05	0.15	0.375	0.5
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	27	3.	3.778	29.	1.	28.103	5.301	1.	1.	4.	5.4
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	24	3.1	3.947	19.	0.86	15.05	3.879	0.93	1.275	5.225	7.9
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/24/81-08/17/81	3	0.6	0.567	0.7	0.4	0.023	0.153	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	11	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	27	0	0.00	10	0	0.00	6	0	0.00	7	0	0.00	4	0	0.00
00400	PH	Other-Hi Lim.	9.	27	0	0.00	11	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00
		Other-Lo Lim.	6.5	27	0	0.00	11	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	9	0	0.00	5	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	5	0	0.00	1	0	0.00	3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	27	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	20	0	0.00	7	0	0.00	5	0	0.00	5	0	0.00	3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	27	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	3	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	8	0	0.00	6	0	0.00							2	0	0.00
		Drinking Water	0.2	8	0	0.00	6	0	0.00							2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	29	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	5	0	0.00
		Drinking Water	250.	29	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	5	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	29	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	5	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	28	0	0.00	11	0	0.00	6	0	0.00	7	0	0.00	4	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	50.	9	0	0.00	6	0	0.00							3	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	4	0	0.00	4	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00										1	0	0.00
		Drinking Water	4.	1	0	0.00										1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	5.	9	0	0.00	6	0	0.00							3	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	6	0	0.00							3	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	8	0	0.00	6	0	0.00							2	0	0.00
		Drinking Water	1300.	8	0	0.00	6	0	0.00							2	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	15.	9	2	0.22	6	2	0.33							3	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	100.	9	0	0.00	6	0	0.00							3	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	6	0	0.00							2	0	0.00
		Drinking Water	100.	8	0	0.00	6	0	0.00							2	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	5000.	9	0	0.00	6	0	0.00							3	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	50.	9	0	0.00	6	0	0.00							3	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	24	0	0.00	10	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00										1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	2.	9	0	0.00	6	0	0.00							3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/68-08/26/85	11	17.4	15.809	22.5	8.	34.081	5.838	8.1	9.	22.	22.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	11	403.	430.	629.	252.	14427.	120.112	258.2	353.	503.	625.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/68-08/26/85	11	152.	152.091	195.	125.	430.891	20.758	126.4	132.	170.	190.
00300	OXYGEN, DISSOLVED MG/L	02/05/76-08/26/85	10	8.65	8.7	10.2	6.7	1.918	1.385	6.73	7.225	10.125	10.2
00400	PH (STANDARD UNITS)	06/06/68-08/26/85	11	7.7	7.606	8.2	6.95	0.143	0.378	6.97	7.3	7.9	8.154
00400	CONVERTED PH (STANDARD UNITS)	06/06/68-08/26/85	11	7.7	7.449	8.2	6.95	0.17	0.413	6.97	7.3	7.9	8.154
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/68-08/26/85	11	0.02	0.036	0.112	0.006	0.001	0.035	0.007	0.013	0.05	0.108
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	9	0.24	0.336	0.73	0.22	0.031	0.176	0.22	0.22	0.45	0.73
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	11	0.03	0.032	0.09	0.005	0.001	0.025	0.006	0.01	0.05	0.084
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	11 ##	0.005	0.008	0.03	0.	0.	0.008	0.001	0.005	0.01	0.026
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	11	0.3	0.379	0.75	0.22	0.029	0.169	0.224	0.25	0.5	0.704
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	11	0.06	0.074	0.17	0.02	0.002	0.046	0.02	0.05	0.11	0.16
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	11	0.03	0.034	0.06	0.02	0.	0.013	0.02	0.02	0.04	0.058
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	11	0.02	0.08	0.72	0.005	0.045	0.212	0.006	0.01	0.02	0.584
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/68-08/26/85	11	20.	19.909	24.	15.	6.691	2.587	15.4	18.	21.	23.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/68-08/26/85	11	5.9	5.827	7.2	4.3	0.6	0.775	4.44	5.5	6.2	7.1
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	11	2.7	2.664	2.9	2.2	0.055	0.234	2.22	2.6	2.9	2.9
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	11	0.8	0.727	0.9	0.5	0.022	0.149	0.52	0.6	0.9	0.9
00940	CHLORIDE,TOTAL IN WATER MG/L	06/06/68-08/26/85	11	3.	2.818	3.	2.	0.164	0.405	2.	3.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/68-08/26/85	11	5.	4.818	9.	3.	2.764	1.662	3.	4.	5.	8.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	11	0.1	0.105	0.2	0.05	0.003	0.052	0.05	0.05	0.1	0.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	11	13.	13.545	15.	13.	0.673	0.82	13.	13.	14.	15.
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	10	5.5	9.95	41.	0.5	142.581	11.941	0.65	3.5	11.25	38.7
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	10	0.739	0.755	1.613	-0.301	0.269	0.518	-0.241	0.527	1.03	1.577
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			5.695								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	10	83.	198.9	890.	6.	72508.544	269.274	6.9	29.25	277.5	834.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	10	1.912	1.917	2.949	0.778	0.448	0.669	0.818	1.443	2.441	2.906
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			82.605								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/68-08/26/85	11	107.	108.636	132.	90.	127.255	11.281	91.8	101.	115.	129.8
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/06/68-08/24/82	9	114.	117.	172.	78.2	865.86	29.425	78.2	93.4	137.	172.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/06/68-08/24/82	9	0.15	0.148	0.18	0.12	0.	0.016	0.12	0.14	0.155	0.18
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/19/76-08/22/83	9	96.	84.778	100.	57.	293.694	17.138	57.	67.5	99.5	100.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	11	3.	3.091	5.	1.	2.091	1.446	1.	2.	4.	5.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	9	3.4	3.189	6.8	1.	3.311	1.82	1.	1.55	4.1	6.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/68-08/26/85	6	0.25	0.383	1.	0.	0.202	0.449	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	6	320.	326.333	400.	240.	3264.667	57.137	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/68-08/26/85	5	182.	194.4	240.	165.	1029.3	32.083	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/05/76-08/26/85	6	9.15	9.433	11.6	8.3	1.287	1.134	**	**	**	**
00400	PH (STANDARD UNITS)	06/06/68-08/26/85	5	7.2	7.146	7.6	6.84	0.093	0.305	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/06/68-08/26/85	5	7.2	7.071	7.6	6.84	0.1	0.316	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/68-08/26/85	5	0.063	0.085	0.145	0.025	0.003	0.05	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	6	0.145	0.157	0.26	0.08	0.005	0.068	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	6	0.06	0.07	0.12	0.05	0.001	0.027	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	6 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	6	0.235	0.227	0.31	0.13	0.004	0.066	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	6	0.35	0.335	0.36	0.26	0.001	0.038	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	6	0.025	0.028	0.05	0.01	0.	0.015	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	6	0.02	0.02	0.04	0.01	0.	0.011	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/68-08/26/85	6	22.5	21.833	25.	18.	7.767	2.787	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/68-08/26/85	6	6.15	5.783	7.	3.	2.014	1.419	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	6	2.8	2.817	3.	2.6	0.03	0.172	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	6	0.8	1.017	2.3	0.7	0.398	0.631	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/06/68-08/26/85	6	3.	3.	4.	2.	0.4	0.632	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/68-08/26/85	6	4.	4.167	6.	3.	0.967	0.983	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	6	0.1	0.092	0.1	0.05	0.	0.02	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	6	18.	17.5	19.	15.	1.9	1.378	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	5	15.	13.	19.	6.	25.5	5.05	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	5	1.176	1.082	1.279	0.778	0.039	0.197	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			12.073								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	5	13.	14.2	22.	7.	31.7	5.63	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	5	1.114	1.122	1.342	0.845	0.035	0.186	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			13.25								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/68-08/26/85	6	107.5	106.333	114.	98.	31.467	5.61	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/06/68-08/24/82	6	93.3	93.35	117.	73.9	219.807	14.826	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/06/68-08/24/82	6	0.15	0.147	0.16	0.13	0.	0.01	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/19/76-08/22/83	4	81.5	81.25	100.	62.	242.25	15.564	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	6	1.5	6.333	29.	1.	124.667	11.165	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	6	1.35	4.587	19.	0.86	51.367	7.167	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/68-08/26/85	7	2.5	3.143	5.	1.5	2.643	1.626	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	7	617.	723.286	1500.	437.	123277.571	351.109	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/68-08/26/85	7	134.	136.429	170.	95.	548.286	23.416	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/05/76-08/26/85	7	12.	11.914	13.1	10.6	0.728	0.853	**	**	**	**
00400	PH (STANDARD UNITS)	06/06/68-08/26/85	6	7.405	7.418	8.	6.85	0.19	0.436	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/06/68-08/26/85	6	7.363	7.253	8.	6.85	0.223	0.472	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/68-08/26/85	6	0.043	0.056	0.141	0.01	0.002	0.05	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	6	0.325	0.362	0.64	0.08	0.043	0.207	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	7	0.06	0.065	0.14	0.005	0.002	0.046	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	7	0.005	0.006	0.01	0.	0.	0.004	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	7	0.37	0.417	0.78	0.14	0.043	0.207	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	7	0.25	0.306	0.65	0.1	0.034	0.185	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	7	0.03	0.04	0.1	0.02	0.001	0.028	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	6	0.01	0.023	0.09	0.005	0.001	0.033	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/68-08/26/85	7	16.	15.714	19.	11.	6.905	2.628	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/68-08/26/85	7	4.6	4.6	5.6	3.1	0.72	0.849	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	7	2.3	2.257	2.7	1.5	0.146	0.382	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	7	0.7	0.814	1.2	0.6	0.051	0.227	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/06/68-08/26/85	7	2.	2.286	3.	2.	0.238	0.488	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/68-08/26/85	7	5.	5.143	10.	3.	5.143	2.268	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	7	0.1	0.079	0.1	0.05	0.001	0.027	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	7	12.	11.857	14.	10.	1.81	1.345	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	6	2.5	7.167	23.	1.	76.567	8.75	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	6	0.389	0.587	1.362	0.	0.273	0.522	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			3.861								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	6	42.	106.333	450.	7.	29314.667	171.215	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	6	1.589	1.596	2.653	0.845	0.455	0.675	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			39.437								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/68-08/26/85	7	91.	87.857	101.	74.	120.81	10.991	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/06/68-08/24/82	6	138.5	165.333	300.	114.	4652.667	68.21	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/06/68-08/24/82	6	0.115	0.117	0.14	0.1	0.	0.016	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/19/76-08/22/83	6	100.	92.167	100.	60.	256.167	16.005	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	6	1.5	2.333	5.	1.	3.067	1.751	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	5	3.3	4.34	9.	1.2	11.573	3.402	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/68-08/26/85	5	21.	17.5	24.5	4.	70.	8.367	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/20/75-08/26/85	4	328.5	479.	1010.	249.	127300.667	356.792	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/68-08/26/85	5	156.	147.2	175.	115.	586.7	24.222	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/05/76-08/26/85	4	7.95	8.7	11.9	7.	4.833	2.198	**	**	**	**
00400	PH (STANDARD UNITS)	06/06/68-08/26/85	5	7.5	7.532	8.1	7.16	0.12	0.347	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/06/68-08/26/85	5	7.5	7.443	8.1	7.16	0.13	0.361	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/68-08/26/85	5	0.032	0.036	0.069	0.008	0.	0.022	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/75-08/24/82	3	0.33	0.34	0.38	0.31	0.001	0.036	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/75-08/26/85	3	0.05	0.047	0.06	0.03	0.	0.015	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/20/75-08/26/85	3	0.005	0.005	0.01	0.	0.	0.005	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/20/75-08/26/85	3	0.39	0.387	0.41	0.36	0.001	0.025	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/75-08/26/85	3	0.02	0.08	0.21	0.01	0.013	0.113	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/75-08/26/85	4	0.035	0.033	0.04	0.02	0.	0.01	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/75-08/26/85	3	0.02	0.02	0.03	0.01	0.	0.01	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/68-08/26/85	5	21.	18.8	21.	13.	12.2	3.493	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/68-08/26/85	5	5.8	5.38	6.4	4.	0.882	0.939	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/20/75-08/26/85	4	2.55	2.5	2.8	2.1	0.087	0.294	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/20/75-08/26/85	4	0.7	0.7	0.9	0.5	0.033	0.183	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/06/68-08/26/85	5	2.	1.64	3.	0.2	1.148	1.071	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/68-08/26/85	5	4.	4.6	7.	3.	2.3	1.517	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/20/75-08/26/85	4 ##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/20/75-08/26/85	4	13.	12.5	13.	11.	1.	1.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	3	3.	10.	25.	2.	169.	13.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/04/76-08/26/85	3	0.477	0.725	1.398	0.301	0.347	0.589	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			5.313								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	3	66.	157.	390.	15.	41367.	203.389	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/04/76-08/26/85	3	1.82	1.862	2.591	1.176	0.502	0.708	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			72.817								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/68-08/26/85	5	96.	95.	103.	80.	79.	8.888	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/06/68-08/24/82	5	96.7	129.68	218.	64.5	4617.217	67.95	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/06/68-08/24/82	5	0.13	0.13	0.14	0.11	0.	0.012	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/19/76-08/22/83	4	73.	72.	84.	58.	194.667	13.952	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/20/75-08/26/85	4	3.5	4.	7.	2.	4.667	2.16	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/20/75-08/24/82	4	4.2	4.2	5.7	2.7	2.627	1.621	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0069

NPS Station ID: SACN0069
LAT/LON: 45.821170/ -91.891338
Agency: 21WIS
Date Created: 11/17/75
Location: YELLOW R AT STH 53-63 SPOONER
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 663019 /8270AB663019
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030001019
RF1 Mile Point: 40.670
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030001165000.00
RF3 Mile Point: 38.33
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0069

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0070

NPS Station ID: SACN0070 | LAT/LON: 46.237170/ -91.893671 | Agency: 21WIL | Date Created: 08/29/92
Location: SPIDER LAKE | FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 164012 /8270AG164012/4312W054012
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 15 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 1.50 | On/Off RF1:
RF3 Index: 07030001019800.00 | RF3 Mile Point: 0.40 | Distance from RF3: 0.15 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/19/79-07/19/79	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/79-07/19/79	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	1	0.019	0.019	0.019	0.019	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	1	0.019	0.019	0.019	0.019	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0070

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0070

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0071

NPS Station ID: SACN0071 | LAT/LON: 46.237170/ -91.893671 | Agency: 21WIL | Date Created: 08/29/92
Location: WEBB LAKE | FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 164015 /8270AG164015/4312W054015
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 25 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030001146803.69 | RF3 Mile Point: 3.69 | Distance from RF3: 0.04 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	2	65.	65.	65.	65.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	2	1.85	1.85	2.2	1.5	0.245	0.495	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	2	126.	126.	126.	126.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	2	52.5	52.5	53.	52.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	2	6.	6.	9.3	2.7	21.78	4.667	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	2	7.1	7.1	7.2	7.	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/19/79-07/19/79	2	7.089	7.089	7.2	7.	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/79-07/19/79	2	0.082	0.082	0.1	0.063	0.001	0.026	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	2	16.	16.	17.	15.	2.	1.414	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	2	0.375	0.375	0.41	0.34	0.002	0.049	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	2	0.3	0.3	0.32	0.28	0.001	0.028	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	2 ##	0.063	0.063	0.11	0.015	0.005	0.067	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	2 ##	0.475	0.475	0.7	0.25	0.101	0.318	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	2 ##	57.5	57.5	100.	15.	3612.5	60.104	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	2	3.99	3.99	3.99	3.99	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	2	0.335	0.335	0.43	0.24	0.018	0.134	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0072

NPS Station ID: SACN0072 | LAT/LON: 45.822170/ -91.898171 | Agency: 21WIL | Date Created: 08/29/92
Location: YELLOW RIVER FLOWAGE | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 664035 /8270AG664035/3912W314035
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 17 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 14.40 | On/Off RF1:
RF3 Index: 07030002054800.00 | RF3 Mile Point: 11.32 | Distance from RF3: 0.24 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/26/79-07/26/79	2	68.	68.	68.	68.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/26/79-07/26/79	2	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/26/79-07/26/79	2	5.6	5.6	7.2	4.	5.12	2.263	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/26/79-07/26/79	2	96.	96.	96.	96.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/79-07/26/79	2	181.5	181.5	185.	178.	24.5	4.95	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/26/79-07/26/79	2	7.1	7.1	8.	6.2	1.62	1.273	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/79-07/26/79	2	7.7	7.7	7.9	7.5	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/79-07/26/79	2	7.655	7.655	7.9	7.5	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/79-07/26/79	2	0.022	0.022	0.032	0.013	0.	0.013	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/79-07/26/79	2	63.5	63.5	70.	57.	84.5	9.192	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/26/79-07/26/79	2	0.465	0.465	0.49	0.44	0.001	0.035	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/26/79-07/26/79	2	0.41	0.41	0.43	0.39	0.001	0.028	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	2 ##	0.023	0.023	0.03	0.015	0.	0.011	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/79-07/26/79	2	0.048	0.048	0.06	0.036	0.	0.017	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/26/79-07/26/79	2	0.021	0.021	0.032	0.01	0.	0.016	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/79-07/26/79	2	21.	21.	23.	19.	8.	2.828	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/79-07/26/79	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/26/79-07/26/79	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/26/79-07/26/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/79-07/26/79	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/79-07/26/79	2 ##	22.5	22.5	30.	15.	112.5	10.607	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/26/79-07/26/79	2	5.91	5.91	5.91	5.91	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/26/79-07/26/79	2	0.255	0.255	0.31	0.2	0.006	0.078	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00										2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0073

NPS Station ID: SACN0073
LAT/LON: 45.820337/ -91.898171
Agency: 21WIS
Date Created: 11/17/75
Location: YELLOW RIVER AT HATCHERY ROAD
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 663020 /8270AB663020
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030001019
RF1 Mile Point: 40.250
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030001001602.24
RF3 Mile Point: 2.24
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0073

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0074

NPS Station ID: SACN0074 | LAT/LON: 45.906837/ -91.899671 | Agency: 21WIL | Date Created: 08/29/92
Location: LINCOLN LAKE | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 664015 /8270AG664015/4012W314015
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 27 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 7.00 | On/Off RF1:
RF3 Index: 07030002027300.00 | RF3 Mile Point: 0.99 | Distance from RF3: 0.20 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/19/79-07/19/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/79-07/19/79	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.89	0.89	0.89	0.89	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	1	0.026	0.026	0.026	0.026	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	1	0.021	0.021	0.021	0.021	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	1	110.	110.	110.	110.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	1	5.54	5.54	5.54	5.54	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	1	1.92	1.92	1.92	1.92	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0075

NPS Station ID: SACN0075
LAT/LON: 46.269170/ -91.904170
Agency: 21WIS
Date Created: 05/20/95
Location: SPRING CREEK
FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 163378 /8270AA163378/4412W293378
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR CRAIG ROESLER OF SPOONER (715)635-4077 SPRING CREEK JUST ABOVE ENTRANCE TO ST CROIX FLOWAGE.
SAMPLING FOR PRIORITY WATERSHED APPRAISAL MONITORING.

Parameter Inventory for Station: SACN0075

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0076

NPS Station ID: SACN0076
LAT/LON: 45.892171/ -91.912005
Agency: 21WIS
Date Created: / /
Location: COUDERAY R AT CTH N NR RESERVE
FIPS State/County: 55113 WISCONSIN/SAWYER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 583010 /8261AB583010/3908W08
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISSISSIPPI
ECO Region:
RF1 Index: 07030001019
RF1 Mile Point: 39.910
Distance from RF1: 6.50
On/Off RF1: OFF
RF3 Index: 07050001143000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
COUDERAY RIVER AT CTH N BELOW LITTLE COURT OREILLES LAKE

Parameter Inventory for Station: SACN0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/75-10/27/75	3	19.8	16.433	21.5	8.	54.063	7.353	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/14/75-10/27/75	3	8.1	8.9	10.8	7.8	2.73	1.652	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/75-08/25/75	2	1.35	1.35	1.8	0.9	0.405	0.636	**	**	**	**
00312	BOD, 6 DAY, 20 DEG C MG/L	07/14/75-10/27/75	2	3.25	3.25	4.3	2.2	2.205	1.485	**	**	**	**
00400	PH (STANDARD UNITS)	03/26/75-10/27/75	4	7.4	7.375	7.6	7.1	0.049	0.222	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/26/75-10/27/75	4	7.389	7.332	7.6	7.1	0.052	0.227	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/75-10/27/75	4	0.041	0.047	0.079	0.025	0.001	0.024	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	03/26/75-10/27/75	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	03/26/75-10/27/75	4 ##	0.699	0.774	1.	0.699	0.023	0.151	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			5.946								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	2	0	0.00							1	0	0.00
00400	PH	Other-Hi Lim.	9.	4	0	0.00	2	0	0.00				1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00				1	0	0.00	1	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	0	0.00	2	0	0.00				1	0	0.00	1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0077

NPS Station ID: SACN0077 | LAT/LON: 46.034503/ -91.913503 | Agency: 21WIL | Date Created: 08/29/92
Location: WILCOX LAKE | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 664034 /8270AG664034/4112W184034
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 12 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 10.00 | On/Off RF1:
RF3 Index: 07030002074706.00 | RF3 Mile Point: 6.26 | Distance from RF3: 0.02 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/19/79-07/19/79	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/79-07/19/79	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.78	0.78	0.78	0.78	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.51	0.51	0.51	0.51	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	1	0.037	0.037	0.037	0.037	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	1	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	1	9.18	9.18	9.18	9.18	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	1	1.00										1	1	1.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0078

NPS Station ID: SACN0078 | LAT/LON: 45.921337/ -91.920338 | Agency: 21WIL | Date Created: 08/29/92
Location: LITTLE CASEY LAKE | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 664016 /8270AG664016/4013W254016
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 22 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 16.00 | On/Off RF1:
RF3 Index: 07030002075401.49 | RF3 Mile Point: 1.58 | Distance from RF3: 0.40 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	2	64.	64.	64.	64.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	2	80.	80.	80.	80.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	2	2.9	2.9	3.3	2.5	0.32	0.566	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	2	78.	78.	78.	78.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	2	119.5	119.5	126.	113.	84.5	9.192	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	2	3.55	3.55	6.9	0.2	22.445	4.738	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	2	7.35	7.35	7.4	7.3	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/19/79-07/19/79	2	7.347	7.347	7.4	7.3	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/79-07/19/79	2	0.045	0.045	0.05	0.04	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	2	40.5	40.5	47.	34.	84.5	9.192	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	2	1.01	1.01	1.11	0.91	0.02	0.141	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	2	0.555	0.555	0.57	0.54	0.	0.021	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	2	0.26	0.26	0.37	0.15	0.024	0.156	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	2	0.008	0.008	0.009	0.007	0.	0.001	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	2	0.18	0.18	0.19	0.17	0.	0.014	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	2 ##	0.017	0.017	0.029	0.005	0.	0.017	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	2 ##	0.009	0.009	0.015	0.003	0.	0.009	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	2	11.5	11.5	12.	11.	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	2 ##	0.775	0.775	1.3	0.25	0.551	0.742	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	2 ##	937.5	937.5	1860.	15.	1702012.5	1304.612	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	2	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	2	2.64	2.64	3.56	1.72	1.693	1.301	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0078

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0078

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0079

NPS Station ID: SACN0079 | LAT/LON: 45.964837/ -91.921503 | Agency: 21WIL | Date Created: 08/29/92
Location: LEISURE LAKE | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 664014 /8270AG664014/4013W124014
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 26 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 25.20 | On/Off RF1:
RF3 Index: 07030001066400.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.04 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/26/79-07/26/79	2	78.	78.	78.	78.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/26/79-07/26/79	2	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/26/79-07/26/79	2	2.4	2.4	2.6	2.2	0.08	0.283	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/26/79-07/26/79	2	144.	144.	144.	144.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/79-07/26/79	2	62.	62.	63.	61.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/26/79-07/26/79	2	8.15	8.15	8.2	8.1	0.005	0.071	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/79-07/26/79	2	7.35	7.35	7.7	7.	0.245	0.495	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/79-07/26/79	2	7.222	7.222	7.7	7.	0.278	0.527	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/79-07/26/79	2	0.06	0.06	0.1	0.02	0.003	0.057	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/79-07/26/79	2	29.5	29.5	40.	19.	220.5	14.849	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/26/79-07/26/79	2	0.525	0.525	0.56	0.49	0.002	0.049	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/26/79-07/26/79	2	0.44	0.44	0.5	0.38	0.007	0.085	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	2	0.055	0.055	0.08	0.03	0.001	0.035	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/26/79-07/26/79	2	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/79-07/26/79	2 ##	0.007	0.007	0.008	0.005	0.	0.002	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/26/79-07/26/79	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/79-07/26/79	2	8.	8.	10.	6.	8.	2.828	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/79-07/26/79	2 ##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/26/79-07/26/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/26/79-07/26/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/79-07/26/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/79-07/26/79	2 ##	37.5	37.5	60.	15.	1012.5	31.82	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/26/79-07/26/79	2	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/26/79-07/26/79	2 ##	0.095	0.095	0.15	0.04	0.006	0.078	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0079

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0079

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00										2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0080

NPS Station ID: SACN0080
LAT/LON: 46.253337/ -91.921670
Agency: 21WIS
Date Created: 05/15/93
Location: ST CROIX FLOWAGE NEAR DAM
FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 163235 /8270AG163235/4412W313235
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 15
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHEST DISTRICT (715)635-4073 ST CROIX FLOWAGE APPROX 1/4 MILE ABOVE DAM. FLOWAGE WATER QUALITY MONITORING SITE.

Parameter Inventory for Station: SACN0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/93-03/14/95	17	19.8	16.565	23.6	0.8	54.959	7.413	0.88	12.1	21.7	23.12
00032	CLOUD COVER (PERCENT)	05/12/93-03/14/95	9	10.	41.667	100.	0.	2075.	45.552	0.	0.	92.5	100.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/12/93-04/20/94	3	1.3	1.2	1.5	0.8	0.13	0.361	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/12/93-08/16/94	8	2.65	2.625	3.5	1.6	0.465	0.682	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/12/93-04/20/94	3	30.	26.667	30.	20.	33.333	5.774	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/12/93-04/20/94	3	88.	92.667	102.	88.	65.333	8.083	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	03/14/95-03/14/95	2	9.	9.	9.	9.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/12/93-03/14/95	17	8.7	8.553	10.8	5.5	2.608	1.615	5.74	7.35	9.8	10.8
00400	PH (STANDARD UNITS)	05/12/93-03/14/95	17	7.6	7.788	8.9	7.2	0.266	0.516	7.28	7.35	8.15	8.74
00400	CONVERTED PH (STANDARD UNITS)	05/12/93-03/14/95	17	7.6	7.583	8.9	7.2	0.311	0.557	7.28	7.35	8.15	8.74
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/12/93-03/14/95	17	0.025	0.026	0.063	0.001	0.	0.02	0.002	0.007	0.045	0.053
00403	PH, LAB, STANDARD UNITS SU	05/12/93-04/20/94	3	7.6	7.7	7.9	7.6	0.03	0.173	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/12/93-04/20/94	3	7.6	7.679	7.9	7.6	0.031	0.175	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/12/93-04/20/94	3	0.025	0.021	0.025	0.013	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/12/93-04/20/94	3	39.	41.333	46.	39.	16.333	4.041	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/12/93-04/20/94	3	62.	62.	64.	60.	4.	2.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/12/93-04/20/94	3	24.	24.	24.	24.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/12/93-04/20/94	3	3.	2.333	3.	1.	1.333	1.155	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/12/93-04/20/94	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/93-04/20/94	3	0.2	0.2	0.3	0.1	0.01	0.1	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/12/93-04/20/94	3 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/12/93-03/14/95	15	0.018	0.02	0.039	0.012	0.	0.007	0.014	0.015	0.022	0.032
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/12/93-04/20/94	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/12/93-05/12/93	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/12/93-04/20/94	3	11.	12.	14.	11.	3.	1.732	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/12/93-04/20/94	3	3.	3.	3.	3.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/12/93-04/20/94	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/12/93-04/20/94	3	0.56	0.527	0.57	0.45	0.004	0.067	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/12/93-04/20/94	3	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/12/93-04/20/94	3	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/12/93-04/20/94	3 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/12/93-08/16/94	8	4.28	4.985	7.99	2.51	3.661	1.913	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	05/12/93-04/20/94	3	0.35	0.287	0.35	0.16	0.012	0.11	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	0	0.00										3	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	17	0	0.00	4	0	0.00				2	0	0.00	11	0	0.00
00400	PH	Other-Hi Lim.	9.	17	0	0.00	4	0	0.00				2	0	0.00	11	0	0.00
		Other-Lo Lim.	6.5	17	0	0.00	4	0	0.00				2	0	0.00	11	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00										3	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00										3	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00										3	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00										3	0	0.00
		Drinking Water	250.	3	0	0.00										3	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00										3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0081

NPS Station ID: SACN0081 LAT/LON: 46.254170/ -91.922226 Agency: 21WITIS Date Created: 08/01/87
Location: ST CROIX FLOWAGE FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/LAKE/TISSUE STORET Station ID(s): 165010 /8270MA165010/4412W345010 /2740300
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030001 RF1 Mile Point: 0.000 Distance from RF1: 15.60 On/Off RF1:
RF3 Index: 07030001018100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	08/10/84-04/10/87	23	1.1	1.869	7.32	0.33	3.458	1.86	0.578	0.75	3.	5.298
00024	SAMPLE LENGTH IN INCHES	08/10/84-04/10/87	23	13.	15.535	32.4	7.6	39.606	6.293	9.7	10.9	18.7	25.84
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/10/84-08/10/84	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/10/84-08/10/84	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	08/10/84-08/10/84	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	08/10/84-08/10/84	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/10/84-08/10/84	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/10/84-05/28/86	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/10/84-05/28/86	12	0.245	0.353	1.	0.12	0.068	0.26	0.126	0.17	0.55	0.868
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	04/09/87-04/10/87	11	0.4	0.39	0.6	0.09	0.024	0.153	0.132	0.3	0.5	0.6
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	08/10/84-05/28/86	3 ##	0.25	0.307	0.42	0.25	0.01	0.098	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/09/87-04/10/87	11	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0082

NPS Station ID: SACN0082 | LAT/LON: 45.959726/ -91.922226 | Agency: 21WITIS | Date Created: 08/01/87
Location: LEISURE LAKE | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 665005 /8270MA665005/4013W125005 /2475000
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 10.10 | On/Off RF1:
RF3 Index: 07030002027400.00 | RF3 Mile Point: 0.76 | Distance from RF3: 0.17 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/01/84-09/18/86	6	1.465	1.572	3.42	0.55	1.115	1.056	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	10/01/84-09/18/86	6	15.45	15.167	21.9	8.4	28.331	5.323	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/01/84-09/18/86	6	0.13	0.133	0.2	0.08	0.002	0.05	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0083

NPS Station ID: SACN0083
LAT/LON: 46.255003/ -91.926393
Agency: 21WIS
Date Created: 12/28/94
Location: ST CROIX FLOWAGE NEAR DAM
FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/LAKE/SOLIDS
STORET Station ID(s): 163298 /8270LA163298/4312W313298
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR TOM JANISCH OF MADISON (608)266-9268 NEAR DAM 2 PONAR GRABS COMPOSITED METALS AND ORGANICS. ORW EVALUATION. SANDBERG 05/04/94 WD-11 FT.

Parameter Inventory for Station: SACN0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00557	OIL & GREASE,SED,DRY WT,FREON EXTR-GRAV METH,MG/KG	05/04/94-05/04/94	1	5200.	5200.	5200.	5200.	0.	0.	**	**	**	**
00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	05/04/94-05/04/94	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	05/04/94-05/04/94	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	05/04/94-05/04/94	1	580.	580.	580.	580.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/04/94-05/04/94	1	17.27	17.27	17.27	17.27	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/04/94-05/04/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/04/94-05/04/94	1	0.71	0.71	0.71	0.71	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/04/94-05/04/94	1	37.	37.	37.	37.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/04/94-05/04/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/04/94-05/04/94	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/04/94-05/04/94	1	3.51	3.51	3.51	3.51	0.	0.	**	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34257	B-BHC-BETA DRY WGTBOTUG/KG	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	05/04/94-05/04/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/04/94-05/04/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39160	ALACHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	05/04/94-05/04/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39810	CHLORDANE,GAMMA,IN WHOLE WATER SAMPLE (UG/L)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
46288	METHOXYCHLOR IN SOIL (DRY WGT)	05/04/94-05/04/94	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
46305	ATRAZINE IN SOIL (NG/G DRY WGT)	05/04/94-05/04/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
46325	O,P-DDE IN WHOLE WATER SAMPLE (UG/L)	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
61509	ZINC SLUDGE SOLID FRACTN,DRY WT,MG/KG	05/04/94-05/04/94	1	68.	68.	68.	68.	0.	0.	**	**	**	**
61515	NICKEL SLUDGE SOLID FRACTN,DRY WT,MG/KG	05/04/94-05/04/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	05/04/94-05/04/94	1	88.	88.	88.	88.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/04/94-05/04/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
77780	BLADEX 2-(4-CHLORO-6-ETHYLAMINO-S*WHOLE WATER,UG/L	05/04/94-05/04/94	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
78397	2,4,5-TRICHLOROPHENOL SEDWETWTMG/KG	05/04/94-05/04/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
78679	PERYLENE IN SEDIMENT UG/KG	05/04/94-05/04/94	1	2800.	2800.	2800.	2800.	0.	0.	**	**	**	**
78828	BENZO(GHI)PERYLENE IN SEDIMENT DRY WEIGHT UG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
78924	NONACHLOR, CIS, SEDIMENT, DRY WEIGHT UG/KG	05/04/94-05/04/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	05/04/94-05/04/94	1	198000.	198000.	198000.	198000.	0.	0.	**	**	**	**
85753	TOXAPHENE LIKE COMPOUNDS, SOIL, DRY WT, MG/KG	05/04/94-05/04/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
85754	BENZO-A-PYRENE, SOIL, DRY WT, MG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
85755	BENZO(A)ANTHRACENE, SOIL, DRY WT, MG/KG	05/04/94-05/04/94	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0084

NPS Station ID: SACN0084
LAT/LON: 45.821837/ -91.933004
Agency: 21WIS
Date Created: 11/17/75
Location: YELLOW RIVER AT TOZER LAKE DRIVE
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 663021 /8270AB663021
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030001019
RF1 Mile Point: 38.340
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030001001602.24
RF3 Mile Point: 2.24
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0084

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0085

NPS Station ID: SACN0085
LAT/LON: 46.228337/ -91.936115
Agency: 112WRD
Date Created: 04/24/82
Location: ROUND LAKE NEAR GORDON, WI
FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 461342091561002
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 14.10
On/Off RF1:
RF3 Index: 07030001018100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/81-11/13/86	302	6.5	7.99	27.	0.	33.058	5.75	3.	4.	8.5	18.35
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/13/81-11/13/86	63	4.88	5.357	11.58	1.52	4.998	2.236	2.622	3.96	6.1	8.718
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/13/81-11/13/86	292	20.	21.884	48.	11.	38.11	6.173	16.	19.	24.	30.
00300	OXYGEN, DISSOLVED MG/L	08/13/81-11/13/86	291	7.7	6.102	13.5	0.	16.465	4.058	0.	1.6	9.2	10.9
00400	PH (STANDARD UNITS)	08/13/81-11/13/86	292	6.5	6.587	9.2	5.9	0.215	0.464	6.2	6.3	6.7	7.
00400	CONVERTED PH (STANDARD UNITS)	08/13/81-11/13/86	292	6.5	6.44	9.2	5.9	0.237	0.486	6.2	6.3	6.7	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/13/81-11/13/86	292	0.316	0.363	1.259	0.001	0.061	0.247	0.1	0.2	0.501	0.631
00403	PH, LAB, STANDARD UNITS SU	08/13/81-10/25/83	136	6.5	6.627	9.4	6.	0.206	0.454	6.3	6.3	6.8	7.03
00403	CONVERTED PH, LAB, STANDARD UNITS	08/13/81-10/25/83	136	6.5	6.499	9.4	6.	0.223	0.472	6.3	6.3	6.8	7.03
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/13/81-10/25/83	136	0.316	0.317	1.	0.	0.037	0.193	0.094	0.158	0.501	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/13/81-11/13/86	281	7.	8.039	22.	4.	10.373	3.221	5.	6.	9.	13.8
00413	ALKALINITY,TOTAL,LOW LEVEL GRAN ANAL MG/L(CAC03)	03/09/82-09/02/86	216	6.2	7.145	18.5	3.5	7.064	2.658	5.1	5.6	7.5	10.96
00417	ALKALINITY,FIXED ENDPOINT TITRATION, USGS LAB MG/L	08/13/81-01/10/84	101	8.	9.376	22.	4.	10.217	3.196	6.	8.	10.	14.
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	11/09/82-11/09/82	2	0.385	0.385	0.44	0.33	0.006	0.078	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	294	0.125	0.212	1.5	0.01	0.078	0.278	0.01	0.01	0.24	0.605
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/09/82-11/09/82	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	260	0.02	0.066	0.43	0.01	0.007	0.083	0.01	0.01	0.11	0.18
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	11/09/82-11/09/82	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/13/81-11/13/86	264	0.4	0.53	1.9	0.2	0.076	0.275	0.3	0.4	0.6	0.9
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/82-11/09/82	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/13/81-11/13/86	292	0.018	0.037	0.24	0.006	0.002	0.044	0.01	0.013	0.035	0.107
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/09/82-11/09/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/13/81-11/13/86	269 ##	0.002	0.015	0.182	0.002	0.001	0.032	0.002	0.002	0.007	0.051
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/09/82-11/09/82	2	7.	7.	7.	7.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/13/81-11/13/86	294	2.	2.126	3.8	1.5	0.077	0.277	1.9	2.	2.2	2.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/13/81-11/13/86	295	0.6	0.568	1.	0.3	0.009	0.096	0.5	0.5	0.6	0.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/13/81-11/13/86	267	0.4	0.449	0.7	0.4	0.004	0.064	0.4	0.4	0.5	0.5
00931	SODIUM ADSORPTION RATIO	11/09/82-11/09/82	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	11/09/82-11/09/82	2	13.	13.	14.	12.	2.	1.414	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/13/81-11/13/86	268	0.6	0.582	1.	0.4	0.007	0.083	0.5	0.513	0.6	0.6
00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/81-11/13/86	265	0.5	0.519	1.	0.15	0.047	0.216	0.4	0.4	0.5	1.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/13/81-11/13/86	294	2.	2.042	4.	0.1	0.202	0.449	2.	2.	2.	2.5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/13/81-01/14/86	81 ##	0.05	0.051	0.1	0.05	0.	0.006	0.05	0.05	0.05	0.05
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/13/81-11/13/86	262 ##	0.1	0.219	1.	0.	0.036	0.189	0.1	0.1	0.3	0.5
01040	COPPER, DISSOLVED (UG/L AS CU)	08/13/81-01/14/86	73 ##	1.5	1.582	5.	1.	0.257	0.507	1.5	1.5	1.5	1.5
01046	IRON, DISSOLVED (UG/L AS FE)	08/13/81-11/13/86	274	100.	488.757	3000.	1.5	504528.18	710.301	50.	50.	600.	1800.
01049	LEAD, DISSOLVED (UG/L AS PB)	08/13/81-01/14/86	73 ##	1.5	1.5	3.	0.5	0.049	0.22	1.5	1.5	1.5	1.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/13/81-11/13/86	271 ##	20.	55.384	180.	4.	2729.578	52.245	20.	20.	100.	140.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/13/81-01/14/86	73 ##	10.	10.192	20.	2.	5.907	2.43	10.	10.	10.	10.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/13/81-11/13/86	155 ##	12.5	13.574	50.	12.5	19.454	4.411	12.5	12.5	12.5	12.5
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	09/17/85-05/13/86	6	171.5	170.333	183.	156.	84.667	9.201	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/09/82-11/09/82	2	10.	10.	10.	10.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/09/82-11/09/82	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/09/82-11/09/82	2	0.085	0.085	0.09	0.08	0.	0.007	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/13/81-06/09/86	97 ##	0.1	0.161	1.8	0.05	0.052	0.229	0.1	0.1	0.1	0.3
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	08/13/81-11/13/86	205	5.4	7.154	41.	0.7	45.171	6.721	1.8	2.9	8.45	14.4
82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	09/17/85-05/13/86	6	-37.	-37.167	-34.	-40.	4.967	2.229	**	**	**	**
82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	09/17/85-05/13/86	6	-2.05	-1.8	0.4	-3.6	2.452	1.566	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0085

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	291	100	0.34	90	41	0.46	60	4	0.07	27	8	0.30	114	47	0.41
00400	PH	Other-Hi Lim.	9.	292	2	0.01	95	0	0.00	58	0	0.00	32	0	0.00	107	2	0.02
		Other-Lo Lim.	6.5	292	155	0.53	95	53	0.56	58	27	0.47	32	28	0.88	107	47	0.44
00403	PH, LAB	Other-Hi Lim.	9.	136	2	0.01	46	0	0.00	24	0	0.00	20	0	0.00	46	2	0.04
		Other-Lo Lim.	6.5	136	74	0.54	46	25	0.54	24	8	0.33	20	15	0.75	46	26	0.57
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	260	0	0.00	75	0	0.00	60	0	0.00	28	0	0.00	97	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	265	0	0.00	77	0	0.00	60	0	0.00	31	0	0.00	97	0	0.00
		Drinking Water	250.	265	0	0.00	77	0	0.00	60	0	0.00	31	0	0.00	97	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	294	0	0.00	93	0	0.00	60	0	0.00	32	0	0.00	109	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	81	0	0.00	18	0	0.00	12	0	0.00	8	0	0.00	43	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	73	0	0.00	18	0	0.00	8	0	0.00	8	0	0.00	39	0	0.00
		Drinking Water	1300.	73	0	0.00	18	0	0.00	8	0	0.00	8	0	0.00	39	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	73	0	0.00	18	0	0.00	8	0	0.00	8	0	0.00	39	0	0.00
		Drinking Water	15.	73	0	0.00	18	0	0.00	8	0	0.00	8	0	0.00	39	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	73	0	0.00	18	0	0.00	8	0	0.00	8	0	0.00	39	0	0.00
		Drinking Water	5000.	73	0	0.00	18	0	0.00	8	0	0.00	8	0	0.00	39	0	0.00
07000	TRITIUM, TOTAL	Drinking Water	20000.	6	0	0.00	5	0	0.00							1	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	97	0	0.00	18	0	0.00	4	0	0.00	12	0	0.00	63	0	0.00
		Drinking Water	2.	97	0	0.00	18	0	0.00	4	0	0.00	12	0	0.00	63	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1981 - Station SACN0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/81-11/13/86	20	8.	10.1	23.	2.5	40.963	6.4	3.5	6.125	13.	21.
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/13/81-11/13/86	5	3.66	3.353	5.79	1.52	3.022	1.738	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/13/81-11/13/86	19	27.	29.947	48.	22.	69.275	8.323	23.	24.	30.	46.
00300	OXYGEN, DISSOLVED MG/L	08/13/81-11/13/86	20	8.4	6.505	13.2	0.	17.786	4.217	0.01	1.8	9.5	10.69
00400	PH (STANDARD UNITS)	08/13/81-11/13/86	20	6.3	6.48	7.6	6.	0.212	0.461	6.01	6.125	6.775	7.36
00400	CONVERTED PH (STANDARD UNITS)	08/13/81-11/13/86	20	6.3	6.32	7.6	6.	0.239	0.489	6.01	6.125	6.775	7.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/13/81-11/13/86	20	0.501	0.478	1.	0.025	0.099	0.315	0.046	0.169	0.753	0.979
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/13/81-11/13/86	20	9.5	10.8	22.	8.	15.432	3.928	8.	8.	10.75	18.7
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	20	0.125	0.196	0.9	0.01	0.062	0.25	0.01	0.01	0.243	0.709
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	20 ##	0.01	0.02	0.13	0.01	0.001	0.028	0.01	0.01	0.01	0.04
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/13/81-11/13/86	20	0.5	0.585	1.5	0.2	0.095	0.308	0.22	0.4	0.6	1.16
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/13/81-11/13/86	20	0.017	0.04	0.174	0.009	0.003	0.051	0.01	0.012	0.036	0.158
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/13/81-11/13/86	20 ##	0.002	0.02	0.124	0.002	0.001	0.037	0.002	0.002	0.019	0.097
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/13/81-11/13/86	20	2.	2.03	2.4	1.8	0.019	0.138	1.82	2.	2.	2.29
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/13/81-11/13/86	20	0.5	0.595	1.	0.3	0.05	0.224	0.4	0.5	0.675	1.
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/13/81-11/13/86	20	0.5	0.465	0.6	0.4	0.003	0.059	0.4	0.4	0.5	0.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/13/81-11/13/86	20	0.6	0.64	1.	0.5	0.037	0.193	0.5	0.5	0.675	1.
00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/81-11/13/86	20 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/13/81-11/13/86	20 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/13/81-01/14/86	12 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/13/81-11/13/86	20	0.2	0.285	1.	0.1	0.071	0.266	0.1	0.1	0.3	0.87
01040	COPPER, DISSOLVED (UG/L AS CU)	08/13/81-01/14/86	12 ##	1.5	1.792	5.	1.5	1.021	1.01	1.5	1.5	1.5	3.95
01046	IRON, DISSOLVED (UG/L AS FE)	08/13/81-11/13/86	20	100.	482.5	2500.	50.	586125.	765.588	50.	62.5	425.	1960.
01049	LEAD, DISSOLVED (UG/L AS PB)	08/13/81-01/14/86	12 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/13/81-11/13/86	19 ##	20.	50.	160.	20.	2666.667	51.64	20.	20.	50.	150.
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/13/81-01/14/86	12 ##	10.	10.833	20.	10.	8.333	2.887	10.	10.	10.	17.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/13/81-11/13/86	20 ##	12.5	17.5	25.	12.5	39.474	6.283	12.5	12.5	25.	25.
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/13/81-06/09/86	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	08/13/81-11/13/86	19	7.8	9.474	29.	1.9	49.54	7.038	3.1	5.5	11.	26.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station SACN0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/81-11/13/86	54	6.25	7.417	23.	0.	31.535	5.616	2.5	4.	8.	18.
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/13/81-11/13/86	12	4.955	5.157	7.32	3.35	2.101	1.45	3.443	3.848	6.783	7.227
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/13/81-11/13/86	54	23.	24.204	37.	18.	25.561	5.056	19.	20.	28.25	30.5
00300	OXYGEN, DISSOLVED MG/L	08/13/81-11/13/86	48	7.7	6.717	13.2	0.	16.517	4.064	0.68	2.7	9.5	11.92
00400	PH (STANDARD UNITS)	08/13/81-11/13/86	54	6.4	6.415	7.5	5.9	0.111	0.333	6.	6.175	6.7	6.9
00400	CONVERTED PH (STANDARD UNITS)	08/13/81-11/13/86	54	6.4	6.31	7.5	5.9	0.122	0.349	6.	6.175	6.7	6.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/13/81-11/13/86	54	0.398	0.49	1.259	0.032	0.098	0.314	0.126	0.2	0.672	1.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/13/81-11/13/86	48	8.	9.146	17.	6.	7.574	2.752	7.	7.	10.	14.1
00413	ALKALINITY,TOTAL,LOW LEVEL GRAN ANAL MG/L(CAC03)	03/09/82-09/02/86	40	5.95	6.802	15.4	4.3	6.443	2.538	5.	5.425	7.3	11.08
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	50	0.072	0.181	0.98	0.01	0.054	0.233	0.01	0.02	0.223	0.564
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	48	0.05	0.099	0.43	0.01	0.014	0.116	0.01	0.02	0.155	0.331
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/13/81-11/13/86	48	0.4	0.542	1.4	0.2	0.071	0.266	0.3	0.4	0.6	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/13/81-11/13/86	48	0.016	0.028	0.136	0.008	0.001	0.031	0.01	0.012	0.03	0.076
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/13/81-11/13/86	47 ##	0.002	0.007	0.083	0.002	0.	0.014	0.002	0.002	0.007	0.009
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/13/81-11/13/86	50	2.	2.118	3.	1.9	0.094	0.306	2.	2.	2.	2.93
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/13/81-11/13/86	50	0.5	0.54	1.	0.5	0.007	0.081	0.5	0.5	0.6	0.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/13/81-11/13/86	50	0.4	0.44	0.6	0.4	0.003	0.055	0.4	0.4	0.5	0.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/13/81-11/13/86	50	0.6	0.555	0.61	0.4	0.005	0.067	0.41	0.5	0.6	0.6
00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/81-11/13/86	54	0.4	0.578	1.	0.15	0.089	0.299	0.3	0.4	1.	1.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/13/81-11/13/86	54	2.	2.176	4.	0.5	0.294	0.542	2.	2.	2.	3.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/13/81-01/14/86	10 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/13/81-11/13/86	50	0.15	0.264	0.8	0.	0.05	0.223	0.1	0.1	0.4	0.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station SACN0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01040	COPPER, DISSOLVED (UG/L AS CU)	08/13/81-01/14/86	10 ##	1.5	1.5	2.	1.	0.056	0.236	1.05	1.5	1.5	1.95
01046	IRON, DISSOLVED (UG/L AS FE)	08/13/81-11/13/86	50	100.	338.39	2400.	1.5	360202.789	600.169	50.	50.	300.	1000.
01049	LEAD, DISSOLVED (UG/L AS PB)	08/13/81-01/14/86	10 ##	1.5	1.35	1.5	0.5	0.114	0.337	0.55	1.375	1.5	1.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/13/81-11/13/86	49 ##	20.	47.531	180.	4.	2944.629	54.264	20.	20.	35.	160.
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/13/81-01/14/86	10 ##	10.	8.4	10.	2.	11.378	3.373	2.	8.	10.	10.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/13/81-11/13/86	26 ##	12.5	14.231	50.	12.5	55.385	7.442	12.5	12.5	12.5	14.75
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/13/81-06/09/86	10 ##	0.1	0.14	0.4	0.05	0.013	0.115	0.05	0.088	0.15	0.39
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	08/13/81-11/13/86	42	5.2	6.31	19.	1.2	19.252	4.388	2.26	3.05	8.175	14.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/81-11/13/86	76	6.5	7.434	27.	0.	27.336	5.228	3.35	4.5	7.5	14.25
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/13/81-11/13/86	12	5.795	5.311	7.62	2.44	2.49	1.578	2.44	4.422	6.325	7.254
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/13/81-11/13/86	76	22.	25.092	43.	16.	40.245	6.344	19.	20.	30.	35.
00300	OXYGEN, DISSOLVED MG/L	08/13/81-11/13/86	75	3.3	4.636	12.5	0.	19.576	4.425	0.	0.2	8.7	11.2
00400	PH (STANDARD UNITS)	08/13/81-11/13/86	76	6.4	6.538	9.2	6.1	0.166	0.407	6.2	6.3	6.675	7.
00400	CONVERTED PH (STANDARD UNITS)	08/13/81-11/13/86	76	6.4	6.443	9.2	6.1	0.175	0.418	6.2	6.3	6.675	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/13/81-11/13/86	76	0.398	0.361	0.794	0.001	0.032	0.18	0.1	0.212	0.501	0.631
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/13/81-11/13/86	76	6.	8.447	18.	4.	14.384	3.793	5.	6.	12.	15.
00413	ALKALINITY,TOTAL,LOW LEVEL GRAN ANAL MG/L(CAC03)	03/09/82-09/02/86	65	6.6	8.18	18.5	4.2	11.6	3.406	5.36	5.8	10.2	13.92
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	75	0.17	0.31	1.5	0.01	0.121	0.348	0.01	0.02	0.44	0.83
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	47	0.02	0.047	0.39	0.01	0.004	0.067	0.01	0.01	0.07	0.132
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/13/81-11/13/86	47	0.4	0.538	1.4	0.2	0.076	0.276	0.3	0.4	0.6	1.02
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/13/81-11/13/86	75	0.031	0.055	0.24	0.008	0.003	0.056	0.011	0.014	0.072	0.144
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/13/81-11/13/86	67	0.004	0.027	0.182	0.002	0.002	0.045	0.002	0.002	0.038	0.099
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/13/81-11/13/86	75	2.	2.08	2.5	1.5	0.033	0.182	1.9	2.	2.2	2.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/13/81-11/13/86	76	0.6	0.539	0.6	0.4	0.005	0.069	0.4	0.5	0.6	0.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/13/81-11/13/86	49	0.4	0.414	0.5	0.4	0.001	0.035	0.4	0.4	0.4	0.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/13/81-11/13/86	49	0.6	0.588	0.7	0.4	0.003	0.053	0.5	0.6	0.6	0.6
00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/81-11/13/86	47	0.4	0.394	0.6	0.15	0.011	0.104	0.27	0.4	0.5	0.5
00945	SULFATE, TOTAL (MG/L AS SO4)	08/13/81-11/13/86	76	2.	2.026	3.	1.	0.079	0.282	2.	2.	2.	2.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/13/81-01/14/86	27 ##	0.05	0.052	0.1	0.05	0.	0.01	0.05	0.05	0.05	0.05
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/13/81-11/13/86	43 ##	0.1	0.202	0.8	0.1	0.034	0.183	0.1	0.1	0.3	0.5
01040	COPPER, DISSOLVED (UG/L AS CU)	08/13/81-01/14/86	27 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01046	IRON, DISSOLVED (UG/L AS FE)	08/13/81-11/13/86	68	400.	825.	3000.	50.	737126.866	858.561	50.	50.	1575.	2220.
01049	LEAD, DISSOLVED (UG/L AS PB)	08/13/81-01/14/86	27 ##	1.5	1.556	3.	1.5	0.083	0.289	1.5	1.5	1.5	1.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/13/81-11/13/86	66	85.	76.97	170.	20.	3098.368	55.663	20.	20.	132.5	150.
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/13/81-01/14/86	27 ##	10.	10.741	20.	10.	7.123	2.669	10.	10.	10.	12.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/13/81-11/13/86	28 ##	12.5	12.5	12.5	12.5	0.	0.	12.5	12.5	12.5	12.5
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/13/81-06/09/86	27 ##	0.1	0.126	0.4	0.1	0.004	0.066	0.1	0.1	0.1	0.2
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	08/13/81-11/13/86	41	5.3	9.461	41.	1.8	104.556	10.225	2.48	3.75	9.9	28.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/81-11/13/86	47	6.5	8.085	24.	0.	36.775	6.064	2.4	3.5	11.	18.
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/13/81-11/13/86	12	4.115	5.093	11.58	1.83	8.05	2.837	2.15	3.125	6.023	10.941
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/13/81-11/13/86	48	19.	18.625	26.	11.	8.835	2.972	14.8	18.	20.	22.
00300	OXYGEN, DISSOLVED MG/L	08/13/81-11/13/86	48	8.5	7.194	13.5	0.	14.03	3.746	0.1	3.7	9.975	10.7
00400	PH (STANDARD UNITS)	08/13/81-11/13/86	48	6.55	6.663	8.3	6.2	0.171	0.414	6.3	6.4	6.8	7.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	08/13/81-11/13/86	48	6.547	6.549	8.3	6.2	0.184	0.429	6.3	6.4	6.8	7.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/13/81-11/13/86	48	0.284	0.282	0.631	0.005	0.025	0.157	0.079	0.158	0.398	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/13/81-11/13/86	48	6.	7.146	17.	5.	6.255	2.501	6.	6.	7.	9.3
00413	ALKALINITY,TOTAL,LOW LEVEL GRAN ANAL MG/L(CAC03)	03/09/82-09/02/86	28	5.95	6.136	8.2	5.	0.553	0.744	5.39	5.6	6.575	7.24
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	48	0.13	0.173	0.98	0.01	0.04	0.201	0.01	0.02	0.218	0.376
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	48	0.03	0.064	0.26	0.01	0.004	0.064	0.01	0.01	0.118	0.16
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/13/81-11/13/86	48	0.45	0.523	1.3	0.2	0.046	0.215	0.3	0.4	0.6	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/13/81-11/13/86	48	0.02	0.032	0.196	0.009	0.002	0.042	0.011	0.015	0.027	0.044
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/13/81-11/13/86	35 ##	0.002	0.012	0.145	0.002	0.001	0.033	0.002	0.002	0.006	0.011
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/13/81-11/13/86	48	2.	2.135	3.	1.8	0.076	0.276	1.9	2.	2.2	2.6
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/13/81-11/13/86	48	0.6	0.608	0.8	0.4	0.008	0.09	0.5	0.6	0.6	0.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/13/81-11/13/86	47	0.4	0.417	0.7	0.4	0.003	0.052	0.4	0.4	0.4	0.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/13/81-11/13/86	48	0.6	0.592	0.7	0.5	0.001	0.035	0.5	0.6	0.6	0.6
00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/81-11/13/86	48	0.5	0.475	0.9	0.3	0.01	0.098	0.4	0.4	0.5	0.5
00945	SULFATE, TOTAL (MG/L AS SO4)	08/13/81-11/13/86	48	2.	2.104	3.	2.	0.095	0.309	2.	2.	2.	3.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/13/81-01/14/86	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/13/81-11/13/86	48	0.2	0.221	0.8	0.1	0.026	0.162	0.1	0.1	0.3	0.4
01040	COPPER, DISSOLVED (UG/L AS CU)	08/13/81-01/14/86	4 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/13/81-11/13/86	40	100.	351.25	2200.	50.	345831.731	588.075	50.	50.	300.	1480.
01049	LEAD, DISSOLVED (UG/L AS PB)	08/13/81-01/14/86	4 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/13/81-11/13/86	40 ##	20.	48.	180.	20.	2426.667	49.261	20.	20.	50.	140.
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/13/81-01/14/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/13/81-11/13/86	4 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/13/81-06/09/86	20 ##	0.1	0.34	1.8	0.1	0.209	0.457	0.1	0.1	0.4	1.17
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	08/13/81-11/13/86	34	7.3	7.562	22.	0.9	21.593	4.647	2.	2.7	9.85	14.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/81-11/13/86	48	7.	8.583	25.5	0.	36.493	6.041	3.	4.25	11.	18.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/13/81-11/13/86	11	4.88	5.253	7.62	2.29	1.854	1.362	2.746	4.88	6.1	7.438
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/13/81-11/13/86	48	19.	18.854	25.	13.	6.723	2.593	15.	17.	20.75	22.
00300	OXYGEN, DISSOLVED MG/L	08/13/81-11/13/86	44	7.9	6.759	11.6	0.	12.094	3.478	0.3	4.6	9.4	10.5
00400	PH (STANDARD UNITS)	08/13/81-11/13/86	47	6.6	6.709	8.3	6.1	0.223	0.472	6.2	6.5	6.9	7.1
00400	CONVERTED PH (STANDARD UNITS)	08/13/81-11/13/86	47	6.6	6.543	8.3	6.1	0.251	0.501	6.2	6.5	6.9	7.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/13/81-11/13/86	47	0.251	0.287	0.794	0.005	0.048	0.22	0.079	0.126	0.316	0.631
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/13/81-11/13/86	43	6.	7.116	15.	5.	5.915	2.432	5.	6.	7.	11.2
00413	ALKALINITY,TOTAL,LOW LEVEL GRAN ANAL MG/L(CAC03)	03/09/82-09/02/86	43	6.3	7.188	13.9	3.5	5.945	2.438	5.14	5.7	7.7	11.76
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	44	0.13	0.174	1.1	0.01	0.052	0.227	0.01	0.013	0.218	0.465
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	44 ##	0.015	0.065	0.22	0.01	0.005	0.07	0.01	0.01	0.118	0.185
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/13/81-11/13/86	44	0.45	0.539	1.5	0.2	0.057	0.239	0.4	0.4	0.6	0.85
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/13/81-11/13/86	44	0.015	0.029	0.148	0.01	0.001	0.034	0.011	0.013	0.026	0.096
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/13/81-11/13/86	43 ##	0.002	0.008	0.109	0.002	0.	0.019	0.002	0.002	0.006	0.012
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/13/81-11/13/86	44	2.2	2.3	3.8	2.	0.124	0.352	2.	2.1	2.4	2.85
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/13/81-11/13/86	44	0.6	0.595	0.8	0.5	0.003	0.057	0.5	0.6	0.6	0.65
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/13/81-11/13/86	44	0.5	0.475	0.6	0.4	0.004	0.061	0.4	0.4	0.5	0.55
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/13/81-11/13/86	44	0.6	0.611	0.8	0.5	0.003	0.054	0.6	0.6	0.6	0.7
00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/81-11/13/86	43	0.5	0.484	0.8	0.3	0.009	0.095	0.4	0.4	0.5	0.6
00945	SULFATE, TOTAL (MG/L AS SO4)	08/13/81-11/13/86	43	2.	2.04	3.	0.1	0.437	0.661	1.4	2.	2.	3.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/13/81-01/14/86	20 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/13/81-11/13/86	44 ##	0.1	0.159	0.6	0.1	0.01	0.1	0.1	0.1	0.2	0.3
01040	COPPER, DISSOLVED (UG/L AS CU)	08/13/81-01/14/86	16 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01046	IRON, DISSOLVED (UG/L AS FE)	08/13/81-11/13/86	44	100.	346.591	2300.	50.	334464.852	578.329	50.	50.	200.	1400.
01049	LEAD, DISSOLVED (UG/L AS PB)	08/13/81-01/14/86	16 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/13/81-11/13/86	44 ##	20.	45.682	180.	20.	2397.199	48.961	20.	20.	47.5	140.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/13/81-01/14/86	16 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/13/81-11/13/86	24 ##	12.5	12.5	12.5	12.5	0.	0.	12.5	12.5	12.5	12.5
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/13/81-06/09/86	16 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	08/13/81-11/13/86	33	5.2	7.021	28.	1.3	30.616	5.533	2.5	3.75	8.9	15.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/81-11/13/86	57	6.5	7.956	25.5	0.5	33.86	5.819	3.5	4.	8.75	20.1
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/13/81-11/13/86	11	5.49	6.927	11.58	3.35	9.156	3.026	3.534	4.57	10.06	11.458
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/13/81-11/13/86	47	18.	17.191	22.	11.	9.68	3.111	12.	14.	20.	21.
00300	OXYGEN, DISSOLVED MG/L	08/13/81-11/13/86	56	6.1	5.941	13.1	0.	14.044	3.748	0.	2.675	8.9	10.69
00400	PH (STANDARD UNITS)	08/13/81-11/13/86	47	6.6	6.709	9.1	5.9	0.397	0.63	6.18	6.3	6.8	7.34
00400	CONVERTED PH (STANDARD UNITS)	08/13/81-11/13/86	47	6.6	6.48	9.1	5.9	0.45	0.671	6.18	6.3	6.8	7.34
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/13/81-11/13/86	47	0.251	0.331	1.259	0.001	0.068	0.26	0.053	0.158	0.501	0.664
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/13/81-11/13/86	46	6.	6.804	16.	5.	5.894	2.428	5.	6.	7.	10.9
00413	ALKALINITY,TOTAL,LOW LEVEL GRAN ANAL MG/L(CAC03)	03/09/82-09/02/86	40	6.05	6.467	14.3	4.	3.567	1.889	5.	5.325	6.8	8.67
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	57	0.07	0.178	1.5	0.01	0.086	0.293	0.01	0.01	0.19	0.504
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/13/81-11/13/86	53 ##	0.01	0.075	0.29	0.01	0.008	0.091	0.01	0.01	0.135	0.248
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/13/81-11/13/86	57	0.4	0.495	1.9	0.2	0.117	0.341	0.2	0.3	0.6	0.92
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/13/81-11/13/86	57	0.014	0.028	0.192	0.006	0.001	0.036	0.008	0.01	0.031	0.068
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/13/81-11/13/86	57	0.004	0.012	0.122	0.002	0.001	0.024	0.002	0.002	0.006	0.034
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/13/81-11/13/86	57	2.	2.086	3.	1.5	0.079	0.281	1.8	1.9	2.2	2.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/13/81-11/13/86	57	0.6	0.565	0.9	0.4	0.006	0.079	0.5	0.5	0.6	0.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/13/81-11/13/86	57	0.5	0.488	0.7	0.4	0.005	0.071	0.4	0.4	0.5	0.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/13/81-11/13/86	57	0.6	0.547	0.8	0.4	0.007	0.085	0.4	0.5	0.6	0.6
00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/81-11/13/86	53	0.4	0.458	0.8	0.4	0.008	0.089	0.4	0.4	0.5	0.56
00945	SULFATE, TOTAL (MG/L AS SO4)	08/13/81-11/13/86	53	2.	1.889	3.	0.7	0.238	0.488	1.	2.	2.	2.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/13/81-01/14/86	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/13/81-11/13/86	57 ##	0.1	0.216	1.	0.1	0.038	0.196	0.1	0.1	0.2	0.5
01040	COPPER, DISSOLVED (UG/L AS CU)	08/13/81-01/14/86	4 ##	1.5	2.125	4.	1.5	1.563	1.25	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/13/81-11/13/86	52	100.	422.115	2600.	50.	411707.202	641.644	50.	50.	400.	1570.
01049	LEAD, DISSOLVED (UG/L AS PB)	08/13/81-01/14/86	4 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/13/81-11/13/86	53 ##	20.	51.321	160.	20.	2057.837	45.363	20.	20.	85.	136.
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/13/81-01/14/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/13/81-11/13/86	53 ##	12.5	12.906	34.	12.5	8.722	2.953	12.5	12.5	12.5	12.5
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/13/81-06/09/86	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	08/13/81-11/13/86	36	2.005	4.022	30.6	0.7	27.131	5.209	1.134	1.57	5.475	9.135

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0086

NPS Station ID: SACN0086 | LAT/LON: 46.226670/ -91.936115 | Agency: 21WITIS | Date Created: 08/01/87
Location: ROUND LAKE | FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 165009 /8270MA165009/4313W125009 /2493900
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030001014900.00 | RF3 Mile Point: 0.27 | Distance from RF3: 0.02 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	01/01/83-06/26/83	3	0.66	0.843	1.43	0.44	0.27	0.52	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	01/01/83-06/26/83	3	11.8	12.233	15.5	9.4	9.443	3.073	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	01/01/83-06/26/83	3	0.13	0.173	0.34	0.05	0.022	0.15	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0087

NPS Station ID: SACN0087
LAT/LON: 45.865670/ -91.939837
Agency: 21WIL
Date Created: 08/29/92
Location: GOOSE LAKE
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 664012 /8270AG664012/3913W144012
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 11
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 30.30
On/Off RF1:
RF3 Index: 07030002029700.00
RF3 Mile Point: 0.85
Distance from RF3: 0.26
On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/19/79-07/19/79	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/79-07/19/79	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	1.16	1.16	1.16	1.16	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.71	0.71	0.71	0.71	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	1	120.	120.	120.	120.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	1	3.49	3.49	3.49	3.49	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0087

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0087

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	1	1.00										1	1	1.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0088

NPS Station ID: SACN0088 | LAT/LON: 45.957505/ -91.941393 | Agency: 21WITIS | Date Created: 08/01/87
Location: ISLAND LAKE | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 665004 /8270MA665004/4213W115004 /2470600
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 23.90 | On/Off RF1:
RF3 Index: 07030001020300.00 | RF3 Mile Point: 3.85 | Distance from RF3: 0.11 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/03/84-10/03/84	3	0.77	0.83	1.1	0.62	0.06	0.246	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	10/03/84-10/03/84	3	11.4	13.333	18.3	10.3	18.803	4.336	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/03/84-10/03/84	3	0.15	0.207	0.38	0.09	0.023	0.153	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0089

NPS Station ID: SACN0089 | LAT/LON: 46.047920/ -91.948392 | Agency: 21WITIS | Date Created: 07/02/88
Location: MCLAIN LAKE 00 T41R13W S11 | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 665016 /8270MA665016/4113W115016 /2481600
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 2.30 | On/Off RF1:
RF3 Index: 07030002001706.53 | RF3 Mile Point: 6.53 | Distance from RF3: 0.11 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/18/84-09/18/84	2	0.385	0.385	0.44	0.33	0.006	0.078	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/18/84-09/18/84	2	9.4	9.4	9.5	9.3	0.02	0.141	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/18/84-09/18/84	2	0.16	0.16	0.18	0.14	0.001	0.028	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0090

NPS Station ID: SACN0090
LAT/LON: 46.020003/ -91.955504
Agency: 21WITIS
Date Created: 12/10/94
Location: MATHEWS LAKE
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 665029 /8270MA665029/4113W235029
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0090

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0091

NPS Station ID: SACN0091 LAT/LON: 45.942504/ -91.966115 Agency: 21WITIS Date Created: 08/01/87
Location: BIG CASEY LAKE FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE STORET Station ID(s): 665001 /8270MA665001/4013W155001 /2709100
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030002 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07030001080100.00 RF3 Mile Point: 4.28 Distance from RF3: 0.57 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/17/84-09/17/84	3	0.99	0.99	1.54	0.44	0.303	0.55	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/17/84-09/17/84	3	11.5	13.9	20.	10.2	28.33	5.323	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/17/84-09/17/84	3	0.21	0.253	0.35	0.2	0.007	0.084	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0092

NPS Station ID: SACN0092
LAT/LON: 45.874031/ -91.966670
Agency: 21WIS
Date Created: 05/17/76
Location: YELLOW RIVER AT KEZER BRIDGE
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 663022 /8270AB663022/3915W
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030001019
RF1 Mile Point: 37.690
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030002075600.25
RF3 Mile Point: 0.29
Distance from RF3: 0.14
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0092

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0093

NPS Station ID: SACN0093
LAT/LON: 46.259726/ -91.970838
Agency: 21WIS
Date Created: 08/28/82
Location: MOOSE RIV @ TWN RD SEC 27,44,13W
FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 163203 /8270AC163203/4413W273203
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 1
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001030
RF1 Mile Point: 0.430
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030001002602.04
RF3 Mile Point: 2.03
Distance from RF3: 0.01
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 MOOSE RIV @ TWN RD IN SEC 27 T44N R13W - BIOTIC INDEX SURVEY (NON-POIN
T) SAMPLING SITE 1979. SAMPLED DOWNSTREAM FROM RD IN 6 TO 24 INCHS DEP TH

Parameter Inventory for Station: SACN0093

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0094

NPS Station ID: SACN0094 | LAT/LON: 46.193837/ -91.976003 | Agency: 21WIL | Date Created: 08/29/92
Location: PERSON LAKE | FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 164007 /8270AG164007/4313W224007
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 10 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 18.60 | On/Off RF1:
RF3 Index: 07030001016000.00 | RF3 Mile Point: 0.04 | Distance from RF3: 0.07 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/18/79-07/18/79	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/18/79-07/18/79	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/18/79-07/18/79	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/18/79-07/18/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/18/79-07/18/79	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/18/79-07/18/79	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/18/79-07/18/79	1	3.162	3.162	3.162	3.162	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/79-07/18/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/18/79-07/18/79	1	0.82	0.82	0.82	0.82	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/18/79-07/18/79	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/18/79-07/18/79	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/18/79-07/18/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/18/79-07/18/79	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/18/79-07/18/79	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/18/79-07/18/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/18/79-07/18/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/18/79-07/18/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/18/79-07/18/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/79-07/18/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/18/79-07/18/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/18/79-07/18/79	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0094

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	1	1.00										1	1	1.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0094

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0095

NPS Station ID: SACN0095 | LAT/LON: 46.034503/ -91.976171 | Agency: 21WIL | Date Created: 08/29/92
Location: UNNAMED (4113W15) | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 664037 /8270AG664037/4113W154037
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 15 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 3.30 | On/Off RF1:
RF3 Index: 07030001001602.25 | RF3 Mile Point: 2.25 | Distance from RF3: 0.04 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/19/79-07/19/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/79-07/19/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.99	0.99	0.99	0.99	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.66	0.66	0.66	0.66	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	1	4.46	4.46	4.46	4.46	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	1	1.00										1	1	1.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0096

NPS Station ID: SACN0096
LAT/LON: 45.933337/ -91.995837
Agency: 21WITIS
Date Created: 09/24/88
Location: BASS LAKE
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 665014 /8270MA665014/4013W295014
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 19.70
On/Off RF1:
RF3 Index: 07030002031000.00
RF3 Mile Point: 0.42
Distance from RF3: 0.11
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/17/84-09/17/84	3	1.43	1.1	1.54	0.33	0.448	0.669	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/17/84-09/17/84	3	13.3	13.517	19.8	7.45	38.166	6.178	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/17/84-09/17/84	3	0.12	0.183	0.39	0.04	0.034	0.183	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0097

NPS Station ID: SACN0097 | LAT/LON: 46.155226/ -92.001226 | Agency: 21WITIS | Date Created: 12/17/88
Location: LITTLE SAND LAKE | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 665019 /8270MA665019/4213W045019
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030001030200.00 | RF3 Mile Point: 4.32 | Distance from RF3: 0.13 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/19/87-10/19/87	4	2.38	2.44	2.71	2.29	0.037	0.194	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	10/19/87-10/19/87	4	19.3	19.75	23.4	17.	7.423	2.725	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	10/19/87-10/19/87	4	0.55	0.5	0.6	0.3	0.02	0.141	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/19/87-10/19/87	4	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0098

NPS Station ID: SACN0098 | LAT/LON: 45.921838/ -92.003337 | Agency: 21WIL | Date Created: 08/29/92
Location: BASS LAKE (4013W29) | FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 664004 /8270AG664004/4013W294004
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 31 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 16.90 | On/Off RF1:
RF3 Index: 07030002031000.00 | RF3 Mile Point: 1.93 | Distance from RF3: 0.05 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	1	113.	113.	113.	113.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/19/79-07/19/79	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/79-07/19/79	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	1	3.86	3.86	3.86	3.86	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0099

NPS Station ID: SACN0099 LAT/LON: 45.866115/ -92.006115 Agency: 21WITIS Date Created: 08/01/87
Location: ELLSWORTH LAKE FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE STORET Station ID(s): 665002 /8270MA665002/3913W175002 /2463500
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030001 RF1 Mile Point: 0.000 Distance from RF1: 1.70 On/Off RF1:
RF3 Index: 07030002000302.87 RF3 Mile Point: 2.86 Distance from RF3: 0.15 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/03/84-10/03/84	3	1.32	1.1	1.54	0.44	0.339	0.582	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	10/03/84-10/03/84	3	12.5	13.167	19.	8.	30.583	5.53	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/03/84-10/03/84	3	0.14	0.16	0.29	0.05	0.015	0.121	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0100

NPS Station ID: SACN0100
LAT/LON: 46.147670/ -92.018532
Agency: 21WITIS
Date Created: 12/17/88
Location: SAND LAKE
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 665018 /8270MA665018/4213W055018
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 12.40
On/Off RF1:
RF3 Index: 07030002000302.16
RF3 Mile Point: 2.15
Distance from RF3: 0.77
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/13/87-10/13/87	6	2.87	3.085	4.81	1.79	1.656	1.287	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	10/13/87-10/13/87	6	21.25	21.667	28.	15.	24.567	4.956	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	10/13/87-10/13/87	6	0.5	0.467	0.6	0.3	0.011	0.103	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/13/87-10/13/87	6	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0101

NPS Station ID: SACN0101
LAT/LON: 46.044588/ -92.033003
Agency: 21WIS
Date Created: 08/31/85
Location: NAMEKAGON RIV STH 77 NR MINONG
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 663044 /8270AA663044/4113W073044
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002002
RF1 Mile Point: 5.600
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030002001919.37
RF3 Mile Point: 21.81
Distance from RF3: 0.37
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NWD-SPOONER (715)635-2101 W LOCATION FOR AMBIENT MONITORING NETWORK STATION REPLACING SITE AT NA MEKAGON TRAIL BRIDGE MEKAGON TRAIL BRIDGE

Parameter Inventory for Station: SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	73	9.	9.686	22.8	0.	56.328	7.505	0.	2.	16.65	20.
00032	CLOUD COVER (PERCENT)	02/26/90-06/08/94	2	25.	25.	50.	0.	1250.	35.355	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	75	150.	149.013	190.	95.	456.311	21.361	120.	130.	170.	174.8
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	73	10.	10.233	14.1	7.2	3.304	1.818	7.8	8.75	11.8	12.58
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	72	13.	14.376	36.	2.5	65.813	8.113	6.	8.	21.	26.7
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	69	7.6	7.603	8.2	6.4	0.127	0.357	7.2	7.4	7.8	8.
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	69	7.6	7.396	8.2	6.4	0.171	0.413	7.2	7.4	7.8	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	69	0.025	0.04	0.398	0.006	0.005	0.068	0.01	0.016	0.04	0.063
00403	PH, LAB, STANDARD UNITS SU	03/23/89-06/08/94	6	7.9	7.9	8.	7.8	0.008	0.089	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/23/89-06/08/94	6	7.9	7.892	8.	7.8	0.008	0.09	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/23/89-06/08/94	6	0.013	0.013	0.016	0.01	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/23/89-06/08/94	6	75.	72.833	83.	56.	115.767	10.759	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	73	3.	3.247	24.	1.	8.466	2.91	1.	2.	4.	6.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	75 ##	0.01	0.017	0.08	0.01	0.	0.014	0.01	0.01	0.02	0.03
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	72	0.3	0.336	0.8	0.1	0.02	0.14	0.2	0.2	0.4	0.5
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	75	0.1	0.121	0.3	0.01	0.008	0.088	0.026	0.06	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	71	0.02	0.023	0.08	0.01	0.	0.012	0.01	0.02	0.03	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	74	0.007	0.008	0.014	0.002	0.	0.003	0.004	0.005	0.01	0.013
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/89-06/08/94	19	77.	75.	91.	56.	99.333	9.967	56.	69.	81.	89.
00916	CALCIUM, TOTAL (MG/L AS CA)	01/23/89-06/08/94	19	21.	20.263	25.	15.	7.205	2.684	16.	19.	22.	24.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/23/89-06/08/94	19	6.	5.895	7.	4.	0.655	0.809	5.	5.	6.	7.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	74	2.	2.257	3.	2.	0.193	0.44	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/12/86-04/28/87	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	73	10.	13.219	60.	5.	139.146	11.796	5.	5.	20.	30.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	73	1.	0.987	1.778	0.699	0.107	0.327	0.699	0.699	1.301	1.477
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			9.697								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/14/85-09/30/85	6	20.	25.833	60.	5.	424.167	20.595	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	05/14/85-09/30/85	6	1.301	1.28	1.778	0.699	0.154	0.392	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			19.064								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	05/14/85-09/30/85	6 ##	7.5	14.167	40.	5.	194.167	13.934	**	**	**	**
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	05/14/85-09/30/85	6 ##	0.849	1.	1.602	0.699	0.145	0.381	**	**	**	**
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			10.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0101

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	73	0	0.00	27	0	0.00	10	0	0.00	8	0	0.00	28	0	0.00
00400	PH	Other-Hi Lim.	9.	69	0	0.00	26	0	0.00	10	0	0.00	8	0	0.00	25	0	0.00
		Other-Lo Lim.	6.5	69	2	0.03	26	0	0.00	10	2	0.20	8	0	0.00	25	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	6	0	0.00							1	0	0.00	5	0	0.00
		Other-Lo Lim.	6.5	6	0	0.00							1	0	0.00	5	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	75	0	0.00	27	0	0.00	9	0	0.00	9	0	0.00	30	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	74	0	0.00	27	0	0.00	8	0	0.00	9	0	0.00	30	0	0.00
		Drinking Water	250.	74	0	0.00	27	0	0.00	8	0	0.00	9	0	0.00	30	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00							1	0	0.00	1	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	73	0	0.00	27	0	0.00	8	0	0.00	9	0	0.00	29	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1984 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	12	12.85	12.592	22.8	0.	54.223	7.364	0.81	6.	19.125	22.11
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	12	140.	136.25	160.	95.	350.568	18.723	102.5	122.5	150.	160.
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	12	9.55	9.733	12.4	7.2	3.299	1.816	7.26	7.925	11.55	12.31
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	11	18.	19.455	36.	11.	50.473	7.104	11.2	13.	22.	34.
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	11	7.6	7.591	8.2	7.1	0.099	0.314	7.14	7.4	7.8	8.16
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	11	7.6	7.499	8.2	7.1	0.108	0.329	7.14	7.4	7.8	8.16
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	11	0.025	0.032	0.079	0.006	0.	0.021	0.007	0.016	0.04	0.074
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	12	4.	5.417	24.	1.	35.902	5.992	1.3	3.25	4.75	18.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	12 ##	0.015	0.018	0.03	0.01	0.	0.009	0.01	0.01	0.028	0.03
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	12	0.4	0.4	0.6	0.2	0.009	0.095	0.23	0.4	0.4	0.57
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	12	0.1	0.128	0.3	0.02	0.006	0.08	0.032	0.08	0.2	0.27
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	12	0.025	0.033	0.08	0.02	0.	0.018	0.02	0.02	0.04	0.068
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	12	0.008	0.008	0.014	0.002	0.	0.004	0.003	0.005	0.012	0.014
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	12	2.	2.25	3.	2.	0.205	0.452	2.	2.	2.75	3.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	12	10.	15.417	50.	5.	188.447	13.728	5.	5.	20.	44.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	12	1.	1.048	1.699	0.699	0.129	0.358	0.699	0.699	1.301	1.632
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			11.164								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	11	11.6	11.873	20.	1.2	42.32	6.505	1.66	5.9	17.9	19.78
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	11	130.	127.364	150.	100.	162.455	12.746	104.	120.	131.	148.
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	11	9.5	9.364	12.2	7.4	2.231	1.494	7.48	8.1	10.2	11.98
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	11	21.	19.545	30.	7.	44.073	6.639	8.4	14.	23.	29.4
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	9	7.3	7.3	7.8	6.7	0.105	0.324	6.7	7.1	7.55	7.8
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	9	7.3	7.187	7.8	6.7	0.119	0.346	6.7	7.1	7.55	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	9	0.05	0.065	0.2	0.016	0.003	0.056	0.016	0.028	0.082	0.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	11	4.	3.455	6.	1.	2.673	1.635	1.2	2.	4.	6.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	11 ##	0.01	0.017	0.04	0.01	0.	0.01	0.01	0.01	0.02	0.038
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	11	0.4	0.436	0.8	0.2	0.023	0.15	0.22	0.4	0.5	0.74
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	11	0.1	0.113	0.2	0.08	0.002	0.044	0.08	0.09	0.1	0.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	11	0.03	0.029	0.04	0.01	0.	0.011	0.012	0.02	0.04	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	11	0.009	0.009	0.014	0.005	0.	0.003	0.005	0.006	0.013	0.014
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	11	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	11	10.	13.182	30.	5.	101.364	10.068	5.	5.	20.	30.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	11	1.	1.005	1.477	0.699	0.109	0.33	0.699	0.699	1.301	1.477
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.108								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	9	11.8	9.556	16.4	0.	42.883	6.548	0.	2.75	15.15	16.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	10	145.	145.	190.	120.	472.222	21.731	120.	127.5	160.	187.
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	9	10.6	10.378	14.	8.2	3.492	1.869	8.2	8.75	11.5	14.
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	10	13.	12.55	21.	2.5	33.358	5.776	3.05	8.75	16.5	21.
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	9	7.7	7.767	8.1	7.5	0.037	0.194	7.5	7.65	7.95	8.1
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	9	7.7	7.731	8.1	7.5	0.039	0.197	7.5	7.65	7.95	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	9	0.02	0.019	0.032	0.008	0.	0.007	0.008	0.011	0.023	0.032
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	10	2.5	2.9	6.	1.	2.544	1.595	1.	1.75	4.	5.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	10 ##	0.01	0.014	0.02	0.01	0.	0.005	0.01	0.01	0.02	0.02

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	10	0.35	0.33	0.4	0.2	0.007	0.082	0.2	0.275	0.4	0.4
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	10	0.095	0.114	0.3	0.04	0.006	0.078	0.043	0.07	0.125	0.29
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	10	0.02	0.022	0.04	0.02	0.	0.006	0.02	0.02	0.02	0.038
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	10	0.008	0.008	0.013	0.004	0.	0.003	0.004	0.006	0.01	0.013
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	10	2.	2.1	3.	2.	0.1	0.316	2.	2.	2.	2.9
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	9 ##	5.	13.889	30.	5.	123.611	11.118	5.	5.	25.	30.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	9 ##	0.699	1.006	1.477	0.699	0.136	0.369	0.699	0.699	1.389	1.477
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.132								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	11	5.2	7.691	20.	0.	61.505	7.843	0.	0.	15.	19.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	11	170.	169.091	190.	160.	89.091	9.439	160.	160.	170.	188.
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	11	11.8	11.127	13.8	8.5	2.838	1.685	8.64	9.7	12.4	13.58
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	11	7.	7.055	9.	3.	3.153	1.776	3.6	6.	8.6	9.
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	10	7.85	7.85	8.1	7.3	0.058	0.242	7.34	7.775	8.1	8.1
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	10	7.847	7.778	8.1	7.3	0.064	0.253	7.34	7.775	8.1	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	10	0.014	0.017	0.05	0.008	0.	0.012	0.008	0.008	0.017	0.047
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	11	2.	2.636	5.	1.	2.055	1.433	1.	1.	4.	4.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	11 ##	0.01	0.013	0.03	0.01	0.	0.006	0.01	0.01	0.01	0.028
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	11	0.2	0.245	0.4	0.2	0.005	0.069	0.2	0.2	0.3	0.38
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	11	0.05	0.104	0.3	0.01	0.011	0.103	0.01	0.01	0.2	0.28
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	10	0.02	0.02	0.03	0.01	0.	0.005	0.011	0.02	0.02	0.029
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	11	0.006	0.006	0.009	0.002	0.	0.002	0.002	0.004	0.008	0.009
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	11	2.	2.273	3.	2.	0.218	0.467	2.	2.	3.	3.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	10	10.	15.	40.	5.	172.222	13.123	5.	5.	30.	39.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	10	1.	1.035	1.602	0.699	0.13	0.36	0.699	0.699	1.477	1.59
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.845								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	9	4.	6.822	22.8	0.	72.064	8.489	0.	0.	14.3	22.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	9	170.	164.	176.	140.	139.	11.79	140.	155.	170.	176.
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	9	10.1	10.144	12.2	7.8	2.685	1.639	7.8	8.65	11.7	12.2
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	9	8.	9.278	22.	2.5	31.569	5.619	2.5	6.	12.	22.
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	9	7.6	7.589	8.	7.3	0.044	0.209	7.3	7.45	7.7	8.
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	9	7.6	7.549	8.	7.3	0.045	0.213	7.3	7.45	7.7	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	9	0.025	0.028	0.05	0.01	0.	0.012	0.01	0.02	0.036	0.05
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	9	2.	2.556	4.	2.	0.778	0.882	2.	2.	3.5	4.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	9 ##	0.01	0.021	0.07	0.01	0.001	0.023	0.01	0.01	0.03	0.07
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	9	0.2	0.256	0.5	0.1	0.018	0.133	0.1	0.15	0.35	0.5
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	9	0.1	0.146	0.3	0.01	0.012	0.109	0.01	0.05	0.25	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	9 ##	0.01	0.017	0.03	0.01	0.	0.009	0.01	0.01	0.025	0.03
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	9	0.008	0.007	0.011	0.004	0.	0.003	0.004	0.005	0.009	0.011
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	9	2.	2.333	3.	2.	0.25	0.5	2.	2.	3.	3.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	9 ##	5.	8.333	30.	5.	68.75	8.292	5.	5.	7.5	30.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	9 ##	0.699	0.819	1.477	0.699	0.071	0.266	0.699	0.699	0.849	1.477
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			6.59								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	7	7.	9.9	21.5	0.	60.287	7.764	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	9	162.	159.	177.	129.	286.75	16.934	129.	145.5	173.	177.
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	7	9.8	9.771	12.1	7.6	2.536	1.592	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	8	11.5	12.125	23.	6.	29.554	5.436	**	**	**	**
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	7	7.7	7.7	8.	7.2	0.067	0.258	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	7	7.7	7.624	8.	7.2	0.073	0.271	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	7	0.02	0.024	0.063	0.01	0.	0.018	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	9 ##	1.	1.889	6.	1.	2.611	1.616	1.	1.	2.	6.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	9 ##	0.01	0.019	0.07	0.01	0.	0.02	0.01	0.01	0.02	0.07
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	9	0.3	0.289	0.6	0.1	0.026	0.162	0.1	0.15	0.4	0.6
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	9	0.08	0.121	0.3	0.04	0.011	0.103	0.04	0.06	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	9 ##	0.01	0.014	0.03	0.01	0.	0.007	0.01	0.01	0.02	0.03
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	8	0.008	0.009	0.014	0.005	0.	0.003	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	9	3.	2.556	3.	2.	0.278	0.527	2.	2.	3.	3.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	9 ##	5.	11.667	30.	5.	87.5	9.354	5.	5.	20.	30.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	9 ##	0.699	0.953	1.477	0.699	0.105	0.324	0.699	0.699	1.301	1.477
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			8.967								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	11	4.5	7.418	21.8	0.	70.21	8.379	0.	0.2	14.6	21.54
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	10	147.5	151.6	187.	116.	467.156	21.614	117.9	138.	167.75	186.5
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	11	11.8	11.364	14.1	8.6	4.207	2.051	8.66	9.	13.	14.1
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	10	19.	16.95	32.	2.5	109.803	10.479	2.85	6.	27.25	31.6
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	11	7.6	7.464	8.1	6.4	0.321	0.566	6.4	7.4	7.9	8.06
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	11	7.6	7.042	8.1	6.4	0.516	0.718	6.4	7.4	7.9	8.06
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	11	0.025	0.091	0.398	0.008	0.023	0.152	0.009	0.013	0.04	0.398
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	8	3.	2.875	6.	1.	3.554	1.885	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	10 ##	0.01	0.02	0.08	0.01	0.001	0.023	0.01	0.01	0.018	0.076
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	7	0.3	0.3	0.5	0.1	0.017	0.129	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	10	0.1	0.137	0.3	0.01	0.014	0.117	0.012	0.03	0.3	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	7 ##	0.01	0.017	0.03	0.01	0.	0.01	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	10	0.006	0.007	0.013	0.005	0.	0.003	0.005	0.005	0.009	0.013
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	9	2.	2.333	3.	2.	0.25	0.5	2.	2.	3.	3.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	10	10.	15.	60.	5.	305.556	17.48	5.	5.	15.	57.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	10	1.	1.005	1.778	0.699	0.133	0.364	0.699	0.699	1.119	1.748
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.118								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	2	13.5	13.5	18.3	8.7	46.08	6.788	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	2	128.5	128.5	129.	128.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	2	9.	9.	10.2	7.8	2.88	1.697	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	2	26.5	26.5	34.	19.	112.5	10.607	**	**	**	**
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	2	7.65	7.65	7.8	7.5	0.045	0.212	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	2	7.625	7.625	7.8	7.5	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	2	0.024	0.024	0.032	0.016	0.	0.011	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	2	5.	5.	6.	4.	2.	1.414	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	2	0.021	0.021	0.022	0.02	0.	0.001	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	2	0.6	0.6	0.7	0.5	0.02	0.141	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	2	0.01	0.01	0.014	0.006	0.	0.006	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	2	10.	10.	10.	10.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	2	1.	1.	1.	1.	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	1	15.5	15.5	15.5	15.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	1	0.019	0.019	0.019	0.019	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	27	7.	8.219	17.	0.	28.675	5.355	0.96	4.8	13.5	15.38
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	27	150.	152.704	190.	120.	329.293	18.146	128.	139.	170.	170.4
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	27	10.1	10.363	14.	7.8	2.556	1.599	8.44	8.9	11.9	12.2
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	26	13.	14.519	32.	2.5	63.13	7.945	6.7	7.75	21.25	27.
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	26	7.6	7.623	8.1	7.	0.074	0.272	7.17	7.5	7.825	8.
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	26	7.6	7.535	8.1	7.	0.082	0.286	7.17	7.5	7.825	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	26	0.025	0.029	0.1	0.008	0.	0.022	0.01	0.015	0.032	0.068
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	27	2.	2.519	4.	1.	1.567	1.252	1.	1.	4.	4.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	27 ##	0.01	0.011	0.03	0.01	0.	0.005	0.01	0.01	0.01	0.02
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	26	0.3	0.296	0.5	0.1	0.016	0.125	0.1	0.2	0.4	0.5
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	27	0.1	0.098	0.2	0.01	0.003	0.059	0.01	0.06	0.1	0.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	26	0.02	0.02	0.08	0.01	0.	0.014	0.01	0.01	0.02	0.033
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	27	0.007	0.007	0.014	0.002	0.	0.003	0.004	0.005	0.009	0.011
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	27	2.	2.37	3.	2.	0.242	0.492	2.	2.	3.	3.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	27	10.	12.963	50.	5.	133.191	11.541	5.	5.	20.	30.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	27	1.	0.985	1.699	0.699	0.102	0.32	0.699	0.699	1.301	1.477
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			9.662								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	10	0.	0.08	0.8	0.	0.064	0.253	0.	0.	0.	0.72
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	9	170.	171.	187.	160.	97.	9.849	160.	160.	179.	187.
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	10	12.3	11.76	14.1	8.5	3.394	1.842	8.63	9.95	13.05	14.1
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	9	6.	7.056	12.	2.5	10.653	3.264	2.5	4.5	10.	12.
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	10	7.35	7.27	7.9	6.4	0.26	0.51	6.4	7.	7.65	7.89
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	10	7.347	6.961	7.9	6.4	0.366	0.605	6.4	7.	7.65	7.89
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	10	0.045	0.109	0.398	0.013	0.023	0.153	0.013	0.023	0.147	0.398
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	9	2.	2.111	4.	1.	0.861	0.928	1.	1.5	2.5	4.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	9	0.03	0.034	0.07	0.01	0.001	0.025	0.01	0.01	0.06	0.07
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	9	0.2	0.222	0.3	0.1	0.004	0.067	0.1	0.2	0.3	0.3
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	9	0.3	0.278	0.3	0.2	0.002	0.044	0.2	0.25	0.3	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	8 ##	0.015	0.015	0.02	0.01	0.	0.005	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	9	0.008	0.007	0.011	0.004	0.	0.003	0.004	0.005	0.01	0.011
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	8	2.5	2.5	3.	2.	0.286	0.535	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	8 ##	5.	8.75	30.	5.	76.786	8.763	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	8 ##	0.699	0.834	1.477	0.699	0.079	0.28	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			6.821								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	8	3.1	2.95	8.7	0.	8.843	2.974	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	9	140.	146.	177.	116.	410.75	20.267	116.	129.5	165.	177.
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	8	11.75	11.95	13.8	10.2	1.34	1.158	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	9	12.	12.389	28.	2.5	57.486	7.582	2.5	7.	16.5	28.
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	8	7.65	7.612	7.8	7.3	0.038	0.196	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	8	7.647	7.572	7.8	7.3	0.04	0.201	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	8	0.023	0.027	0.05	0.016	0.	0.013	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	8	2.5	3.25	6.	1.	3.643	1.909	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	9 ##	0.01	0.021	0.08	0.01	0.001	0.023	0.01	0.01	0.021	0.08

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	7	0.2	0.286	0.5	0.1	0.021	0.146	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	9	0.2	0.211	0.3	0.1	0.006	0.078	0.1	0.15	0.3	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	7	0.02	0.023	0.03	0.01	0.	0.008	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	8	0.007	0.006	0.01	0.002	0.	0.002	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	9	2.	2.222	3.	2.	0.194	0.441	2.	2.	2.5	3.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	9 ##	5.	5.556	10.	5.	2.778	1.667	5.	5.	5.	10.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	9 ##	0.699	0.732	1.	0.699	0.01	0.1	0.699	0.699	0.699	1.
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			5.4								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/84-06/08/94	28	17.7	16.457	22.8	5.	22.962	4.792	7.86	13.75	20.	21.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/84-06/08/94	30	137.5	140.	190.	95.	479.517	21.898	120.	126.	158.5	169.2
00300	OXYGEN, DISSOLVED MG/L	04/03/84-06/08/94	28	8.85	9.071	12.1	7.2	1.716	1.31	7.4	7.875	10.1	11.04
00335	COD, .025N K2CR2O7 MG/L	04/03/84-06/08/94	28	17.5	17.236	36.	6.	66.741	8.17	6.	9.25	22.5	30.4
00400	PH (STANDARD UNITS)	04/03/84-06/08/94	25	7.7	7.712	8.2	6.7	0.116	0.341	7.3	7.5	8.	8.1
00400	CONVERTED PH (STANDARD UNITS)	04/03/84-06/08/94	25	7.7	7.548	8.2	6.7	0.144	0.38	7.3	7.5	8.	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/84-06/08/94	25	0.02	0.028	0.2	0.006	0.001	0.038	0.008	0.01	0.032	0.05
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/03/84-06/08/94	29	4.	4.276	24.	1.	17.135	4.14	1.	2.	5.	6.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/03/84-06/08/94	30 ##	0.01	0.016	0.04	0.01	0.	0.008	0.01	0.01	0.02	0.03
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/84-06/08/94	30	0.4	0.417	0.8	0.2	0.016	0.126	0.3	0.3	0.425	0.6
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/03/84-06/08/94	30	0.08	0.068	0.1	0.01	0.001	0.029	0.021	0.048	0.093	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/84-06/08/94	30	0.03	0.028	0.04	0.01	0.	0.01	0.011	0.02	0.04	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/84-06/08/94	30	0.009	0.009	0.014	0.004	0.	0.003	0.005	0.006	0.013	0.014
00940	CHLORIDE,TOTAL IN WATER MG/L	04/03/84-06/08/94	30	2.	2.1	3.	2.	0.093	0.305	2.	2.	2.	2.9
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/03/84-06/08/94	29	10.	17.069	60.	5.	174.138	13.196	5.	5.	25.	30.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/03/84-06/08/94	29	1.	1.109	1.778	0.699	0.115	0.339	0.699	0.699	1.389	1.477
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			12.856								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0102

NPS Station ID: SACN0102
LAT/LON: 45.933337/ -92.033338
Agency: 112WRD
Date Created: 09/30/89
Location: MCKENZIE LAKE NEAR SPOONER, WI
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 05333000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 16.80
On/Off RF1:
RF3 Index: 07030001149700.27
RF3 Mile Point: 0.26
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	04/24/85-09/01/89	56	0.82	2.159	11.54	-0.33	18.751	4.33	0.094	0.275	-0.28	11.298
00078	TRANSPARENCY, SECCHI DISC (METERS)	04/24/85-09/01/89	56	2.795	2.898	4.6	1.22	0.982	0.991	1.576	2.1	3.7	4.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Annual Analysis for 1985 - Station SACN0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	04/24/85-09/01/89	10	11.31	11.338	11.54	11.15	0.016	0.127	11.155	11.245	11.438	11.535
00078	TRANSPARENCY, SECCHI DISC (METERS)	04/24/85-09/01/89	16	3.55	3.481	4.6	2.1	0.598	0.773	2.31	2.775	4.075	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	04/24/85-09/01/89	11	0.6	0.645	0.96	0.42	0.028	0.168	0.44	0.54	0.7	0.956
00078	TRANSPARENCY, SECCHI DISC (METERS)	04/24/85-09/01/89	11	2.4	2.891	4.3	1.8	0.723	0.85	1.86	2.4	3.7	4.28

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	04/24/85-09/01/89	12	0.17	0.14	0.34	-0.03	0.015	0.124	0.006	0.05	0.285	0.081
00078	TRANSPARENCY, SECCHI DISC (METERS)	04/24/85-09/01/89	9	3.1	2.922	4.6	1.5	1.344	1.16	1.5	1.65	3.85	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	04/24/85-09/01/89	16	-0.225	-0.176	0.26	-0.33	0.028	0.167	0.23	-0.148	-0.28	-0.316
00078	TRANSPARENCY, SECCHI DISC (METERS)	04/24/85-09/01/89	14	2.055	2.176	3.73	1.22	0.538	0.733	1.26	1.52	2.665	3.465

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00065	STAGE, STREAM (FEET)	04/24/85-09/01/89	7	0.35	0.224	0.44	-0.08	0.036	0.191	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	04/24/85-09/01/89	6	2.7	3.	4.6	1.8	1.452	1.205	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0103

NPS Station ID: SACN0103
LAT/LON: 45.836670/ -92.034171
Agency: 112WRD
Date Created: 08/01/87
Location: YELLOW RIVER NEAR SPOONER, WI
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05334270
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 16.40
On/Off RF1:
RF3 Index: 07030001149503.02
RF3 Mile Point: 7.18
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/86-08/28/86	1	15.2	15.2	15.2	15.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/86-08/28/86	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/28/86-08/28/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/28/86-08/28/86	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/28/86-08/28/86	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/86-08/28/86	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/28/86-08/28/86	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/28/86-08/28/86	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/86-08/28/86	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/28/86-08/28/86	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/86-08/28/86	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/86-08/28/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/86-08/28/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/28/86-08/28/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/86-08/28/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/86-08/28/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/28/86-08/28/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/86-08/28/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/28/86-08/28/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/86-08/28/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/86-08/28/86	1	98.	98.	98.	98.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/28/86-08/28/86	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/28/86-08/28/86	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/86-08/28/86	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/28/86-08/28/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/28/86-08/28/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/86-08/28/86	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/86-08/28/86	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/86-08/28/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/28/86-08/28/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/28/86-08/28/86	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/28/86-08/28/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/28/86-08/28/86	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/28/86-08/28/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/28/86-08/28/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/28/86-08/28/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/28/86-08/28/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/28/86-08/28/86	1	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01044	IRON, SUSPENDED (UG/L AS FE)	08/28/86-08/28/86	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/28/86-08/28/86	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/28/86-08/28/86	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/28/86-08/28/86	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/28/86-08/28/86	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/86-08/28/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/28/86-08/28/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/28/86-08/28/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/28/86-08/28/86	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/28/86-08/28/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/28/86-08/28/86	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/28/86-08/28/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/28/86-08/28/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/28/86-08/28/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/28/86-08/28/86	1	130.	130.	130.	130.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/28/86-08/28/86	1	124.	124.	124.	124.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/28/86-08/28/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/28/86-08/28/86	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/28/86-08/28/86	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/28/86-08/28/86	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/28/86-08/28/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0103

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0103

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0104

NPS Station ID: SACN0104 | LAT/LON: 45.919726/ -92.035837 | Agency: 21WIS | Date Created: 09/13/86
Location: BIG MCKENZIE LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 073037 /8270AG073037/4014W253037
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 71 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 0 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 20.20 | On/Off RF1:
RF3 Index: 07030005115700.00 | RF3 Mile Point: 0.60 | Distance from RF3: 0.33 | On/Off RF3:
Description:
STATION FOR JIM VENNIE OF CENTRAL OFFICE (608)256-2212 LONG TERM AMBIENT LAKE MONITORING

Parameter Inventory for Station: SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	115	10.5	11.53	26.5	0.	49.465	7.033	3.5	5.4	16.	22.88
00032	CLOUD COVER (PERCENT)	07/15/86-03/16/95	36	50.	48.611	100.	0.	1810.873	42.554	0.	0.	100.	100.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/11/88-07/11/88	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/28/86-04/28/94	19	0.8	2.4	14.	0.5	17.53	4.187	0.5	0.6	1.1	14.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/15/86-08/22/94	28	3.	3.025	6.8	1.2	1.677	1.295	1.47	1.85	3.775	4.49
00080	COLOR (PLATINUM-COBALT UNITS)	10/28/86-04/28/94	19	5.	11.842	50.	5.	192.251	13.865	5.	5.	10.	50.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/87-04/28/94	17	156.	176.941	280.	150.	2000.059	44.722	150.	151.5	170.	280.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	03/13/95-03/16/95	2	9.	9.	9.	9.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	115	1.4	4.623	12.2	0.	23.105	4.807	0.1	0.2	9.6	11.3
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	112	7.5	7.614	8.7	7.	0.224	0.473	7.1	7.3	7.9	8.4
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	112	7.5	7.428	8.7	7.	0.259	0.509	7.1	7.3	7.9	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	112	0.032	0.037	0.1	0.002	0.001	0.028	0.004	0.013	0.05	0.079
00403	PH, LAB, STANDARD UNITS SU	10/28/86-04/28/94	20	7.85	7.87	8.5	7.6	0.041	0.203	7.6	7.8	7.975	8.09
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/86-04/28/94	20	7.847	7.832	8.5	7.6	0.043	0.207	7.6	7.8	7.975	8.09
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/86-04/28/94	20	0.014	0.015	0.025	0.003	0.	0.006	0.008	0.011	0.016	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/28/86-04/28/94	19	73.	83.789	140.	68.	515.62	22.707	70.	72.	83.	140.
00500	RESIDUE, TOTAL (MG/L)	10/28/86-04/28/94	17	108.	121.412	184.	102.	753.382	27.448	103.6	106.	120.	184.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/13/88-04/28/94	13	32.	30.923	38.	22.	31.077	5.575	22.8	26.	36.	38.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/28/86-04/28/94	17	2.	2.294	7.	1.	2.346	1.532	1.	1.	3.	4.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/28/86-04/28/94	18	0.014	0.255	1.7	0.005	0.322	0.568	0.01	0.01	0.039	1.7
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/28/86-04/28/94	17	0.3	0.565	2.	0.2	0.341	0.584	0.2	0.3	0.4	2.
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/28/86-04/28/94	16	0.02	0.03	0.08	0.004	0.001	0.026	0.004	0.01	0.055	0.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	110	0.022	0.075	0.54	0.005	0.011	0.105	0.009	0.014	0.087	0.205
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/28/86-04/28/94	18	0.004	0.004	0.008	0.001	0.	0.002	0.002	0.002	0.005	0.008
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/91-04/11/91	2	76.5	76.5	78.	75.	4.5	2.121	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/28/86-04/28/94	19	21.	21.789	30.	18.	14.953	3.867	18.	19.	22.	30.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/28/86-04/28/94	19	6.	6.316	8.	5.	0.673	0.82	6.	6.	6.	8.
00929	SODIUM, TOTAL (MG/L AS NA)	10/28/86-04/28/94	19	3.	3.	5.	2.	0.667	0.816	2.	3.	3.	5.
00937	POTASSIUM, TOTAL MG/L AS K)	10/28/86-04/28/94	19	0.74	0.765	1.2	0.5	0.045	0.212	0.5	0.68	0.84	1.2
00940	CHLORIDE,TOTAL IN WATER MG/L	10/28/86-04/28/94	19	2.	2.579	4.	2.	0.48	0.692	2.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/28/86-04/28/94	17	4.	3.588	5.	2.5	1.039	1.019	2.5	2.5	4.5	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	10/28/86-04/28/94	16	89.	369.438	4600.	20.	1276057.463	1129.627	20.	45.	110.	1562.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/15/86-08/22/94	38	5.685	8.498	30.	0.72	56.744	7.533	2.	3.	11.65	19.6
74010	IRON, TOTAL (MG/L AS FE)	10/28/86-04/28/94	19	0.06	0.159	1.	0.025	0.061	0.247	0.025	0.05	0.13	0.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0104

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	19	0	0.00	2	0	0.00				7	0	0.00	10	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	115	64	0.56	29	18	0.62	6	3	0.50	19	8	0.42	61	35	0.57
00400	PH	Other-Hi Lim.	9.	112	0	0.00	26	0	0.00	6	0	0.00	19	0	0.00	61	0	0.00
		Other-Lo Lim.	6.5	112	0	0.00	26	0	0.00	6	0	0.00	19	0	0.00	61	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	20	0	0.00	3	0	0.00				7	0	0.00	10	0	0.00
		Other-Lo Lim.	6.5	20	0	0.00	3	0	0.00				7	0	0.00	10	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	16	0	0.00	2	0	0.00				5	0	0.00	9	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	19	0	0.00	2	0	0.00				7	0	0.00	10	0	0.00
		Drinking Water	250.	19	0	0.00	2	0	0.00				7	0	0.00	10	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	17	0	0.00	2	0	0.00				7	0	0.00	8	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1986 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	8	13.15	14.938	23.	9.5	22.963	4.792	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	8	5.4	5.5	10.	0.5	16.423	4.053	**	**	**	**
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	8	7.55	7.65	8.5	7.1	0.263	0.513	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	8	7.525	7.455	8.5	7.1	0.306	0.553	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	8	0.03	0.035	0.079	0.003	0.001	0.028	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	8	0.03	0.094	0.39	0.02	0.017	0.129	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	13	10.9	13.131	26.5	1.	66.299	8.142	2.6	5.9	20.65	25.9
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	13	0.4	4.731	12.2	0.1	27.119	5.208	0.1	0.15	9.7	11.96
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.5	7.762	8.7	7.1	0.298	0.545	7.14	7.4	8.35	8.66
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.5	7.539	8.7	7.1	0.351	0.593	7.14	7.4	8.35	8.66
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	13	0.032	0.029	0.079	0.002	0.001	0.024	0.002	0.005	0.04	0.073
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	13	0.019	0.109	0.5	0.008	0.021	0.147	0.008	0.016	0.168	0.412

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	14	10.35	11.407	24.2	0.	52.918	7.274	2.	5.	17.05	22.85
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	14	0.3	3.679	12.2	0.1	20.62	4.541	0.1	0.2	8.175	11.2
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	14	7.4	7.621	8.7	7.1	0.251	0.501	7.1	7.3	7.925	8.55
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	14	7.4	7.443	8.7	7.1	0.285	0.534	7.1	7.3	7.925	8.55
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	14	0.04	0.036	0.079	0.002	0.001	0.025	0.003	0.013	0.05	0.079
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	14	0.025	0.096	0.54	0.009	0.021	0.145	0.01	0.015	0.12	0.382

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	13	9.	10.708	22.8	0.5	51.324	7.164	1.9	5.75	16.45	22.48
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	13	0.3	4.131	12.2	0.1	24.947	4.995	0.14	0.2	9.8	11.44
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.2	7.538	8.7	7.	0.339	0.582	7.	7.1	7.9	8.66
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.2	7.311	8.7	7.	0.395	0.629	7.	7.1	7.9	8.66
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	13	0.063	0.049	0.1	0.002	0.001	0.036	0.002	0.013	0.079	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	13	0.018	0.057	0.22	0.006	0.005	0.073	0.008	0.012	0.09	0.209

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	13	11.9	11.777	24.	0.	53.755	7.332	1.6	4.5	17.	23.6
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	13	1.8	4.915	12.2	0.	26.99	5.195	0.	0.2	10.4	11.84
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	10	7.4	7.53	8.6	7.1	0.22	0.469	7.1	7.175	7.775	8.54

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	10	7.389	7.379	8.6	7.1	0.245	0.495	7.1	7.175	7.775	8.54
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	10	0.041	0.042	0.079	0.003	0.001	0.027	0.003	0.017	0.067	0.079
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	11	0.022	0.048	0.206	0.008	0.004	0.061	0.009	0.012	0.056	0.187

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	13	9.2	10.492	23.	0.	59.526	7.715	1.32	3.75	16.7	23.
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	13	1.2	4.569	12.	0.2	22.124	4.704	0.2	0.4	8.75	11.4
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.6	7.623	8.4	7.	0.2	0.448	7.	7.25	7.95	8.36
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.6	7.438	8.4	7.	0.237	0.487	7.	7.25	7.95	8.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	13	0.025	0.036	0.1	0.004	0.001	0.033	0.004	0.011	0.057	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	11	0.017	0.032	0.149	0.008	0.002	0.043	0.008	0.009	0.031	0.134

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	13	9.2	10.769	20.2	0.	46.266	6.802	1.24	4.	17.1	20.2
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	13	0.6	4.585	11.2	0.1	24.551	4.955	0.1	0.2	9.65	11.2
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.5	7.708	8.5	7.3	0.181	0.425	7.3	7.4	8.	8.5
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.5	7.569	8.5	7.3	0.202	0.449	7.3	7.4	8.	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	13	0.032	0.027	0.05	0.003	0.	0.017	0.003	0.01	0.04	0.05
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	13	0.052	0.077	0.22	0.006	0.006	0.08	0.006	0.012	0.171	0.205

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	13	9.	11.123	24.	3.8	43.054	6.562	4.28	5.7	15.6	23.4
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	13	0.8	4.746	11.6	0.1	26.859	5.183	0.1	0.1	10.05	11.6
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.5	7.592	8.3	7.	0.182	0.427	7.	7.2	7.95	8.22
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.5	7.415	8.3	7.	0.216	0.465	7.	7.2	7.95	8.22
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	13	0.032	0.038	0.1	0.005	0.001	0.034	0.006	0.011	0.065	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	13	0.046	0.095	0.4	0.007	0.016	0.128	0.008	0.015	0.142	0.364

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	13	11.3	12.185	24.	0.8	49.771	7.055	2.16	7.	17.35	23.6
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	13	1.4	4.962	11.3	0.1	26.921	5.189	0.1	0.1	10.2	11.1
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.5	7.531	8.4	7.	0.217	0.466	7.04	7.15	7.8	8.4
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	13	7.5	7.366	8.4	7.	0.247	0.497	7.04	7.15	7.8	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	13	0.032	0.043	0.1	0.004	0.001	0.031	0.004	0.018	0.071	0.092
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	13	0.024	0.07	0.306	0.005	0.008	0.087	0.007	0.013	0.112	0.245

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1995 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	2	2.15	2.15	4.3	0.	9.245	3.041	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	2	5.95	5.95	11.8	0.1	68.445	8.273	**	**	**	**
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	2	7.4	7.4	7.5	7.3	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	2	7.389	7.389	7.5	7.3	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	2	0.041	0.041	0.05	0.032	0.	0.013	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	1	0.026	0.026	0.026	0.026	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	29	12.7	14.662	24.	9.	25.855	5.085	9.2	10.5	20.2	22.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/28/86-04/28/94	2	1.05	1.05	1.1	1.	0.005	0.071	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/28/86-04/28/94	2	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	29	0.5	3.621	10.4	0.	17.561	4.191	0.1	0.15	8.2	10.
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	26	7.5	7.638	8.7	7.	0.322	0.567	7.	7.1	8.3	8.56
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	26	7.5	7.389	8.7	7.	0.386	0.622	7.	7.1	8.3	8.56
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	26	0.032	0.041	0.1	0.002	0.001	0.034	0.003	0.005	0.079	0.1
00403	PH, LAB, STANDARD UNITS SU	10/28/86-04/28/94	3	7.8	7.967	8.5	7.6	0.223	0.473	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/86-04/28/94	3	7.8	7.832	8.5	7.6	0.25	0.5	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/86-04/28/94	3	0.016	0.015	0.025	0.003	0.	0.011	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/28/86-04/28/94	2	69.	69.	70.	68.	2.	1.414	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/28/86-04/28/94	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/28/86-04/28/94	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	27	0.052	0.15	0.54	0.013	0.025	0.158	0.018	0.021	0.22	0.42
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/28/86-04/28/94	2	0.006	0.006	0.007	0.005	0.	0.001	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/28/86-04/28/94	2	18.5	18.5	19.	18.	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/28/86-04/28/94	2	6.	6.	6.	6.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/28/86-04/28/94	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/28/86-04/28/94	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/28/86-04/28/94	2	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/28/86-04/28/94	2 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/15/86-08/22/94	9	16.1	18.811	30.	11.	58.991	7.681	11.	12.1	27.5	30.
74010	IRON, TOTAL (MG/L AS FE)	10/28/86-04/28/94	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	6	2.5	2.45	5.2	0.	4.855	2.203	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	6	5.95	6.117	12.2	0.1	41.59	6.449	**	**	**	**
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	6	7.5	7.5	7.8	7.2	0.056	0.237	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	6	7.489	7.448	7.8	7.2	0.059	0.243	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	6	0.032	0.036	0.063	0.016	0.	0.019	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	6	0.02	0.041	0.152	0.012	0.003	0.055	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/15/86-08/22/94	2	4.	4.	6.	2.	8.	2.828	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	19	4.	3.379	6.6	0.	4.648	2.156	0.	0.8	5.	6.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/28/86-04/28/94	7	0.7	4.629	14.	0.5	41.249	6.423	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/28/86-04/28/94	7	5.	17.857	50.	5.	482.143	21.958	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/87-04/28/94	7	165.	192.143	280.	150.	3665.476	60.543	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	19	10.2	6.463	12.2	0.1	29.956	5.473	0.1	0.3	11.3	12.
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	19	7.5	7.511	8.	7.1	0.055	0.235	7.1	7.4	7.6	7.9
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	19	7.5	7.452	8.	7.1	0.059	0.243	7.1	7.4	7.6	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	19	0.032	0.035	0.079	0.01	0.	0.019	0.013	0.025	0.04	0.079
00403	PH, LAB, STANDARD UNITS SU	10/28/86-04/28/94	7	7.8	7.743	7.9	7.6	0.013	0.113	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/86-04/28/94	7	7.8	7.73	7.9	7.6	0.013	0.114	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/86-04/28/94	7	0.016	0.019	0.025	0.013	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/28/86-04/28/94	7	79.	93.714	140.	70.	1020.238	31.941	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/28/86-04/28/94	7	0.022	0.504	1.7	0.01	0.668	0.817	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/28/86-04/28/94	5	0.03	0.042	0.08	0.01	0.001	0.028	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	18	0.016	0.037	0.182	0.005	0.002	0.046	0.007	0.008	0.069	0.092
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/28/86-04/28/94	7	0.003	0.004	0.008	0.002	0.	0.003	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/28/86-04/28/94	7	20.	22.429	30.	18.	27.619	5.255	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/28/86-04/28/94	7	6.	6.429	8.	5.	1.286	1.134	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/28/86-04/28/94	7	3.	3.143	5.	2.	1.81	1.345	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/28/86-04/28/94	7	0.77	0.809	1.2	0.5	0.085	0.292	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/28/86-04/28/94	7	2.	2.286	3.	2.	0.238	0.488	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/28/86-04/28/94	4	93.	124.25	260.	51.	8774.917	93.675	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/15/86-08/22/94	5	3.	3.24	5.	0.72	3.295	1.815	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/28/86-04/28/94	7 ##	0.05	0.186	0.5	0.025	0.047	0.217	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/86-03/16/95	61	11.3	13.472	26.5	3.1	42.26	6.501	5.52	8.55	19.35	23.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/28/86-04/28/94	10	0.8	1.11	4.5	0.5	1.443	1.201	0.51	0.6	0.925	4.15
00080	COLOR (PLATINUM-COBALT UNITS)	10/28/86-04/28/94	10	7.5	8.5	15.	5.	16.944	4.116	5.	5.	11.25	15.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/08/87-04/28/94	10	156.	166.3	245.	151.	806.456	28.398	151.1	152.	168.5	237.5
00300	OXYGEN, DISSOLVED MG/L	07/15/86-03/16/95	61	1.4	4.38	12.2	0.1	21.41	4.627	0.1	0.2	9.25	10.56
00400	PH (STANDARD UNITS)	07/15/86-03/16/95	61	7.5	7.648	8.7	7.	0.253	0.503	7.1	7.25	8.	8.5
00400	CONVERTED PH (STANDARD UNITS)	07/15/86-03/16/95	61	7.5	7.436	8.7	7.	0.298	0.546	7.1	7.25	8.	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/86-03/16/95	61	0.032	0.037	0.1	0.002	0.001	0.029	0.003	0.01	0.057	0.079
00403	PH, LAB, STANDARD UNITS SU	10/28/86-04/28/94	10	7.9	7.93	8.1	7.8	0.009	0.095	7.8	7.875	8.	8.09
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/86-04/28/94	10	7.9	7.921	8.1	7.8	0.009	0.095	7.8	7.875	8.	8.09
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/86-04/28/94	10	0.013	0.012	0.016	0.008	0.	0.003	0.008	0.01	0.013	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/28/86-04/28/94	10	73.5	79.8	119.	72.	207.956	14.421	72.	72.	81.5	115.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/28/86-04/28/94	9	0.013	0.116	0.93	0.005	0.093	0.305	0.005	0.01	0.025	0.93
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/28/86-04/28/94	9	0.02	0.029	0.08	0.004	0.001	0.026	0.004	0.007	0.05	0.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/86-03/13/95	59	0.019	0.057	0.31	0.006	0.005	0.07	0.009	0.012	0.072	0.179
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/28/86-04/28/94	9	0.003	0.003	0.005	0.001	0.	0.001	0.001	0.002	0.004	0.005
00916	CALCIUM, TOTAL (MG/L AS CA)	10/28/86-04/28/94	10	21.5	22.	30.	20.	8.667	2.944	20.	20.	22.	29.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/28/86-04/28/94	10	6.	6.3	8.	6.	0.456	0.675	6.	6.	6.25	7.9
00929	SODIUM, TOTAL (MG/L AS NA)	10/28/86-04/28/94	10	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
00937	POTASSIUM, TOTAL MG/L AS K)	10/28/86-04/28/94	10	0.755	0.788	1.1	0.68	0.016	0.126	0.68	0.688	0.843	1.075
00940	CHLORIDE,TOTAL IN WATER MG/L	10/28/86-04/28/94	10	3.	2.9	4.	2.	0.544	0.738	2.	2.	3.25	4.
01055	MANGANESE, TOTAL (UG/L AS MN)	10/28/86-04/28/94	10	102.	537.4	4600.	20.	2038638.044	1427.809	22.3	73.	112.5	4152.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/15/86-08/22/94	22	5.	5.883	17.9	1.42	15.238	3.904	2.	3.	7.	12.452
74010	IRON, TOTAL (MG/L AS FE)	10/28/86-04/28/94	10	0.075	0.162	1.	0.025	0.088	0.296	0.025	0.051	0.1	0.913

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0105

NPS Station ID: SACN0105 LAT/LON: 45.919726/ -92.035837 Agency: 21WITIS Date Created: 08/01/87
Location: BIG MCKENZIE LAKE FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE STORET Station ID(s): 075001 /8270MA075001/4014W255001 /2706800
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030002 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030002 RF1 Mile Point: 0.000 Distance from RF1: 0.70 On/Off RF1:
RF3 Index: 07030001001601.47 RF3 Mile Point: 1.47 Distance from RF3: 0.02 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	04/21/86-04/21/86	3	1.39	2.743	6.02	0.82	8.134	2.852	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	04/21/86-04/21/86	3	16.2	18.067	24.5	13.5	32.863	5.733	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/21/86-04/21/86	3	0.17	0.193	0.31	0.1	0.011	0.107	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0106

NPS Station ID: SACN0106
LAT/LON: 46.107337/ -92.039003
Agency: 21WIL
Date Created: 08/29/92
Location: UNNAMED (4213W19)
FIPS State/County: 55129 WISCONSIN/WASHBURN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 664040 /8270AG664040/4213W194040
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 17
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 16.10
On/Off RF1:
RF3 Index: 07030002021900.00
RF3 Mile Point: 0.03
Distance from RF3: 0.19
On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/19/79-07/19/79	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	07/19/79-07/19/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/79-07/19/79	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/19/79-07/19/79	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/79-07/19/79	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/19/79-07/19/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/19/79-07/19/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/19/79-07/19/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/79-07/19/79	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/79-07/19/79	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.74	0.74	0.74	0.74	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/19/79-07/19/79	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/19/79-07/19/79	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/79-07/19/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/19/79-07/19/79	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/79-07/19/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/19/79-07/19/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/19/79-07/19/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/79-07/19/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/19/79-07/19/79	1	11.87	11.87	11.87	11.87	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/19/79-07/19/79	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0106

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0106

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0107

NPS Station ID: SACN0107
LAT/LON: 45.851504/ -92.042338
Agency: 21WIL
Date Created: 08/29/92
Location: BASS LAKE (3914W24)
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 074004 /8270AG074004/3914W244004
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 27
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 8.10
On/Off RF1:
RF3 Index: 07030001161903.00
RF3 Mile Point: 5.38
Distance from RF3: 0.19
On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/12/79-08/12/79	2	68.	68.	68.	68.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/12/79-08/12/79	2	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/12/79-08/12/79	2	1.4	1.4	1.6	1.2	0.08	0.283	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/12/79-08/12/79	2	144.	144.	144.	144.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/79-08/12/79	2	58.	58.	64.	52.	72.	8.485	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/12/79-08/12/79	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/79-08/12/79	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/79-08/12/79	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/79-08/12/79	2	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/79-08/12/79	2	15.5	15.5	17.	14.	4.5	2.121	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/12/79-08/12/79	2	0.765	0.765	0.87	0.66	0.022	0.148	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/12/79-08/12/79	2	0.46	0.46	0.59	0.33	0.034	0.184	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	2	0.26	0.26	0.29	0.23	0.002	0.042	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	2 ##	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/12/79-08/12/79	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/12/79-08/12/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/12/79-08/12/79	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/12/79-08/12/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/12/79-08/12/79	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/12/79-08/12/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/79-08/12/79	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/79-08/12/79	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/12/79-08/12/79	2	7.86	7.86	7.86	7.86	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/12/79-08/12/79	2 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0107

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0107

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0108

NPS Station ID: SACN0108
LAT/LON: 45.880503/ -92.042670
Agency: 21WITIS
Date Created: 11/14/92
Location: LIPSETT LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 075021 /8270MA075021/3914W125021
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030002040200.00
RF3 Mile Point: 6.52
Distance from RF3: 0.10
On/Off RF3:
Description:
STATION FOR JIM AMRHEIN OF MADISON (608)266-5325 FISH CONTAMINANT MONITORING PROGRAM

Parameter Inventory for Station: SACN0108

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0109

NPS Station ID: SACN0109
LAT/LON: 45.936337/ -92.043337
Agency: 21WITIS
Date Created: 11/14/92
Location: MIDDLE MCKENZIE LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 075022 /8270MA075022/4014W245022
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 22.40
On/Off RF1:
RF3 Index: 07030001149800.97
RF3 Mile Point: 0.97
Distance from RF3: 0.08
On/Off RF3:
Description:
STATION FOR JIM AMRHEIN OF MADISON (608)266-5325 FISH CONTAMINANT MONITORING PROGRAM

Parameter Inventory for Station: SACN0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0110

NPS Station ID: SACN0110
LAT/LON: 46.084171/ -92.046670
Agency: 11NATDC
Date Created: 07/13/85
Location: ST. CROIX R AT ST. CROIX FALLS
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): T0705206 /2399
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI R
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX
ECO Region:
RF1 Index: 07030001024
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030005002704.35
RF3 Mile Point: 5.41
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0110

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0111

NPS Station ID: SACN0111
LAT/LON: 46.083809/ -92.046866
Agency: 21WIS
Date Created: / /
Location: NAMEKAGON R AT NAMEKAGON TRAIL
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 073002 /8270AA073002
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 20
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002019
RF1 Mile Point: 2.880
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030001002100.61
RF3 Mile Point: 1.03
Distance from RF3: 0.07
On/Off RF3:
Description:
NAMEKEGON R AT FIRST BRIDGE UPSTREAM FROM CONFLUENCE WITH ST. CROIX R. DRAINAGE AREA APPROX 1060 SQ MILES.

Parameter Inventory for Station: SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	132	9.9	10.141	26.	0.	68.366	8.268	0.	1.	17.65	21.97
00023	SAMPLE WEIGHT IN POUNDS	07/15/79-09/21/82	12	1.31	1.446	3.96	0.55	0.834	0.913	0.595	0.97	1.335	3.492
00024	SAMPLE LENGTH IN INCHES	08/17/77-09/21/82	18	15.	15.472	25.75	11.5	10.005	3.163	11.68	14.188	15.85	20.575
00040	WIND DIRECTION, AZIMUTH	01/06/75-01/06/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/18/74-01/25/77	29	1.5	1.983	5.	0.6	1.386	1.177	1.	1.05	2.7	4.3
00080	COLOR (PLATINUM-COBALT UNITS)	04/18/72-01/25/77	58	30.	33.276	80.	5.	406.624	20.165	10.	18.75	50.	61.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/25/76-10/25/76	1	153.	153.	153.	153.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	94	130.	128.894	193.	74.	637.946	25.258	88.	120.	141.	156.5
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	130	9.35	9.492	13.1	5.6	3.099	1.76	7.3	8.1	11.025	12.2
00310	BOD, 5 DAY, 20 DEG C MG/L	04/18/72-01/25/77	50	2.1	2.23	5.7	0.3	1.158	1.076	0.9	1.6	2.8	3.93
00312	BOD, 6 DAY, 20 DEG C MG/L	01/06/75-10/25/76	8	2.3	2.375	3.4	1.8	0.374	0.611	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	06/14/82-12/13/84	20	21.	20.95	34.	13.	31.945	5.652	14.	15.	24.	30.4
00340	COD, .25N K2CR2O7 MG/L	03/23/77-04/22/82	54	20.	21.852	85.	2.	171.864	13.11	9.	14.	26.	37.
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	129	7.3	7.311	8.4	6.6	0.073	0.27	7.	7.2	7.4	7.6
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	129	7.3	7.233	8.4	6.6	0.079	0.281	7.	7.2	7.4	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	129	0.05	0.059	0.251	0.004	0.001	0.038	0.025	0.04	0.063	0.1
00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	50	7.5	7.482	8.1	6.8	0.069	0.263	7.02	7.4	7.6	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-06/08/83	50	7.5	7.395	8.1	6.8	0.077	0.278	7.02	7.4	7.6	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-06/08/83	50	0.032	0.04	0.158	0.008	0.001	0.032	0.016	0.025	0.04	0.096
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/18/72-01/25/77	58	60.	58.69	82.	29.	187.025	13.676	41.8	47.5	70.	75.
00500	RESIDUE, TOTAL (MG/L)	04/18/72-01/25/77	58	102.	102.966	150.	72.	199.894	14.138	83.8	96.	112.	118.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/15/75-01/25/77	18	27.	27.333	54.	10.	105.412	10.267	11.8	21.5	32.5	39.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	133	4.	5.88	197.	0.	287.546	16.957	2.	2.	6.	8.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/18/72-01/25/77	58	2.	2.448	9.	0.	3.129	1.769	0.	1.	4.	4.1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	66	0.4	0.412	1.2	0.1	0.038	0.196	0.2	0.3	0.505	0.63
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	95	0.02	0.044	0.96	0.004	0.01	0.1	0.01	0.01	0.05	0.08
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	03/19/73-07/11/74	6	0.005	0.005	0.007	0.003	0.	0.001	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/18/72-07/11/74	10	0.1	0.114	0.32	0.01	0.008	0.088	0.011	0.058	0.148	0.305
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/17/81-12/13/84	29	0.4	0.448	0.8	0.2	0.019	0.138	0.2	0.4	0.5	0.6
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	85	0.08	0.112	0.3	0.01	0.009	0.094	0.016	0.045	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	95	0.03	0.032	0.18	0.02	0.	0.018	0.02	0.02	0.04	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	92	0.008	0.008	0.04	0.001	0.	0.006	0.002	0.004	0.011	0.014
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	82	61.	60.866	83.	34.	151.969	12.328	44.3	51.5	70.25	77.7
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	80	0.5	0.806	2.	0.	0.687	0.829	0.	0.	2.	2.
00956	SILICA, TOTAL (MG/L AS SI02)	09/27/74-07/08/75	9	11.6	12.889	17.5	8.8	9.609	3.1	8.8	10.25	15.7	17.5
01002	ARSENIC, TOTAL (UG/L AS AS)	03/23/77-02/26/79	24 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	08/17/77-09/21/82	18 ##	0.25	0.5	1.	0.25	0.132	0.364	0.25	0.25	1.	1.
01027	CADMIUM, TOTAL (UG/L AS CD)	03/23/77-02/26/79	24 ##	0.1	0.196	1.	0.1	0.068	0.261	0.1	0.1	0.1	0.75
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/23/77-02/26/79	24 ##	1.5	3.854	58.	1.5	133.01	11.533	1.5	1.5	1.5	1.5
01042	COPPER, TOTAL (UG/L AS CU)	03/23/77-02/26/79	24	4.5	8.938	90.	1.5	322.702	17.964	1.5	1.5	8.5	18.
01051	LEAD, TOTAL (UG/L AS PB)	05/02/77-02/26/79	23 ##	1.5	2.761	12.	1.5	9.383	3.063	1.5	1.5	1.5	9.4
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/73-04/28/75	11	100.	265.455	800.	5.	85502.273	292.408	5.	50.	500.	792.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/03/73-04/28/75	11	2.	2.033	2.903	0.699	0.586	0.766	0.699	1.699	2.699	2.899
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			107.78								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	112 ##	5.	20.491	450.	5.	2128.811	46.139	5.	5.	20.	40.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	112 ##	0.699	1.021	2.653	0.699	0.174	0.418	0.699	0.699	1.301	1.602
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.505								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/72-10/24/73	17	5.	12.5	90.	2.5	430.469	20.748	2.5	5.	12.5	34.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/18/72-10/24/73	17	0.699	0.854	1.954	0.398	0.161	0.401	0.398	0.699	1.088	1.432
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.145								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/17/83-11/17/83	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/17/83-11/17/83	1 ##	0.699	0.699	0.699	0.699	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			5.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/23/77-11/17/83	27	20.	58.333	800.	5.	25292.308	159.036	5.	5.	30.	140.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	03/23/77-11/17/83	27	1.301	1.209	2.903	0.699	0.335	0.579	0.699	0.699	1.477	2.095
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			16.17								
33223	INVALID PARAMETER	09/26/78-09/26/78	1	1.18	1.18	1.18	1.18	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	08/17/77-07/15/79	9 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	08/17/77-08/17/77	3 ##	0.05	0.042	0.05	0.025	0.	0.014	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	08/17/77-07/15/79	9 ##	0.01	0.008	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	08/01/78-07/15/79	6 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	08/01/78-09/02/80	9 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/01/78-09/21/82	15 ##	0.025	0.021	0.025	0.005	0.	0.008	0.005	0.025	0.025	0.025
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/01/78-09/21/82	15 ##	0.025	0.021	0.025	0.005	0.	0.008	0.005	0.025	0.025	0.025
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/15/79-09/21/82	12 ##	0.025	0.023	0.025	0.005	0.	0.006	0.011	0.025	0.025	0.025
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	07/15/79-09/21/82	12 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	08/01/78-09/21/82	15 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39105	PERCENT FAT HEXANE EXTRACTION	08/17/77-09/21/82	18	3.5	3.389	5.5	0.4	1.788	1.337	1.48	2.475	4.2	5.5
39302	P P DDT IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39307	O P DDT IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39312	P P DDD IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/17/77-09/21/82	18 ##	0.025	0.023	0.025	0.01	0.	0.005	0.01	0.025	0.025	0.025
39325	O,P DDD IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39334	ALDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	09/02/80-09/21/82	9 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39387	DIELDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WGT)	09/02/80-09/21/82	9 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39397	ENDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	09/02/80-09/21/82	9 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/17/77-07/15/79	9 ##	0.01	0.008	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
39482	METHOXYCHLOR IN FISH - UG/KG	08/17/77-08/17/77	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/17/77-09/21/82	18 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	09/02/80-09/21/82	9 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	08/17/77-08/17/77	3 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/23/77-02/26/79	24 ##	0.1	0.125	0.4	0.1	0.007	0.085	0.1	0.1	0.1	0.25
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/17/77-09/21/82	18	0.1	0.144	0.55	0.005	0.019	0.138	0.019	0.058	0.178	0.397
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/17/77-09/21/82	18 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/17/77-09/21/82	18	1.15	1.111	1.7	0.6	0.112	0.334	0.6	0.8	1.325	1.61
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	08/17/77-09/21/82	18 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/17/77-09/21/82	18 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/17/77-09/21/82	18	4.	3.778	5.	1.	1.712	1.309	1.9	2.75	5.	5.
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	08/17/77-08/17/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	08/01/78-09/21/82	15 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0111

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	29	0	0.00	11	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	130	0	0.00	42	0	0.00	26	0	0.00	11	0	0.00	51	0	0.00
00400	PH	Other-Hi Lim.	9.	129	0	0.00	43	0	0.00	26	0	0.00	11	0	0.00	49	0	0.00
		Other-Lo Lim.	6.5	129	0	0.00	43	0	0.00	26	0	0.00	11	0	0.00	49	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	50	0	0.00	16	0	0.00	13	0	0.00	5	0	0.00	16	0	0.00
		Other-Lo Lim.	6.5	50	0	0.00	16	0	0.00	13	0	0.00	5	0	0.00	16	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	6	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	10	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	5	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	85	0	0.00	26	0	0.00	16	0	0.00	7	0	0.00	36	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	80	0	0.00	27	0	0.00	15	0	0.00	6	0	0.00	32	0	0.00
		Drinking Water	250.	80	0	0.00	27	0	0.00	15	0	0.00	6	0	0.00	32	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	24	0	0.00	8	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00
		Drinking Water	50.	24	0	0.00	8	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	24	0	0.00	8	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00
		Drinking Water	5.	24	0	0.00	8	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	24	0	0.00	8	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	24	2	0.08	8	1	0.13	6	1	0.17	2	0	0.00	8	0	0.00
		Drinking Water	1300.	24	0	0.00	8	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	23	0	0.00	8	0	0.00	6	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	15.	23	0	0.00	8	0	0.00	6	0	0.00	1	0	0.00	8	0	0.00
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	11	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	112	1	0.01	34	1	0.03	24	0	0.00	10	0	0.00	44	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	17	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00	7	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	24	0	0.00	8	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00
		Drinking Water	2.	24	0	0.00	8	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	9	16.	13.178	23.	1.6	69.834	8.357	1.6	3.	19.5	23.
00080	COLOR (PLATINUM-COBALT UNITS)	04/18/72-01/25/77	9	50.	49.444	70.	30.	159.028	12.611	30.	37.5	57.5	70.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	9	10.7	9.911	12.5	7.3	4.584	2.141	7.3	7.6	11.8	12.5
00310	BOD, 5 DAY, 20 DEG C MG/L	04/18/72-01/25/77	9	1.8	1.533	2.1	0.6	0.348	0.589	0.6	0.9	2.1	2.1
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	9	7.2	7.233	7.4	7.	0.023	0.15	7.	7.1	7.4	7.4
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	9	7.2	7.21	7.4	7.	0.023	0.152	7.	7.1	7.4	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	9	0.063	0.062	0.1	0.04	0.	0.021	0.04	0.04	0.079	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/18/72-01/25/77	9	54.	51.	62.	29.	128.5	11.336	29.	42.	61.	62.
00500	RESIDUE, TOTAL (MG/L)	04/18/72-01/25/77	9	102.	108.444	132.	90.	176.778	13.296	90.	101.	121.	132.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	9	6.	6.111	10.	2.	8.111	2.848	2.	3.5	9.	10.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/18/72-01/25/77	9	2.	1.778	5.	0.	2.194	1.481	0.	0.5	2.	5.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	3	0.37	0.38	0.46	0.31	0.006	0.075	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	3	0.08	0.087	0.13	0.05	0.002	0.04	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	3	0.03	0.033	0.04	0.03	0.	0.006	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	9	52.	53.444	60.	46.	22.278	4.72	46.	50.	58.5	60.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	12	10.	9.667	23.	0.	71.515	8.457	0.	1.	17.75	22.1
00080	COLOR (PLATINUM-COBALT UNITS)	04/18/72-01/25/77	12	42.5	43.75	80.	15.	436.932	20.903	16.5	22.5	57.5	78.5
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	12	9.45	9.542	13.1	7.2	3.886	1.971	7.2	7.65	11.1	12.86
00310	BOD, 5 DAY, 20 DEG C MG/L	04/18/72-01/25/77	12	1.95	2.067	4.3	1.2	0.721	0.849	1.2	1.5	2.325	3.85
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	12	7.2	7.258	7.6	7.	0.028	0.168	7.03	7.125	7.4	7.54
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	12	7.2	7.23	7.6	7.	0.029	0.17	7.03	7.125	7.4	7.54
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	12	0.063	0.059	0.1	0.025	0.	0.021	0.03	0.04	0.075	0.094
00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	12	7.5	7.45	7.8	6.8	0.066	0.258	6.92	7.325	7.6	7.74
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-06/08/83	12	7.5	7.361	7.8	6.8	0.075	0.274	6.92	7.325	7.6	7.74
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-06/08/83	12	0.032	0.044	0.158	0.016	0.001	0.038	0.019	0.025	0.048	0.13
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/18/72-01/25/77	12	53.	52.333	75.	35.	132.788	11.523	37.1	42.5	59.5	72.3
00500	RESIDUE, TOTAL (MG/L)	04/18/72-01/25/77	12	104.	102.667	118.	78.	166.061	12.886	79.2	96.5	113.5	117.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	12	4.5	5.5	13.	2.	9.909	3.148	2.	3.25	7.75	11.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/18/72-01/25/77	12	3.	2.833	8.	0.	4.697	2.167	0.	1.25	4.	6.8
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	4	0.455	0.498	0.72	0.36	0.024	0.156	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	4	0.11	0.305	0.96	0.04	0.193	0.439	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	4	0.035	0.035	0.04	0.03	0.	0.006	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	4	0.009	0.011	0.025	0.001	0.	0.01	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	12	58.	59.667	78.	40.	139.515	11.812	41.8	52.	69.5	77.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	12	0.	0.25	2.	0.	0.386	0.622	0.	0.	0.	1.7
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	1 ##	0.699	0.699	0.699	0.699	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			5.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	12	7.5	9.125	22.	1.	68.46	8.274	1.	1.125	16.	22.
00080	COLOR (PLATINUM-COBALT UNITS)	04/18/72-01/25/77	12	27.5	26.25	40.	10.	114.205	10.687	10.	16.25	35.	40.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	11	9.3	9.827	12.7	7.5	3.234	1.798	7.58	8.2	11.8	12.54
00310	BOD, 5 DAY, 20 DEG C MG/L	04/18/72-01/25/77	12	2.8	2.667	4.9	0.3	1.368	1.17	0.69	1.9	3.2	4.63

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	12	7.35	7.35	7.6	7.1	0.026	0.162	7.13	7.2	7.475	7.6
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	12	7.347	7.323	7.6	7.1	0.027	0.165	7.13	7.2	7.475	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	12	0.045	0.048	0.079	0.025	0.	0.017	0.025	0.034	0.063	0.075
00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	12	7.5	7.575	7.9	7.4	0.031	0.176	7.4	7.4	7.7	7.87
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-06/08/83	12	7.5	7.545	7.9	7.4	0.032	0.179	7.4	7.4	7.7	7.87
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-06/08/83	12	0.032	0.029	0.04	0.013	0.	0.01	0.014	0.02	0.04	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/18/72-01/25/77	12	65.	63.333	81.	46.	109.152	10.448	47.2	52.	70.	78.3
00500	RESIDUE, TOTAL (MG/L)	04/18/72-01/25/77	12	106.	106.333	150.	84.	337.333	18.367	84.6	88.5	117.	140.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	12	3.5	5.917	22.	2.	32.629	5.712	2.	3.	7.25	18.7
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/18/72-01/25/77	12	2.	2.	5.	0.	2.545	1.595	0.	1.	3.5	4.7
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	4	0.315	0.353	0.52	0.26	0.014	0.116	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	4	0.065	0.07	0.13	0.02	0.003	0.054	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	4	0.035	0.038	0.05	0.03	0.	0.01	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	4	0.009	0.009	0.011	0.008	0.	0.002	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	12	65.	63.5	80.	48.	127.364	11.286	48.6	52.	71.5	80.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	12	0.	0.083	1.	0.	0.083	0.289	0.	0.	0.	0.7
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	12 ##	5.	10.	30.	5.	72.727	8.528	5.	5.	17.5	27.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	12 ##	0.699	0.889	1.477	0.699	0.09	0.299	0.699	0.699	1.226	1.424
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			7.749								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	12	9.25	10.667	23.5	1.	80.106	8.95	1.	1.25	18.75	23.35
00080	COLOR (PLATINUM-COBALT UNITS)	04/18/72-01/25/77	12	22.5	30.833	80.	10.	521.97	22.847	10.	12.5	38.75	77.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	6	122.5	125.667	149.	103.	327.867	18.107	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	11	9.8	9.727	12.3	5.9	3.992	1.998	6.34	8.6	11.5	12.28
00310	BOD, 5 DAY, 20 DEG C MG/L	04/18/72-01/25/77	9	2.5	2.789	5.7	0.6	2.231	1.494	0.6	1.8	3.65	5.7
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	12	7.2	7.267	7.8	7.	0.041	0.202	7.03	7.2	7.375	7.68
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	12	7.2	7.232	7.8	7.	0.042	0.205	7.03	7.2	7.375	7.68
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	12	0.063	0.059	0.1	0.016	0.	0.021	0.023	0.042	0.063	0.094
00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	12	7.4	7.333	7.7	6.8	0.079	0.281	6.86	7.05	7.575	7.67
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-06/08/83	12	7.4	7.244	7.7	6.8	0.088	0.296	6.86	7.05	7.575	7.67
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-06/08/83	12	0.04	0.057	0.158	0.02	0.002	0.042	0.022	0.027	0.091	0.141
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/18/72-01/25/77	12	60.	58.75	73.	30.	174.386	13.206	34.8	48.	71.5	72.7
00500	RESIDUE, TOTAL (MG/L)	04/18/72-01/25/77	12	100.	101.167	114.	72.	138.515	11.769	78.6	96.	111.5	113.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	12	4.	4.833	10.	1.	10.697	3.271	1.3	2.	8.5	9.7
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/18/72-01/25/77	12	2.	3.083	9.	1.	4.447	2.109	1.3	2.	4.	7.5
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	5	0.32	0.37	0.58	0.18	0.024	0.154	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	5	0.07	0.072	0.13	0.03	0.001	0.038	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	5	0.2	0.17	0.3	0.05	0.01	0.097	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	5	0.03	0.034	0.046	0.024	0.	0.009	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	5	0.012	0.02	0.04	0.012	0.	0.012	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	12	62.	59.5	78.	34.	217.	14.731	34.6	48.5	72.5	76.8
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	12 ##	0.5	0.75	2.	0.5	0.205	0.452	0.5	0.5	1.	1.7
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	12 ##	5.	6.667	10.	5.	6.061	2.462	5.	5.	10.	10.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	12 ##	0.699	0.799	1.	0.699	0.022	0.148	0.699	0.699	1.	1.
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			6.3								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	11	9.	9.791	26.	0.	99.881	9.994	0.	0.2	20.5	25.6
00080	COLOR (PLATINUM-COBALT UNITS)	04/18/72-01/25/77	11	20.	23.182	60.	5.	356.364	18.878	6.	10.	35.	59.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	11	140.	129.636	162.	76.	893.455	29.891	78.4	93.	150.	160.2
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	11	9.4	9.873	12.6	7.4	3.29	1.814	7.48	8.3	11.6	12.54
00310	BOD, 5 DAY, 20 DEG C MG/L	04/18/72-01/25/77	6	2.25	2.2	2.8	1.6	0.22	0.469	**	**	**	**
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	11	7.3	7.4	8.4	7.	0.162	0.402	7.	7.2	7.5	8.28
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	11	7.3	7.285	8.4	7.	0.177	0.42	7.	7.2	7.5	8.28
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	11	0.05	0.052	0.1	0.004	0.001	0.031	0.006	0.032	0.063	0.1
00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	11	7.6	7.6	8.1	7.	0.09	0.3	7.08	7.4	7.9	8.06
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-06/08/83	11	7.6	7.502	8.1	7.	0.101	0.317	7.08	7.4	7.9	8.06
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-06/08/83	11	0.025	0.031	0.1	0.008	0.001	0.025	0.009	0.013	0.04	0.088
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/18/72-01/25/77	11	72.	64.182	82.	30.	293.764	17.14	32.	48.	75.	81.4
00500	RESIDUE, TOTAL (MG/L)	04/18/72-01/25/77	11	98.	96.545	112.	72.	148.873	12.201	73.6	90.	106.	111.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	11	3.	3.	6.	1.	2.6	1.612	1.	2.	4.	5.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/18/72-01/25/77	11	2.	2.455	5.	1.	1.873	1.368	1.	1.	4.	4.8
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	3	0.37	0.367	0.56	0.17	0.038	0.195	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	3	0.03	0.037	0.06	0.02	0.	0.021	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	3	0.02	0.03	0.06	0.01	0.001	0.026	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	3	0.029	0.026	0.03	0.02	0.	0.006	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	3	0.016	0.013	0.02	0.003	0.	0.009	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	11	73.	65.818	82.	36.	248.964	15.779	37.8	46.	75.	81.8
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	11 ##	0.5	0.727	2.	0.5	0.218	0.467	0.5	0.5	1.	1.8
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	10 ##	5.	18.	100.	5.	867.778	29.458	5.	5.	20.	92.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	10 ##	0.699	0.98	2.	0.699	0.191	0.437	0.699	0.699	1.301	1.93
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			9.541								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	11	12.5	10.664	21.7	0.	63.309	7.957	0.	2.3	17.	21.66
00080	COLOR (PLATINUM-COBALT UNITS)	04/18/72-01/25/77	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	11	130.	128.818	160.	88.	400.764	20.019	91.4	120.	140.	157.8
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	11	8.6	8.818	11.8	6.7	2.1	1.449	6.86	7.6	10.1	11.48
00310	BOD, 5 DAY, 20 DEG C MG/L	04/18/72-01/25/77	2	1.3	1.3	1.8	0.8	0.5	0.707	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/23/77-04/22/82	9	19.	25.556	46.	15.	131.278	11.458	15.	16.5	37.	46.
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	10	7.45	7.43	7.7	7.1	0.04	0.2	7.11	7.275	7.6	7.69
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	10	7.447	7.388	7.7	7.1	0.042	0.205	7.11	7.275	7.6	7.69
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	10	0.036	0.041	0.079	0.02	0.	0.019	0.02	0.025	0.053	0.078
00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-06/08/83	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-06/08/83	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/18/72-01/25/77	2	73.	73.	80.	66.	98.	9.899	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/18/72-01/25/77	2	106.	106.	122.	90.	512.	22.627	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	11	3.	4.727	10.	2.	10.418	3.228	2.	2.	8.	10.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/18/72-01/25/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	10	0.55	0.47	0.8	0.1	0.047	0.216	0.11	0.275	0.6	0.78
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	10	0.02	0.033	0.12	0.01	0.001	0.033	0.01	0.01	0.043	0.113
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	10	0.065	0.107	0.3	0.01	0.011	0.105	0.013	0.048	0.15	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	10	0.04	0.034	0.04	0.02	0.	0.01	0.02	0.02	0.04	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	10	0.007	0.008	0.014	0.002	0.	0.005	0.002	0.004	0.013	0.014
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	11	69.	65.273	83.	40.	168.618	12.985	40.8	62.	72.	81.8
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	12 ##	5.	11.25	40.	5.	132.386	11.506	5.	5.	10.	37.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	12 ##	0.699	0.914	1.602	0.699	0.103	0.321	0.699	0.699	1.	1.565
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			8.21								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	13	7.9	8.669	22.	0.	74.971	8.659	0.	0.	17.6	20.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	13	128.	120.538	150.	80.	433.603	20.823	86.	100.5	135.	147.6
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	13	8.9	8.931	11.8	5.6	2.892	1.701	6.24	7.7	9.8	11.68
00340	COD, .25N K2CR2O7 MG/L	03/23/77-04/22/82	13	20.	23.846	85.	2.	411.974	20.297	4.8	12.5	25.	65.
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	13	7.2	7.162	7.4	6.8	0.033	0.18	6.84	7.05	7.3	7.36
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	13	7.2	7.124	7.4	6.8	0.034	0.185	6.84	7.05	7.3	7.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	13	0.063	0.075	0.158	0.04	0.001	0.035	0.044	0.05	0.09	0.145
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	13	4.	3.462	8.	0.	4.936	2.222	0.4	1.5	4.5	7.2
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	13	0.4	0.5	1.2	0.3	0.07	0.265	0.3	0.3	0.65	1.04
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	13	0.03	0.032	0.06	0.004	0.	0.019	0.006	0.02	0.05	0.06
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	13	0.09	0.111	0.3	0.01	0.008	0.088	0.01	0.045	0.2	0.26
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	13	0.03	0.032	0.06	0.02	0.	0.012	0.02	0.02	0.04	0.052
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	13	0.01	0.01	0.028	0.002	0.	0.007	0.002	0.006	0.014	0.023
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	13	58.	56.769	70.	44.	84.859	9.212	44.	47.5	65.5	69.2
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	13 ##	5.	48.846	450.	5.	14896.474	122.051	5.	5.	30.	298.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	13 ##	0.699	1.1	2.653	0.699	0.367	0.606	0.699	0.699	1.452	2.33
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			12.576								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	11	7.	7.336	21.8	0.	66.575	8.159	0.	0.	14.9	21.12
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	12	136.	131.583	190.	74.	922.629	30.375	79.4	109.75	149.	178.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	11	9.6	9.527	12.5	6.7	3.24	1.8	6.96	8.1	10.4	12.46
00340	COD, .25N K2CR2O7 MG/L	03/23/77-04/22/82	12	17.5	18.667	30.	9.	45.515	6.746	9.3	14.	25.	28.8
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	12	7.2	7.175	7.4	7.	0.02	0.142	7.	7.025	7.275	7.4
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	12	7.2	7.154	7.4	7.	0.021	0.144	7.	7.025	7.275	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	12	0.063	0.07	0.1	0.04	0.	0.022	0.04	0.053	0.095	0.1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	12	3.	3.75	8.	2.	3.841	1.96	2.	2.	5.5	7.4
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	12	0.35	0.35	0.6	0.2	0.019	0.138	0.2	0.2	0.475	0.57
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	12	0.02	0.03	0.08	0.01	0.001	0.024	0.01	0.01	0.045	0.077
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	12	0.095	0.131	0.3	0.01	0.011	0.105	0.016	0.043	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	12	0.02	0.023	0.04	0.02	0.	0.006	0.02	0.02	0.02	0.037
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	12	0.005	0.006	0.012	0.002	0.	0.004	0.002	0.003	0.009	0.012
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	2	69.	69.	78.	60.	162.	12.728	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	11	10.	15.909	40.	5.	164.091	12.81	5.	5.	30.	38.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	11	1.	1.059	1.602	0.699	0.141	0.376	0.699	0.699	1.477	1.577
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			11.465								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	10	4.	6.07	16.	0.	45.96	6.779	0.	0.	14.175	15.87
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	10	135.	146.6	193.	118.	771.378	27.774	118.6	127.	179.25	192.3
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	10	9.9	10.1	13.	8.4	2.	1.414	8.44	8.8	11.2	12.85
00340	COD, .25N K2CR2O7 MG/L	03/23/77-04/22/82	10	21.	20.7	45.	7.	124.233	11.146	7.2	9.75	26.25	43.2
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	10	7.25	7.32	7.7	7.	0.062	0.249	7.	7.15	7.6	7.69
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	10	7.247	7.26	7.7	7.	0.066	0.256	7.	7.15	7.6	7.69
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	10	0.057	0.055	0.1	0.02	0.001	0.029	0.02	0.025	0.072	0.1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	10	4.	23.6	197.	1.	3714.489	60.947	1.3	4.	6.25	178.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	10	0.4	0.39	0.8	0.1	0.043	0.208	0.11	0.2	0.525	0.78

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	10 ##	0.01	0.032	0.1	0.01	0.001	0.032	0.01	0.01	0.055	0.097
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	10	0.145	0.154	0.3	0.02	0.014	0.119	0.021	0.045	0.3	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	10	0.025	0.042	0.18	0.02	0.002	0.049	0.02	0.02	0.04	0.166
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	10	0.006	0.006	0.012	0.002	0.	0.004	0.002	0.002	0.01	0.012
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	9	10.	23.333	110.	5.	1162.5	34.095	5.	5.	30.	110.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	9	1.	1.088	2.041	0.699	0.229	0.479	0.699	0.699	1.477	2.041
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			12.245								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	9	11.	11.267	22.2	0.	81.563	9.031	0.	1.5	20.6	22.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	9	130.	131.889	170.	83.	1124.111	33.528	83.	102.	165.	170.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	9	9.3	9.344	11.9	7.6	1.688	1.299	7.6	8.2	10.1	11.9
00340	COD, .25N K2CR2O7 MG/L	03/23/77-04/22/82	9	22.	20.556	41.	7.	145.778	12.074	7.	8.5	29.5	41.
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	9	7.4	7.211	7.7	6.6	0.191	0.437	6.6	6.7	7.6	7.7
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	9	7.4	7.013	7.7	6.6	0.235	0.485	6.6	6.7	7.6	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	9	0.04	0.097	0.251	0.02	0.009	0.097	0.02	0.025	0.205	0.251
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	9	4.	3.556	8.	0.	7.528	2.744	0.	1.	5.5	8.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	9 ##	0.01	0.02	0.05	0.01	0.	0.017	0.01	0.01	0.035	0.05
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	9	0.07	0.109	0.3	0.01	0.013	0.113	0.01	0.025	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	9	0.02	0.03	0.05	0.02	0.	0.012	0.02	0.02	0.04	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	9	0.007	0.007	0.011	0.002	0.	0.004	0.002	0.003	0.01	0.011
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	9	10.	14.444	40.	5.	121.528	11.024	5.	7.5	20.	40.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	9	1.	1.067	1.602	0.699	0.086	0.293	0.699	0.849	1.301	1.602
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			11.665								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	2	10.65	10.65	15.8	5.5	53.045	7.283	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	2	107.	107.	140.	74.	2178.	46.669	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	2	9.9	9.9	11.8	8.	7.22	2.687	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/23/77-04/22/82	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	2	6.5	6.5	8.	5.	4.5	2.121	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	2	0.055	0.055	0.09	0.02	0.002	0.049	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	2 ##	0.005	0.005	0.007	0.002	0.	0.004	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	2 ##	22.5	22.5	40.	5.	612.5	24.749	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	2 ##	1.151	1.151	1.602	0.699	0.408	0.639	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			14.142								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	8	15.75	14.	23.	1.	60.643	7.787	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	8	135.	130.	140.	100.	200.	14.142	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	8	9.	9.137	12.5	7.2	2.803	1.674	**	**	**	**
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	7	7.6	7.5	8.	6.9	0.127	0.356	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	7	7.6	7.367	8.	6.9	0.147	0.384	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	7	0.025	0.043	0.126	0.01	0.002	0.04	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-06/08/83	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-06/08/83	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	8	3.5	3.	5.	1.	2.286	1.512	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	8 ##	0.01	0.011	0.02	0.01	0.	0.004	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	8	0.055	0.07	0.2	0.01	0.004	0.06	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	8	0.02	0.025	0.04	0.02	0.	0.008	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	8	0.007	0.007	0.011	0.002	0.	0.003	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	8	2.	2.	2.	2.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	9	10.	15.556	50.	5.	240.278	15.501	5.	5.	25.	50.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	9	1.	1.03	1.699	0.699	0.145	0.381	0.699	0.699	1.389	1.699
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.723								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	12	13.25	12.725	22.	0.	58.008	7.616	1.2	4.775	20.55	21.79
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	12	125.	122.167	150.	88.	371.97	19.287	88.	112.5	137.5	147.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	12	9.05	9.225	12.6	6.3	4.413	2.101	6.51	7.15	11.3	12.39
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	11	7.5	7.455	7.8	6.8	0.073	0.27	6.9	7.3	7.6	7.78
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	11	7.5	7.359	7.8	6.8	0.083	0.288	6.9	7.3	7.6	7.78
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	11	0.032	0.044	0.158	0.016	0.002	0.04	0.017	0.025	0.05	0.137
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	12	4.	4.333	7.	2.	2.424	1.557	2.3	3.	6.	6.7
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	12 ##	0.015	0.018	0.03	0.01	0.	0.009	0.01	0.01	0.028	0.03
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	12	0.1	0.105	0.2	0.02	0.004	0.063	0.029	0.05	0.175	0.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	12	0.035	0.033	0.04	0.02	0.	0.008	0.02	0.03	0.04	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	12	0.008	0.008	0.014	0.004	0.	0.003	0.004	0.005	0.011	0.013
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	12	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	12	25.	36.667	100.	5.	1233.333	35.119	5.	5.	67.5	97.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	12	1.389	1.313	2.	0.699	0.282	0.531	0.699	0.699	1.828	1.986
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			20.549								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	42	11.5	11.336	24.	0.2	50.156	7.082	1.3	4.75	16.425	22.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	31	130.	130.71	160.	80.	421.946	20.541	93.4	123.	149.	150.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	42	9.35	9.71	13.	5.6	3.176	1.782	7.23	8.7	11.15	12.44
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	43	7.4	7.398	8.4	6.9	0.065	0.256	7.2	7.2	7.6	7.7
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	43	7.4	7.338	8.4	6.9	0.069	0.263	7.2	7.2	7.6	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	43	0.04	0.046	0.126	0.004	0.	0.022	0.02	0.025	0.063	0.063
00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	16	7.5	7.575	7.9	7.2	0.038	0.195	7.34	7.425	7.7	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-06/08/83	16	7.5	7.535	7.9	7.2	0.04	0.199	7.34	7.425	7.7	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-06/08/83	16	0.032	0.029	0.063	0.013	0.	0.013	0.013	0.02	0.038	0.047
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	43	3.	4.07	22.	0.	12.495	3.535	2.	2.	5.	8.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	20	0.4	0.461	0.8	0.2	0.036	0.19	0.21	0.305	0.6	0.792
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	28	0.02	0.028	0.13	0.01	0.001	0.032	0.01	0.01	0.028	0.076
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	26	0.08	0.088	0.2	0.01	0.004	0.063	0.01	0.048	0.1	0.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	28	0.025	0.029	0.06	0.02	0.	0.01	0.02	0.02	0.04	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	27	0.008	0.007	0.016	0.002	0.	0.004	0.002	0.004	0.011	0.012
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	28	60.	59.714	82.	36.	157.101	12.534	43.6	50.5	69.5	77.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	27	0.5	0.741	2.	0.	0.757	0.87	0.	0.	2.	2.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	34 ##	7.5	31.912	450.	5.	6066.689	77.889	5.	5.	30.	80.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	34 ##	0.849	1.082	2.653	0.699	0.258	0.508	0.699	0.699	1.477	1.9
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			12.083								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/23/77-11/17/83	9	30.	141.111	800.	5.	69529.861	263.685	5.	12.5	170.	800.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	03/23/77-11/17/83	9	1.477	1.582	2.903	0.699	0.526	0.725	0.699	1.	2.04	2.903
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			38.19								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	27	0.	0.337	1.6	0.	0.298	0.546	0.	0.	1.	1.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	18	144.5	148.833	190.	120.	485.559	22.035	121.8	129.75	170.	186.4
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	26	9.75	10.042	13.1	6.7	3.56	1.887	7.19	8.825	11.675	12.63
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	26	7.2	7.181	7.7	6.8	0.035	0.188	7.	7.	7.3	7.43
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	26	7.2	7.145	7.7	6.8	0.037	0.191	7.	7.	7.3	7.43
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	26	0.063	0.072	0.158	0.02	0.001	0.029	0.037	0.05	0.1	0.1
00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	13	7.4	7.446	7.9	6.8	0.091	0.302	6.88	7.35	7.65	7.86
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-06/08/83	13	7.4	7.337	7.9	6.8	0.104	0.322	6.88	7.35	7.65	7.86
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-06/08/83	13	0.04	0.046	0.158	0.013	0.002	0.04	0.014	0.023	0.045	0.135
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	27	2.	2.889	7.	0.	2.872	1.695	1.	2.	4.	6.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	17	0.3	0.271	0.4	0.1	0.008	0.089	0.164	0.2	0.335	0.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	18	0.055	0.062	0.15	0.004	0.001	0.036	0.009	0.045	0.08	0.123
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	16	0.25	0.244	0.3	0.1	0.004	0.063	0.17	0.2	0.3	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	18	0.02	0.025	0.04	0.02	0.	0.008	0.02	0.02	0.03	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	18	0.011	0.011	0.025	0.004	0.	0.004	0.006	0.008	0.012	0.017
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	20	70.	70.65	83.	56.	58.555	7.652	59.1	64.25	78.	80.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	15	1.	0.867	2.	0.	0.517	0.719	0.	0.	1.	2.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	24 ##	5.	10.	30.	5.	63.043	7.94	5.	5.	10.	25.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	24 ##	0.699	0.902	1.477	0.699	0.077	0.277	0.699	0.699	1.	1.389
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			7.976								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/23/77-11/17/83	5 ##	5.	8.	20.	5.	45.	6.708	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	03/23/77-11/17/83	5 ##	0.699	0.819	1.301	0.699	0.072	0.269	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			6.598								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	11	1.2	2.227	9.	0.	6.516	2.553	0.	1.	3.	8.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	8	140.	133.625	193.	76.	1343.411	36.653	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	11	11.4	11.264	12.3	10.	0.485	0.696	10.08	10.5	11.8	12.22
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	11	7.2	7.245	7.6	7.	0.053	0.23	7.	7.	7.4	7.6
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	11	7.2	7.195	7.6	7.	0.056	0.236	7.	7.	7.4	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	11	0.063	0.064	0.1	0.025	0.001	0.03	0.025	0.04	0.1	0.1
00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	5	7.4	7.36	7.5	7.	0.043	0.207	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-06/08/83	5	7.4	7.314	7.5	7.	0.046	0.214	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-06/08/83	5	0.04	0.049	0.1	0.032	0.001	0.029	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	11	4.	4.	6.	1.	2.	1.414	1.4	3.	5.	6.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	6	0.25	0.298	0.56	0.1	0.029	0.17	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	8	0.055	0.161	0.96	0.01	0.105	0.324	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	7	0.2	0.194	0.3	0.06	0.012	0.108	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	8	0.025	0.027	0.04	0.02	0.	0.009	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	8	0.01	0.011	0.028	0.002	0.	0.008	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	7	66.	58.571	72.	36.	191.286	13.831	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	6	0.5	0.667	2.	0.	0.567	0.753	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	10 ##	5.	9.	30.	5.	76.667	8.756	5.	5.	8.75	29.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	10 ##	0.699	0.837	1.477	0.699	0.086	0.294	0.699	0.699	0.849	1.46
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			6.871								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/23/77-11/17/83	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	03/23/77-11/17/83	2 ##	1.	1.	1.301	0.699	0.181	0.426	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			10.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/72-12/13/84	52	16.55	15.94	26.	4.	33.995	5.831	7.03	11.375	21.25	22.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-12/13/84	37	120.	116.649	162.	74.	445.179	21.099	83.8	100.5	131.	140.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-12/13/84	51	8.4	8.651	11.9	5.9	1.906	1.381	7.22	7.6	9.6	11.18
00400	PH (STANDARD UNITS)	04/18/72-12/13/84	49	7.3	7.318	8.	6.6	0.09	0.3	6.9	7.2	7.55	7.6
00400	CONVERTED PH (STANDARD UNITS)	04/18/72-12/13/84	49	7.3	7.212	8.	6.6	0.102	0.319	6.9	7.2	7.55	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/72-12/13/84	49	0.05	0.061	0.251	0.01	0.003	0.051	0.025	0.028	0.063	0.126
00403	PH, LAB, STANDARD UNITS SU	01/03/73-06/08/83	16	7.5	7.456	8.1	6.8	0.088	0.297	6.94	7.325	7.6	7.82
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-06/08/83	16	7.5	7.354	8.1	6.8	0.099	0.315	6.94	7.325	7.6	7.82
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-06/08/83	16	0.032	0.044	0.158	0.008	0.001	0.037	0.016	0.025	0.048	0.118
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/72-12/13/84	52	5.5	9.327	197.	1.	711.715	26.678	2.	4.	8.	10.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-02/18/81	23	0.5	0.503	1.2	0.17	0.04	0.201	0.298	0.4	0.6	0.72
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-12/13/84	41	0.02	0.024	0.13	0.01	0.001	0.023	0.01	0.01	0.03	0.048
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-12/13/84	36	0.05	0.055	0.2	0.01	0.001	0.038	0.01	0.03	0.078	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-12/13/84	41	0.04	0.037	0.18	0.02	0.001	0.024	0.02	0.03	0.04	0.045
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-12/13/84	39	0.006	0.008	0.04	0.001	0.	0.007	0.002	0.002	0.011	0.014
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/72-02/26/79	27	52.	55.407	76.	34.	115.943	10.768	43.2	48.	63.	73.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/72-12/13/84	32	0.5	0.859	2.	0.	0.778	0.882	0.	0.	2.	2.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-12/13/84	44	10.	20.	110.	5.	594.186	24.376	5.	5.	27.5	50.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-12/13/84	44	1.	1.082	2.041	0.699	0.17	0.413	0.699	0.699	1.433	1.69
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			12.067								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/23/77-11/17/83	11	10.	21.818	100.	5.	786.364	28.042	5.	5.	20.	88.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	03/23/77-11/17/83	11	1.	1.118	2.	0.699	0.184	0.429	0.699	0.699	1.301	1.92
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			13.13								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0112

NPS Station ID: SACN0112
LAT/LON: 45.929170/ -92.059170
Agency: 12ELS1
Date Created: 04/16/88
Location: (NO NAME)
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 2D2-022
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 9
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030001044500.00
RF3 Mile Point: 0.06
Distance from RF3: 0.08
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/03/84-11/03/84	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/03/84-11/03/84	1	1.75	1.75	1.75	1.75	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	11/03/84-11/03/84	1	123.	123.	123.	123.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/03/84-11/03/84	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	11/03/84-11/03/84	1	1.29	1.29	1.29	1.29	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/03/84-11/03/84	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/84-11/03/84	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/84-11/03/84	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/03/84-11/03/84	1	433.5	433.5	433.5	433.5	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/03/84-11/03/84	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/03/84-11/03/84	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/03/84-11/03/84	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	11/03/84-11/03/84	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/03/84-11/03/84	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/03/84-11/03/84	1	1.27	1.27	1.27	1.27	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/03/84-11/03/84	1	1.19	1.19	1.19	1.19	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/03/84-11/03/84	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/03/84-11/03/84	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/03/84-11/03/84	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/03/84-11/03/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/03/84-11/03/84	1	76.	76.	76.	76.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/03/84-11/03/84	1	0.096	0.096	0.096	0.096	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/03/84-11/03/84	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	11/03/84-11/03/84	1	550.	550.	550.	550.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/03/84-11/03/84	1	995.13	995.13	995.13	995.13	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/03/84-11/03/84	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/03/84-11/03/84	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0112

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0112

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0113

NPS Station ID: SACN0113
LAT/LON: 45.936503/ -92.064170
Agency: 21WIL
Date Created: 08/29/92
Location: UNNAMED (4014W23)
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 074033 /8270AG074033/4014W234033
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 11
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030001036300.00
RF3 Mile Point: 0.31
Distance from RF3: 0.16
On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/12/79-08/12/79	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/12/79-08/12/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/12/79-08/12/79	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/12/79-08/12/79	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/79-08/12/79	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/12/79-08/12/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/79-08/12/79	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/79-08/12/79	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/79-08/12/79	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/79-08/12/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/12/79-08/12/79	1	0.95	0.95	0.95	0.95	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/12/79-08/12/79	1	0.63	0.63	0.63	0.63	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	1	0.23	0.23	0.23	0.23	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/12/79-08/12/79	1	0.031	0.031	0.031	0.031	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/12/79-08/12/79	1	0.031	0.031	0.031	0.031	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/12/79-08/12/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/12/79-08/12/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/12/79-08/12/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/12/79-08/12/79	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/79-08/12/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/79-08/12/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/12/79-08/12/79	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0113

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	1	1.00										1	1	1.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0113

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	1	1.00										1	1	1.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0114

NPS Station ID: SACN0114
LAT/LON: 46.191670/ -92.070837
Agency: 21WIS
Date Created: 08/28/82
Location: ST CROIX RIV @ CO HWY T (BI SUR)
FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 163119 /8270AC163119/4314W233119
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 25
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001024
RF1 Mile Point: 10.390
Distance from RF1: 6.10
On/Off RF1: OFF
RF3 Index: 07030001002601.78
RF3 Mile Point: 2.39
Distance from RF3: 0.03
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 ST. CROIX RIV. @ CO HWY T.- BIOTIC INDEX SURVEY (NON-POINT) SAMPLING SITE 1979. SAMPLED EAST SIDE OF RIV. UPSTREAM FROM HWY IN 2 TO 3 FT. DEPTH

Parameter Inventory for Station: SACN0114

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0115

NPS Station ID: SACN0115
LAT/LON: 46.192226/ -92.071115
Agency: 112WRD
Date Created: 02/20/76
Location: ST. CROIX RIVER NEAR DAIRYLAND, WI
FIPS State/County: 55031 WISCONSIN/DOUGLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05331756
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001024
RF1 Mile Point: 10.390
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030001002602.49
RF3 Mile Point: 2.49
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/75-08/25/83	17	10.	12.618	26.	1.	102.892	10.144	1.	3.	23.	25.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/18/83-08/25/83	2	14.25	14.25	25.	3.5	231.125	15.203	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/25/83-08/25/83	1	739.	739.	739.	739.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/75-08/25/83	17	278.	625.647	2040.	148.	370435.868	608.634	161.6	200.	807.	1848.
00065	STAGE, STREAM (FEET)	04/18/83-08/25/83	2	4.675	4.675	5.07	4.28	0.312	0.559	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/21/75-08/25/83	17	90.	87.529	135.	55.	478.765	21.881	55.8	70.	101.5	119.
00300	OXYGEN, DISSOLVED MG/L	07/22/76-08/25/83	15	9.7	10.44	12.8	8.1	3.503	1.872	8.28	8.6	12.3	12.62
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/76-08/24/82	13	99.	100.692	113.	89.	68.397	8.27	89.4	94.	108.	112.6
00400	PH (STANDARD UNITS)	10/21/75-08/25/83	16	7.65	7.462	8.2	6.	0.451	0.671	6.427	6.88	8.075	8.2
00400	CONVERTED PH (STANDARD UNITS)	10/21/75-08/25/83	16	7.625	6.929	8.2	6.	0.754	0.868	6.427	6.88	8.075	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/21/75-08/25/83	16	0.024	0.118	1.	0.006	0.06	0.246	0.006	0.008	0.133	0.472
00403	PH, LAB, STANDARD UNITS SU	04/15/82-08/25/83	2	7.4	7.4	7.5	7.3	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/15/82-08/25/83	2	7.389	7.389	7.5	7.3	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/15/82-08/25/83	2	0.041	0.041	0.05	0.032	0.	0.013	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/21/75-08/18/81	9	1.3	7.278	41.	0.6	175.697	13.255	0.6	0.65	8.65	41.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/21/75-07/08/80	10	41.	36.2	50.	14.	153.956	12.408	14.2	25.75	43.75	49.6
00440	BICARBONATE ION (MG/L AS HCO3)	10/21/75-04/05/78	6	49.	45.	61.	20.	227.2	15.073	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/21/75-04/05/78	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/21/75-04/15/82	13	0.43	0.485	0.85	0.26	0.03	0.173	0.276	0.345	0.645	0.778
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/21/75-08/24/82	14	0.355	0.387	0.64	0.23	0.015	0.123	0.25	0.29	0.485	0.61
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/21/75-08/25/83	16	0.02	0.035	0.13	0.005	0.001	0.034	0.005	0.01	0.058	0.088
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/21/75-08/25/83	17 ##	0.005	0.006	0.01	0.	0.	0.003	0.	0.005	0.008	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/21/75-07/08/80	10	0.015	0.059	0.27	0.	0.007	0.085	0.	0.008	0.09	0.255
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/21/75-08/25/83	17	0.39	0.417	0.77	0.26	0.017	0.131	0.284	0.325	0.5	0.618
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/21/75-08/25/83	16	0.05	0.069	0.28	0.01	0.004	0.067	0.01	0.015	0.098	0.168
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/18/79-04/18/79	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/75-08/25/83	17	0.03	0.026	0.06	0.005	0.	0.015	0.009	0.01	0.035	0.044
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/75-08/25/83	14	0.01	0.017	0.04	0.005	0.	0.01	0.008	0.01	0.023	0.035
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/21/75-08/25/83	16	8.85	8.681	15.	3.4	11.036	3.322	3.68	5.7	10.75	13.6
00940	CHLORIDE,TOTAL IN WATER MG/L	10/21/75-08/25/83	17	1.	1.112	2.	0.5	0.199	0.446	0.66	0.95	1.	2.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/21/75-07/22/76	3	2.	6.833	18.	0.5	94.083	9.7	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/21/75-07/22/76	3	0.301	0.418	1.255	-0.301	0.616	0.785	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.621								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/17/77-08/25/83	14	14.	29.643	200.	0.5	2848.363	53.37	0.5	1.	22.75	141.5
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	03/17/77-08/25/83	14	1.142	0.919	2.301	-0.301	0.65	0.806	-0.301	0.	1.356	2.11
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			8.3								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/17/77-08/25/83	14	225.	544.286	1500.	15.	383432.374	619.219	17.5	33.75	1325.	1500.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/17/77-08/25/83	14	2.286	2.264	3.176	1.176	0.595	0.771	1.239	1.527	3.122	3.176

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			183.481								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/21/75-07/22/76	3	61.	242.333	660.	6.	131590.333	362.754	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/21/75-07/22/76	3	1.785	1.794	2.82	0.778	1.042	1.021	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			62.279								
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/04/76-08/25/83	16	72.5	65.313	100.	30.	677.696	26.033	31.4	38.5	88.25	100.
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/18/79-07/08/80	3	0.02	0.013	0.02	0.	0.	0.012	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/18/79-08/25/83	9	0.09	0.087	0.18	0.03	0.002	0.048	0.03	0.045	0.12	0.18
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/21/75-04/15/82	13	1.9	2.162	3.8	1.2	0.591	0.769	1.24	1.55	2.85	3.48
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/21/75-08/25/83	17	3.	6.176	19.	1.	31.904	5.648	1.	1.	10.5	15.8
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/21/75-08/24/82	15	3.8	18.683	77.	0.59	741.705	27.234	0.614	1.1	28.	74.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0115

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	15	0	0.00	5	0	0.00				4	0	0.00	6	0	0.00
00400	PH	Other-Hi Lim.	9.	16	0	0.00	6	0	0.00				4	0	0.00	6	0	0.00
		Other-Lo Lim.	6.5	16	1	0.06	6	0	0.00				4	1	0.25	6	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00							1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	17	0	0.00	6	0	0.00				5	0	0.00	6	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	3	0	0.00				3	0	0.00	4	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	16	0	0.00	6	0	0.00				4	0	0.00	6	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	17	0	0.00	6	0	0.00				5	0	0.00	6	0	0.00
		Drinking Water	250.	17	0	0.00	6	0	0.00				5	0	0.00	6	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	14	1	0.07	5	1	0.20				4	0	0.00	5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0116

NPS Station ID: SACN0116
LAT/LON: 45.961587/ -92.074003
Agency: 21WITIS
Date Created: 12/17/88
Location: ROONEY LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 075011 /8270MA075011/4014W115011
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 16.40
On/Off RF1:
RF3 Index: 07030001149503.02
RF3 Mile Point: 6.01
Distance from RF3: 0.42
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/04/87-10/14/87	7	1.23	1.414	2.89	0.33	1.004	1.002	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	10/04/87-10/14/87	7	15.1	16.043	25.5	7.4	51.76	7.194	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	10/04/87-10/14/87	7	0.4	0.327	0.6	0.09	0.033	0.182	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/04/87-10/14/87	7	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0117

NPS Station ID: SACN0117 | LAT/LON: 45.962337/ -92.074170 | Agency: 21WIS | Date Created: 07/24/93
Location: ROONEY LAKE - EAST BASIN | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 073041 /8270AG073041/4014W113041
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 29 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1:
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DISTRICT (715)635-2101 ROONEY LAKE AT THE DEEPEST POINT IN EASTERN BASIN.

Parameter Inventory for Station: SACN0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/93-09/13/94	14	0.014	0.014	0.018	0.01	0.	0.002	0.011	0.012	0.015	0.018
32000	SAMPLE SIZE (LITERS)	05/19/93-09/13/94	7	1000.	1114.286	1500.	800.	74761.905	273.426	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/19/93-09/13/94	7	3.2	3.393	4.99	2.	1.513	1.23	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0118

NPS Station ID: SACN0118
Location: (NO NAME)
Station Type: /TYPA/AMBNT/LAKE
RMI-Indexes:
RMI-Miles:
HUC: 07030002
Major Basin:
Minor Basin:
RF1 Index: 07030002
RF3 Index: 07030001051200.00
Description:

LAT/LON: 45.950004/ -92.079170
Depth of Water: 22
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 12ELS1
FIPS State/County: 55013 WISCONSIN/BURNETT
STORET Station ID(s): 2D2-062
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 23.90
Distance from RF3: 0.08

Date Created: 04/16/88
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: SACN0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/03/84-11/03/84	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/03/84-11/03/84	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	11/03/84-11/03/84	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/03/84-11/03/84	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	11/03/84-11/03/84	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/03/84-11/03/84	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/84-11/03/84	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/84-11/03/84	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/03/84-11/03/84	1	93.2	93.2	93.2	93.2	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/03/84-11/03/84	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/03/84-11/03/84	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/03/84-11/03/84	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	11/03/84-11/03/84	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/03/84-11/03/84	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/03/84-11/03/84	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/03/84-11/03/84	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/03/84-11/03/84	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/03/84-11/03/84	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/03/84-11/03/84	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/03/84-11/03/84	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/03/84-11/03/84	1	22.	22.	22.	22.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/03/84-11/03/84	1	0.058	0.058	0.058	0.058	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/03/84-11/03/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	11/03/84-11/03/84	1	220.	220.	220.	220.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/03/84-11/03/84	1	995.13	995.13	995.13	995.13	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/03/84-11/03/84	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/03/84-11/03/84	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0118

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0118

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0119

NPS Station ID: SACN0119 | LAT/LON: 45.958670/ -92.081838 | Agency: 21WIS | Date Created: 07/24/93
Location: ROONEY LAKE - WEST BASIN | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/VOLUN | STORET Station ID(s): 073042 /8270AG073042/4014W103042
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 30 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id: WI2493100
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1:
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DISTRICT (715)635-2101 ROONEY LAKE AT THE DEEPEST POINT IN WESTERN BASIN.
SOME SAMPLES COLLECTED BY SELF-HELP VOLUNTEERS.

Parameter Inventory for Station: SACN0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/19/93-09/13/94	14	0.015	0.019	0.033	0.01	0.	0.009	0.01	0.011	0.029	0.033
32000	SAMPLE SIZE (LITERS)	05/19/93-09/13/94	7	1000.	1071.429	1500.	1000.	35714.286	188.982	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/19/93-09/13/94	7	3.01	3.334	5.64	2.15	1.262	1.123	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0120

NPS Station ID: SACN0120
LAT/LON: 45.877781/ -92.084448
Agency: 112WRD
Date Created: 12/01/84
Location: RICE LAKE NEAR SPOONER, WI
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 455240092050401
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 21.40
On/Off RF1:
RF3 Index: 07030001149503.02
RF3 Mile Point: 6.41
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/84-08/27/86	3	19.	19.833	22.5	18.	5.583	2.363	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/84-08/27/86	3	200.	191.667	225.	150.	1458.333	38.188	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/20/84-08/27/86	3	9.7	10.1	11.9	8.7	2.68	1.637	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/84-08/27/86	3	7.8	8.033	8.9	7.4	0.603	0.777	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/84-08/27/86	3	7.8	7.722	8.9	7.4	0.749	0.865	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/84-08/27/86	3	0.016	0.019	0.04	0.001	0.	0.019	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/20/84-08/27/86	2	8.2	8.2	8.4	8.	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/20/84-08/27/86	2	8.155	8.155	8.4	8.	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/84-08/27/86	2	0.007	0.007	0.01	0.004	0.	0.004	**	**	**	**
00496	LOSS ON IGNITION, BOTTOM DEPOSITS (MG/KG)	09/05/85-08/27/86	2	317795.	317795.	628000.	7590.192454284050.		438696.118	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/84-08/20/84	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/27/86-08/27/86	1	0.58	0.58	0.58	0.58	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/20/84-08/27/86	2 ##	0.018	0.018	0.03	0.005	0.	0.018	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/84-08/27/86	2	0.045	0.045	0.07	0.02	0.001	0.035	**	**	**	**
00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	08/20/84-08/27/86	3	180.	136.	220.	8.	12688.	112.641	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/84-08/27/86	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/84-08/27/86	2	0.85	0.85	1.1	0.6	0.125	0.354	**	**	**	**
00626	NITROGEN,ORG. KJEL.,BOT. DEPOS. (MG/KG-N DRY WGT)	08/20/84-08/27/86	3	1200.	6403.333	18000.	10.	101216033.333	10060.618	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/84-08/27/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/20/84-08/27/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00633	NITRITE PLUS NITRATE,BOT. DEPOS. (MG/KG-N DRY WT)	08/20/84-08/27/86	3	52.	36.667	57.	1.	960.333	30.989	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/84-08/27/86	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/20/84-08/27/86	2 ##	0.013	0.013	0.02	0.005	0.	0.011	**	**	**	**
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	08/20/84-08/27/86	3	1300.	939.	1500.	17.	647563.	804.713	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/20/84-08/27/86	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/86-08/27/86	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/84-08/27/86	2	22.5	22.5	25.	20.	12.5	3.536	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/20/84-08/27/86	2	7.35	7.35	8.7	6.	3.645	1.909	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/20/84-08/27/86	2	3.25	3.25	3.9	2.6	0.845	0.919	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/27/86-08/27/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/27/86-08/27/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/20/84-08/27/86	2	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/20/84-08/27/86	2	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/84-08/27/86	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/20/84-08/27/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/20/84-08/27/86	2	15.	15.	16.	14.	2.	1.414	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/84-08/27/86	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/20/84-08/20/84	1	18.	18.	18.	18.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01007	BARIUM, TOTAL (UG/L AS BA)	08/20/84-08/27/86	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/20/84-08/20/84	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/20/84-08/27/86	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/20/84-08/27/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/20/84-08/27/86	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/20/84-08/27/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/20/84-08/27/86	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	08/27/86-08/27/86	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/20/84-08/27/86	2	315.	315.	440.	190.	31250.	176.777	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/20/84-08/27/86	2	55.5	55.5	56.	55.	0.5	0.707	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/20/84-08/27/86	2 ##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/27/86-08/27/86	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/20/84-08/27/86	2	60.	60.	70.	50.	200.	14.142	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/20/84-08/27/86	2	7.	7.	7.	7.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/20/84-08/27/86	2	2.5	2.5	4.	1.	4.5	2.121	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/20/84-08/20/84	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/20/84-08/27/86	2	17.	17.	21.	13.	32.	5.657	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/20/84-08/27/86	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/84-08/27/86	2	39.	39.	44.	34.	50.	7.071	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/20/84-08/27/86	2 ##	17.5	17.5	30.	5.	312.5	17.678	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	08/20/84-08/20/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/20/84-08/27/86	2 ##	37.5	37.5	70.	5.	2112.5	45.962	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/20/84-08/27/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/20/84-08/27/86	2	118.5	118.5	129.	108.	220.5	14.849	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/27/86-08/27/86	1	99.	99.	99.	99.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/84-08/27/86	2	0.03	0.03	0.05	0.01	0.001	0.028	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/27/86-08/27/86	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/27/86-08/27/86	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/20/84-08/27/86	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0120

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	3	0	0.00									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00	2	0	0.00									
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	1	0	0.00	1	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	2	0	0.00									
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0120

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00	1	0	0.00									
		Drinking Water	6.	1	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0121

NPS Station ID: SACN0121
LAT/LON: 45.889976/ -92.091031
Agency: 21WITIS
Date Created: 02/11/89
Location: BENOIT LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 075014 /8270MA075014/3914W035014
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 3.40
On/Off RF1:
RF3 Index: 07030005002007.48
RF3 Mile Point: 8.63
Distance from RF3: 0.12
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0121

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0122

NPS Station ID: SACN0122
LAT/LON: 45.978337/ -92.106170
Agency: 21WITIS
Date Created: 11/14/92
Location: FISH LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 075020 /8270MA075020/4014W045020
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 11.40
On/Off RF1:
RF3 Index: 07030001041100.00
RF3 Mile Point: 2.58
Distance from RF3: 0.47
On/Off RF3:
Description:
STATION FOR JIM AMRHEIN OF MADISON (608)266-5325 FISH CONTAMINANT MONITORING PROGRAM

Parameter Inventory for Station: SACN0122

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0123

NPS Station ID: SACN0123
LAT/LON: 45.898337/ -92.111392
Agency: 112WRD
Date Created: 12/01/84
Location: GASLYN LAKE NEAR SPOONER, WI
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 455354092064101
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 9.30
On/Off RF1:
RF3 Index: 07030001001601.35
RF3 Mile Point: 1.34
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/84-08/27/86	3	20.5	21.167	24.	19.	6.583	2.566	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/20/84-08/20/84	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/84-08/27/86	3	134.	141.333	160.	130.	265.333	16.289	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/20/84-08/27/86	3	6.4	6.8	8.	6.	1.12	1.058	**	**	**	**
00400	PH (STANDARD UNITS)	09/05/85-08/27/86	2	7.1	7.1	7.6	6.6	0.5	0.707	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/05/85-08/27/86	2	6.86	6.86	7.6	6.6	0.616	0.785	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/05/85-08/27/86	2	0.138	0.138	0.251	0.025	0.026	0.16	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/20/84-08/27/86	2	7.55	7.55	7.8	7.3	0.125	0.354	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/20/84-08/27/86	2	7.482	7.482	7.8	7.3	0.134	0.367	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/84-08/27/86	2	0.033	0.033	0.05	0.016	0.001	0.024	**	**	**	**
00496	LOSS ON IGNITION, BOTTOM DEPOSITS (MG/KG)	09/05/85-08/27/86	2	464500.	464500.	504000.	425000.	3120500000.	55861.436	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/84-08/20/84	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/27/86-08/27/86	1	0.87	0.87	0.87	0.87	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/20/84-08/27/86	2 ##	0.013	0.013	0.02	0.005	0.	0.011	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/84-08/27/86	2 ##	0.018	0.018	0.03	0.005	0.	0.018	**	**	**	**
00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	08/20/84-08/27/86	3	280.	303.333	380.	250.	4633.333	68.069	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/84-08/27/86	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/84-08/27/86	2	1.1	1.1	1.3	0.9	0.08	0.283	**	**	**	**
00626	NITROGEN,ORG. KJEL.,BOT. DEPOS. (MG/KG-N DRY WGT)	08/20/84-08/27/86	3	52000.	41670.	73000.	10.	1411916700.	37575.48	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/84-08/27/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/20/84-08/27/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00633	NITRITE PLUS NITRATE,BOT. DEPOS. (MG/KG-N DRY WT)	08/20/84-08/27/86	3	11.	97.333	280.	1.	25050.333	158.273	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/84-08/27/86	2	0.03	0.03	0.04	0.02	0.	0.014	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/20/84-08/27/86	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	08/20/84-08/27/86	3	920.	1200.	2400.	280.	1182400.	1087.382	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/20/84-08/27/86	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/86-08/27/86	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/84-08/27/86	2	20.	20.	21.	19.	2.	1.414	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/20/84-08/27/86	2	5.4	5.4	5.8	5.	0.32	0.566	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/20/84-08/27/86	2	2.55	2.55	2.7	2.4	0.045	0.212	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/27/86-08/27/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/27/86-08/27/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/20/84-08/27/86	2	0.7	0.7	0.8	0.6	0.02	0.141	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/20/84-08/27/86	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/84-08/27/86	2	7.	7.	9.	5.	8.	2.828	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/20/84-08/27/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/20/84-08/27/86	2	18.	18.	19.	17.	2.	1.414	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/84-08/27/86	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/20/84-08/20/84	1	62.	62.	62.	62.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/20/84-08/27/86	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/20/84-08/20/84	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/20/84-08/27/86	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/20/84-08/27/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/20/84-08/27/86	2	4.	4.	4.	4.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/20/84-08/27/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/20/84-08/27/86	2	4.	4.	4.	4.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	08/27/86-08/27/86	1	710.	710.	710.	710.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/20/84-08/27/86	2	1500.	1500.	1700.	1300.	80000.	282.843	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/20/84-08/27/86	2	775.	775.	960.	590.	68450.	261.63	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/20/84-08/27/86	2 ##	2.25	2.25	2.5	2.	0.125	0.354	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/27/86-08/27/86	1	180.	180.	180.	180.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/20/84-08/27/86	2	280.	280.	370.	190.	16200.	127.279	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/20/84-08/27/86	2	134.	134.	260.	8.	31752.	178.191	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/20/84-08/27/86	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/20/84-08/20/84	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/20/84-08/27/86	2	18.5	18.5	25.	12.	84.5	9.192	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/20/84-08/27/86	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/20/84-08/27/86	2	40.	40.	43.	37.	18.	4.243	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/20/84-08/27/86	2	30.	30.	30.	30.	0.	0.	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	08/20/84-08/20/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/20/84-08/27/86	2 ##	37.5	37.5	70.	5.	2112.5	45.962	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/20/84-08/27/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/20/84-08/27/86	2	115.	115.	124.	106.	162.	12.728	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/27/86-08/27/86	1	98.	98.	98.	98.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/84-08/27/86	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/27/86-08/27/86	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/27/86-08/27/86	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/20/84-08/27/86	2 ##	0.275	0.275	0.5	0.05	0.101	0.318	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0123

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	3	0	0.00									
00400	PH	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00	2	0	0.00									
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	1	0	0.00	1	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	2	0	0.00									
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0123

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00	1	0	0.00									
		Drinking Water	6.	1	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0124

NPS Station ID: SACN0124
LAT/LON: 45.971504/ -92.117170
Agency: 21WIS
Date Created: 09/05/92
Location: FISH L (4-40-14) EAST BASIN
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/VOLUN
STORET Station ID(s): 073077 /8270AG073077/4014W083077
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 25
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id: WI2464500
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 25.00
On/Off RF1:
RF3 Index: 07030001006601.96
RF3 Mile Point: 1.96
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DISTRICT (715)635-4073 FISH LAKE AT DEEPEST POINT IN THE EASTERN BASIN (T40N R14W S08).
SOME SAMPLES COLLECTED BY SELF-HELP VOLUNTEERS.

Parameter Inventory for Station: SACN0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/31/93-07/11/94	4	22.3	22.925	26.1	21.	5.183	2.277	**	**	**	**
00032	CLOUD COVER (PERCENT)	05/05/93-08/31/93	4	7.5	7.5	10.	5.	8.333	2.887	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/05/93-08/31/93	4	13.5	13.5	16.	11.	8.333	2.887	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/93-09/19/94	9	0.011	0.012	0.023	0.005	0.	0.005	0.005	0.009	0.014	0.023
32000	SAMPLE SIZE (LITERS)	05/05/93-09/19/94	5	1000.	960.	1000.	800.	8000.	89.443	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/05/93-09/19/94	5	3.97	3.658	5.06	2.34	1.586	1.259	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0125

NPS Station ID: SACN0125
LAT/LON: 46.005670/ -92.123338
Agency: 21WIL
Date Created: 08/29/92
Location: LONG LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 074018 /8270AG074018/4114W284018
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 40
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 21.40
On/Off RF1:
RF3 Index: 07030001062700.00
RF3 Mile Point: 1.19
Distance from RF3: 0.33
On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	2	2.25	2.25	2.4	2.1	0.045	0.212	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	2	238.	238.	238.	238.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	2	124.5	124.5	134.	115.	180.5	13.435	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	2	6.	6.	9.3	2.7	21.78	4.667	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/79-08/15/79	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	2	53.	53.	55.	51.	8.	2.828	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	2	0.445	0.445	0.52	0.37	0.011	0.106	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	2	0.35	0.35	0.41	0.29	0.007	0.085	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	2	0.065	0.065	0.08	0.05	0.	0.021	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	2 ##	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	2 ##	0.014	0.014	0.023	0.005	0.	0.013	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	2	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	2	12.	12.	13.	11.	2.	1.414	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	2	80.	80.	100.	60.	800.	28.284	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	2	3.29	3.29	3.29	3.29	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	2 ##	0.065	0.065	0.09	0.04	0.001	0.035	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0125

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0125

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50	2	1	0.50									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0126

NPS Station ID: SACN0126
LAT/LON: 45.894338/ -92.125837
Agency: 21WIL
Date Created: 08/29/92
Location: GASLYN LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 074011 /8270AG074011/3914W054011
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 12
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030001006606.17
RF3 Mile Point: 6.17
Distance from RF3: 0.04
On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/12/79-08/12/79	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/12/79-08/12/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/12/79-08/12/79	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/12/79-08/12/79	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/79-08/12/79	1	203.	203.	203.	203.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/12/79-08/12/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/79-08/12/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/79-08/12/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/79-08/12/79	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/79-08/12/79	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/12/79-08/12/79	1	1.39	1.39	1.39	1.39	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/12/79-08/12/79	1	0.74	0.74	0.74	0.74	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/12/79-08/12/79	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/12/79-08/12/79	1	0.024	0.024	0.024	0.024	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/12/79-08/12/79	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/12/79-08/12/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/12/79-08/12/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/12/79-08/12/79	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/79-08/12/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/79-08/12/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/12/79-08/12/79	1	29.99	29.99	29.99	29.99	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/12/79-08/12/79	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0126

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0126

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0127

NPS Station ID: SACN0127 | LAT/LON: 46.029670/ -92.129170 | Agency: 21WIS | Date Created: 03/20/93
Location: WEBB LAKE SO BASIN AT DEEP PT | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 073082 /8270AG073082/4114W163082
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 15 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1:
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTH WEST DIST (715)635-2101 WEBB LAKE AT THE DEEPEST POINT IN THE SOUTHERN BASIN.
(THAT PART OF LAKE SOUTH OF HWY 77)

Parameter Inventory for Station: SACN0127

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/16/93-11/01/94	19	0.025	0.039	0.188	0.01	0.002	0.045	0.012	0.02	0.032	0.134
32000	SAMPLE SIZE (LITERS)	06/17/93-11/01/94	11	800.	772.727	1000.	500.	38181.818	195.402	500.	500.	1000.	1000.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/17/93-11/01/94	11	7.95	9.269	20.5	2.68	24.901	4.99	3.238	5.99	13.7	19.18

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0128

NPS Station ID: SACN0128 | LAT/LON: 45.970670/ -92.130171 | Agency: 21WIS | Date Created: 03/06/93
Location: FISH L WEST BASIN (4-40-14) | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 073081 /8270AG073081/4014W083081
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 29 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1:
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-4073 FISH LAKE IN SEC 8, T40N, R14W AT THE DEEPEST POINT IN THE WESTERN BASIN.

Parameter Inventory for Station: SACN0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/31/93-07/11/94	4	20.	19.4	23.8	13.8	23.147	4.811	**	**	**	**
00032	CLOUD COVER (PERCENT)	05/05/93-08/31/93	4	7.5	7.5	10.	5.	8.333	2.887	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/05/93-08/31/93	4	16.75	16.75	20.	13.5	14.083	3.753	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/93-09/19/94	9	0.013	0.015	0.024	0.009	0.	0.005	0.009	0.011	0.02	0.024
32000	SAMPLE SIZE (LITERS)	05/05/93-09/19/94	5	1000.	1100.	1500.	1000.	50000.	223.607	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/05/93-09/19/94	5	2.4	2.638	3.45	1.75	0.532	0.729	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0129

NPS Station ID: SACN0129
LAT/LON: 46.116642/ -92.131309
Agency: 21WIS
Date Created: / /
Location: ST CROIX R AT CCC BRIDGE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 073001 /8270AA073001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 20
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001022
RF1 Mile Point: 1.040
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030001001600.01
RF3 Mile Point: 0.00
Distance from RF3: 0.20
On/Off RF3:
Description:
ST. CROIX R AT FIRST BRDG-HWY 35-DNSTRM FROM CONFLUENCE WITH NAMEKAGON OIX R AT FIRST BRDG-HWY 35-UPSTRM FROM CONFLUENCE WITH NAMEKAGON.
500. LOCATED ON ST CROIX R NEAR DANBURY. LAT/LONG CORRECTED PER NILE OSTENSO 1/5/94.

Parameter Inventory for Station: SACN0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/72-01/25/77	58	9.5	10.243	27.2	0.	84.75	9.206	0.	1.	18.5	23.82
00040	WIND DIRECTION, AZIMUTH	01/06/75-01/06/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	03/22/72-09/19/73	19	562.	670.	1586.	370.	117639.778	342.987	372.	462.	693.	1398.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/18/74-01/25/77	29	1.4	1.959	7.8	0.6	3.597	1.897	0.7	0.95	1.7	6.
00080	COLOR (PLATINUM-COBALT UNITS)	03/22/72-01/25/77	59	35.	41.78	160.	5.	948.071	30.791	10.	20.	55.	80.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/75-01/25/77	19	102.	102.632	140.	54.	490.579	22.149	58.	95.	114.	136.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-01/25/77	56	10.05	10.405	13.6	6.6	3.621	1.903	8.	8.725	11.975	13.06
00310	BOD, 5 DAY, 20 DEG C MG/L	03/22/72-01/25/77	50	1.8	1.949	4.1	0.15	0.762	0.873	0.9	1.5	2.5	3.08
00312	BOD, 6 DAY, 20 DEG C MG/L	08/27/73-10/25/76	8	2.65	2.5	4.	1.5	0.643	0.802	**	**	**	**
00400	PH (STANDARD UNITS)	03/22/72-01/25/77	58	7.2	7.326	8.6	6.8	0.095	0.308	7.	7.2	7.4	7.62
00400	CONVERTED PH (STANDARD UNITS)	03/22/72-01/25/77	58	7.2	7.25	8.6	6.8	0.101	0.317	7.	7.2	7.4	7.62
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/72-01/25/77	58	0.063	0.056	0.158	0.003	0.001	0.029	0.024	0.04	0.063	0.1
00403	PH, LAB, STANDARD UNITS SU	01/03/73-01/25/77	49	7.4	7.406	8.5	6.4	0.117	0.342	7.	7.3	7.6	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-01/25/77	49	7.4	7.262	8.5	6.4	0.138	0.371	7.	7.3	7.6	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-01/25/77	49	0.04	0.055	0.398	0.003	0.004	0.062	0.016	0.025	0.05	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	59	46.	45.22	72.	19.	145.14	12.047	28.	38.	54.	58.
00500	RESIDUE, TOTAL (MG/L)	03/22/72-01/25/77	59	84.	83.492	120.	60.	180.496	13.435	66.	70.	94.	100.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/15/75-01/25/77	18	24.	24.222	50.	8.	92.654	9.626	11.6	18.	28.	39.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/22/72-01/25/77	59	3.	2.949	10.	0.	5.394	2.322	0.	1.	4.	6.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/22/72-01/25/77	58	1.	1.759	9.	0.	3.906	1.976	0.	0.	2.	4.1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/18/72-01/25/77	20	0.36	0.33	0.63	0.005	0.032	0.179	0.023	0.19	0.488	0.53
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/18/72-01/25/77	20	0.07	0.121	0.96	0.01	0.042	0.204	0.021	0.04	0.1	0.224
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	01/16/74-07/11/74	3	0.003	0.003	0.005	0.002	0.	0.002	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/18/72-07/11/74	10	0.06	0.058	0.12	0.005	0.001	0.037	0.007	0.028	0.08	0.119
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/10/74-01/25/77	10	0.055	0.055	0.1	0.01	0.002	0.041	0.01	0.01	0.1	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/72-01/25/77	20	0.02	0.025	0.06	0.01	0.	0.016	0.01	0.01	0.038	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/03/73-01/25/77	17	0.008	0.011	0.03	0.001	0.	0.009	0.001	0.006	0.019	0.026
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	59	48.	48.322	74.	24.	129.463	11.378	30.	44.	56.	64.
00940	CHLORIDE,TOTAL IN WATER MG/L	03/22/72-01/25/77	59	0.	0.263	2.	0.	0.132	0.364	0.	0.	0.5	0.5
00956	SILICA, TOTAL (MG/L AS SI02)	09/27/74-07/08/75	9	10.	11.022	16.	7.1	9.272	3.045	7.1	8.35	13.7	16.
01002	ARSENIC, TOTAL (UG/L AS AS)	02/12/76-02/12/76	1	58.	58.	58.	58.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/73-04/28/75	8	185.	277.5	800.	50.	73621.429	271.333	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/03/73-04/28/75	8	2.266	2.277	2.903	1.699	0.162	0.402	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			189.056								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/11/73-01/25/77	38 ##	5.	10.921	100.	5.	291.696	17.079	5.	5.	10.	21.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/11/73-01/25/77	38 ##	0.699	0.867	2.	0.699	0.092	0.303	0.699	0.699	1.	1.319
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			7.364								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/22/72-10/24/73	19	5.	12.895	60.	2.5	244.627	15.641	2.5	5.	10.	45.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/22/72-10/24/73	19	0.699	0.91	1.778	0.398	0.152	0.39	0.398	0.699	1.	1.653
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.134								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0129

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	29	0	0.00	11	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	56	0	0.00	20	0	0.00	13	0	0.00	5	0	0.00	18	0	0.00
00400	PH	Other-Hi Lim.	9.	58	0	0.00	20	0	0.00	13	0	0.00	6	0	0.00	19	0	0.00
		Other-Lo Lim.	6.5	58	0	0.00	20	0	0.00	13	0	0.00	6	0	0.00	19	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	49	0	0.00	16	0	0.00	13	0	0.00	5	0	0.00	15	0	0.00
		Other-Lo Lim.	6.5	49	1	0.02	16	0	0.00	13	1	0.08	5	0	0.00	15	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	3	0	0.00				1	0	0.00				2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	10	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	5	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	10	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	59	0	0.00	20	0	0.00	14	0	0.00	6	0	0.00	19	0	0.00
		Drinking Water	250.	59	0	0.00	20	0	0.00	14	0	0.00	6	0	0.00	19	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	1	1.00				1	1	1.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	8	0	0.00	1	0	0.00	3	0	0.00				4	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	38	0	0.00	12	0	0.00	11	0	0.00	4	0	0.00	11	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	19	0	0.00	7	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station SACN0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/72-01/25/77	10	16.5	12.17	24.	1.	88.422	9.403	1.	1.525	19.25	23.9
00080	COLOR (PLATINUM-COBALT UNITS)	03/22/72-01/25/77	10	65.	69.5	160.	25.	1708.056	41.329	26.	35.	87.5	155.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-01/25/77	9	8.6	10.078	13.4	7.8	5.017	2.24	7.8	8.25	12.35	13.4
00310	BOD, 5 DAY, 20 DEG C MG/L	03/22/72-01/25/77	10	1.1	1.31	2.5	0.3	0.439	0.662	0.36	0.9	1.875	2.46
00400	PH (STANDARD UNITS)	03/22/72-01/25/77	10	7.2	7.22	7.5	6.8	0.042	0.204	6.82	7.15	7.4	7.49
00400	CONVERTED PH (STANDARD UNITS)	03/22/72-01/25/77	10	7.2	7.172	7.5	6.8	0.044	0.21	6.82	7.15	7.4	7.49
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/72-01/25/77	10	0.063	0.067	0.158	0.032	0.001	0.037	0.032	0.04	0.072	0.153
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	10	44.	42.	55.	19.	134.	11.576	20.1	33.	52.5	54.9
00500	RESIDUE, TOTAL (MG/L)	03/22/72-01/25/77	10	90.	90.8	120.	66.	215.289	14.673	67.4	81.5	100.	118.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/22/72-01/25/77	10	5.	5.3	10.	0.	6.678	2.584	0.4	4.75	6.5	9.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/22/72-01/25/77	10	2.	2.4	9.	0.	8.267	2.875	0.	0.	3.5	8.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	10	46.	44.9	60.	26.	103.656	10.181	26.9	35.75	52.5	59.4
00940	CHLORIDE,TOTAL IN WATER MG/L	03/22/72-01/25/77	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/72-01/25/77	12	9.5	9.917	24.	0.	78.992	8.888	0.	1.	18.75	23.1
00080	COLOR (PLATINUM-COBALT UNITS)	03/22/72-01/25/77	12	40.	43.333	80.	20.	310.606	17.624	20.	30.	55.	74.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-01/25/77	12	10.1	10.317	13.5	7.4	4.48	2.117	7.52	8.2	12.575	13.29
00310	BOD, 5 DAY, 20 DEG C MG/L	03/22/72-01/25/77	11	1.8	1.745	2.8	1.2	0.213	0.461	1.2	1.5	1.9	2.68
00400	PH (STANDARD UNITS)	03/22/72-01/25/77	12	7.25	7.275	7.6	7.	0.046	0.214	7.	7.05	7.4	7.6
00400	CONVERTED PH (STANDARD UNITS)	03/22/72-01/25/77	12	7.247	7.228	7.6	7.	0.048	0.219	7.	7.05	7.4	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/72-01/25/77	12	0.057	0.059	0.1	0.025	0.001	0.028	0.025	0.04	0.091	0.1
00403	PH, LAB, STANDARD UNITS SU	01/03/73-01/25/77	12	7.3	7.275	7.8	6.4	0.157	0.396	6.52	7.1	7.625	7.77
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-01/25/77	12	7.3	7.079	7.8	6.4	0.199	0.446	6.52	7.1	7.625	7.77
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-01/25/77	12	0.05	0.083	0.398	0.016	0.011	0.106	0.017	0.025	0.079	0.326
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	12	42.	42.	56.	28.	109.091	10.445	28.	30.5	51.5	56.
00500	RESIDUE, TOTAL (MG/L)	03/22/72-01/25/77	12	84.	85.167	104.	68.	101.424	10.071	69.2	80.5	89.5	102.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/22/72-01/25/77	12	3.	3.25	8.	0.	4.932	2.221	0.3	2.	4.75	7.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/22/72-01/25/77	12	1.	1.75	5.	0.	1.841	1.357	0.3	1.	2.75	4.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	12	50.	50.	64.	32.	101.091	10.054	32.6	45.	56.	64.
00940	CHLORIDE,TOTAL IN WATER MG/L	03/22/72-01/25/77	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/72-01/25/77	12	7.	9.292	23.	1.	74.657	8.64	1.	1.25	16.	23.
00080	COLOR (PLATINUM-COBALT UNITS)	03/22/72-01/25/77	12	20.	31.25	70.	20.	264.205	16.254	20.	20.	40.	64.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-01/25/77	11	10.5	10.827	13.6	8.1	3.498	1.87	8.22	9.4	12.8	13.54
00310	BOD, 5 DAY, 20 DEG C MG/L	03/22/72-01/25/77	12	1.9	2.054	4.1	0.15	1.134	1.065	0.375	1.65	2.425	3.98
00400	PH (STANDARD UNITS)	03/22/72-01/25/77	12	7.25	7.383	8.6	7.	0.18	0.424	7.	7.2	7.475	8.3
00400	CONVERTED PH (STANDARD UNITS)	03/22/72-01/25/77	12	7.247	7.272	8.6	7.	0.193	0.44	7.	7.2	7.475	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/72-01/25/77	12	0.057	0.053	0.1	0.003	0.001	0.029	0.009	0.034	0.063	0.1
00403	PH, LAB, STANDARD UNITS SU	01/03/73-01/25/77	12	7.35	7.4	7.7	7.	0.04	0.2	7.09	7.3	7.575	7.7
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-01/25/77	12	7.347	7.357	7.7	7.	0.042	0.205	7.09	7.3	7.575	7.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-01/25/77	12	0.045	0.044	0.1	0.02	0.	0.021	0.02	0.027	0.05	0.085
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	12	42.5	43.917	58.	24.	81.538	9.03	28.2	40.	51.	57.4
00500	RESIDUE, TOTAL (MG/L)	03/22/72-01/25/77	12	80.	78.833	98.	60.	161.061	12.691	61.2	67.	87.5	98.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/22/72-01/25/77	12	1.	1.583	4.	0.	1.538	1.24	0.	1.	2.75	3.7
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/22/72-01/25/77	11	0.	0.636	2.	0.	0.655	0.809	0.	0.	1.	2.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	12	47.	47.667	64.	28.	101.697	10.084	31.	41.	55.	63.4
00940	CHLORIDE,TOTAL IN WATER MG/L	03/22/72-01/25/77	12	0.	0.083	1.	0.	0.083	0.289	0.	0.	0.	0.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/72-01/25/77	11	13.7	11.864	24.	0.	93.843	9.687	0.2	1.	20.5	23.96
00080	COLOR (PLATINUM-COBALT UNITS)	03/22/72-01/25/77	12	32.5	42.917	140.	10.	1252.083	35.385	11.5	22.5	43.75	122.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-01/25/77	11	10.2	10.2	12.6	6.6	3.382	1.839	6.94	8.9	12.	12.5
00310	BOD, 5 DAY, 20 DEG C MG/L	03/22/72-01/25/77	9	2.5	2.567	4.	1.8	0.42	0.648	1.8	2.05	2.85	4.
00400	PH (STANDARD UNITS)	03/22/72-01/25/77	12	7.35	7.35	7.8	7.	0.046	0.215	7.06	7.2	7.475	7.74
00400	CONVERTED PH (STANDARD UNITS)	03/22/72-01/25/77	12	7.347	7.305	7.8	7.	0.049	0.22	7.06	7.2	7.475	7.74
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/72-01/25/77	12	0.045	0.05	0.1	0.016	0.001	0.023	0.019	0.034	0.063	0.089
00403	PH, LAB, STANDARD UNITS SU	01/03/73-01/25/77	12	7.4	7.392	8.	6.9	0.074	0.271	6.99	7.2	7.5	7.88
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-01/25/77	12	7.4	7.32	8.	6.9	0.079	0.281	6.99	7.2	7.5	7.88
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-01/25/77	12	0.04	0.048	0.126	0.01	0.001	0.03	0.015	0.032	0.063	0.107
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	12	46.	45.583	60.	21.	120.083	10.958	25.8	39.	56.5	59.4
00500	RESIDUE, TOTAL (MG/L)	03/22/72-01/25/77	12	85.	82.333	106.	60.	240.606	15.511	60.6	70.	96.	103.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/22/72-01/25/77	12	2.5	2.5	6.	0.	2.455	1.567	0.3	1.25	3.	5.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/22/72-01/25/77	12	1.5	1.833	6.	0.	3.242	1.801	0.	0.25	2.75	5.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	12	46.	46.333	68.	24.	142.606	11.942	25.8	40.5	55.25	65.
00940	CHLORIDE,TOTAL IN WATER MG/L	03/22/72-01/25/77	12 ##	0.5	0.667	2.	0.5	0.197	0.444	0.5	0.5	0.5	1.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/72-01/25/77	11	8.	10.127	27.2	0.	111.82	10.575	0.04	0.5	22.	26.76
00080	COLOR (PLATINUM-COBALT UNITS)	03/22/72-01/25/77	11	20.	30.	90.	5.	745.	27.295	6.	10.	40.	86.
00300	OXYGEN, DISSOLVED MG/L	04/18/72-01/25/77	11	11.	10.827	13.2	8.2	3.066	1.751	8.32	9.3	12.6	13.14
00310	BOD, 5 DAY, 20 DEG C MG/L	03/22/72-01/25/77	6	2.1	2.283	4.	0.8	1.306	1.143	**	**	**	**
00400	PH (STANDARD UNITS)	03/22/72-01/25/77	11	7.2	7.4	8.4	7.	0.178	0.422	7.02	7.2	7.8	8.28
00400	CONVERTED PH (STANDARD UNITS)	03/22/72-01/25/77	11	7.2	7.277	8.4	7.	0.195	0.441	7.02	7.2	7.8	8.28
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/72-01/25/77	11	0.063	0.053	0.1	0.004	0.001	0.029	0.006	0.016	0.063	0.096
00403	PH, LAB, STANDARD UNITS SU	01/03/73-01/25/77	11	7.5	7.555	8.5	6.7	0.215	0.463	6.76	7.4	7.8	8.36
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-01/25/77	11	7.5	7.334	8.5	6.7	0.268	0.518	6.76	7.4	7.8	8.36
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-01/25/77	11	0.032	0.046	0.2	0.003	0.003	0.057	0.006	0.016	0.04	0.18
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	11	54.	48.	66.	20.	212.8	14.588	20.4	46.	58.	64.4
00500	RESIDUE, TOTAL (MG/L)	03/22/72-01/25/77	11	76.	78.	94.	64.	100.8	10.04	64.8	70.	88.	93.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/22/72-01/25/77	11	2.	2.545	9.	0.	6.673	2.583	0.	1.	3.	8.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/22/72-01/25/77	11	2.	2.182	9.	0.	6.364	2.523	0.	1.	2.	8.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	11	52.	48.364	63.	26.	152.655	12.355	26.	45.	58.	62.
00940	CHLORIDE,TOTAL IN WATER MG/L	03/22/72-01/25/77	11 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/72-01/25/77	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/22/72-01/25/77	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/18/72-01/25/77	2	8.9	8.9	9.3	8.5	0.32	0.566	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/22/72-01/25/77	2	1.85	1.85	2.1	1.6	0.125	0.354	**	**	**	**
00400	PH (STANDARD UNITS)	03/22/72-01/25/77	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/22/72-01/25/77	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/72-01/25/77	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/03/73-01/25/77	2	7.5	7.5	7.6	7.4	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/03/73-01/25/77	2	7.489	7.489	7.6	7.4	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/73-01/25/77	2	0.032	0.032	0.04	0.025	0.	0.01	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	2	71.	71.	72.	70.	2.	1.414	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/22/72-01/25/77	2	102.	102.	110.	94.	128.	11.314	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/22/72-01/25/77	2	2.5	2.5	4.	1.	4.5	2.121	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/22/72-01/25/77	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/22/72-01/25/77	2	71.	71.	74.	68.	18.	4.243	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/22/72-01/25/77	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0130

NPS Station ID: SACN0130 | LAT/LON: 45.997226/ -92.134448 | Agency: 21WITIS | Date Created: 08/01/87
Location: DESMOINES LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 075002 /8270MA075002/4114W325002 /2764200
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 31.90 | On/Off RF1:
RF3 Index: 07030001149900.53 | RF3 Mile Point: 0.53 | Distance from RF3: 0.14 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/01/84-10/01/84	3	0.66	0.697	0.77	0.66	0.004	0.064	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	10/01/84-10/01/84	3	10.8	12.433	16.	10.5	9.563	3.092	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/01/84-10/01/84	3	0.15	0.13	0.16	0.08	0.002	0.044	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0131

NPS Station ID: SACN0131
LAT/LON: 45.986170/ -92.135670
Agency: 21WIS
Date Created: 08/06/94
Location: LONG LAKE NEAR DEEPEST POINT
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/VOLUN
STORET Station ID(s): 073050 /8270AG073050/4114W323050
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 40
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR SCOTT PEARSON OF NORTHWEST DIST (715)635-4073 LONG LAKE NEAR DEEPEST POINT. WATER QUALITY MONITORING SITE FOR SELF HELP PROGRAM.

Parameter Inventory for Station: SACN0131

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0132

NPS Station ID: SACN0132 | LAT/LON: 46.039504/ -92.142171 | Agency: 21WIS | Date Created: 03/20/93
Location: WEBB LAKE NO BASIN AT DEEP PT | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 073083 /8270AG073083/4114W163083
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 30 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1:
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTH WEST DIST (715)635-2101 WEBB LAKE AT THE DEEPEST POINT IN THE SOUTHERN BASIN.
(THAT PART OF LAKE NORTH OF HWY 77)

Parameter Inventory for Station: SACN0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/93-11/01/94	22	0.023	0.032	0.101	0.009	0.001	0.027	0.011	0.016	0.031	0.095
32000	SAMPLE SIZE (LITERS)	06/17/93-11/01/94	11	1000.	927.273	1500.	500.	60181.818	245.32	560.	800.	1000.	1400.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/17/93-11/01/94	11	7.26	8.033	13.4	1.39	15.225	3.902	1.866	4.68	11.6	13.32

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0133

NPS Station ID: SACN0133
LAT/LON: 46.038616/ -92.143616
Agency: 21WIS
Date Created: 08/25/90
Location: WEBB LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 073038 /8270AG073038
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 1.20
On/Off RF1:
RF3 Index: 07030001000601.03
RF3 Mile Point: 1.47
Distance from RF3: 0.00
On/Off RF3:
Description:
STATION FOR CAROLYN RUMERY-BETZ OF MADISON (608)266-8117 EXPANDED SELF HELP VOLUNTEER PROGRAM

Parameter Inventory for Station: SACN0133

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/06/90-10/18/92	12	0.032	0.045	0.15	0.01	0.002	0.04	0.011	0.015	0.068	0.129

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0134

NPS Station ID: SACN0134
LAT/LON: 46.034503/ -92.144003
Agency: 21WITIS
Date Created: 12/03/94
Location: WEBB LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 075028 /8270MA075028/4114W175028
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0134

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0135

NPS Station ID: SACN0135 | LAT/LON: 46.020003/ -92.144003 | Agency: 21WIL | Date Created: 08/29/92
Location: BIG BEAR LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074006 /8270AG074006/4114W204006
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 17 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 13.00 | On/Off RF1:
RF3 Index: 07030001034800.00 | RF3 Mile Point: 0.26 | Distance from RF3: 0.21 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	1	102.	102.	102.	102.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/79-08/15/79	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	1	6.96	6.96	6.96	6.96	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0135

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0135

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0136

NPS Station ID: SACN0136
LAT/LON: 45.951337/ -92.146671
Agency: 21WITIS
Date Created: 12/03/94
Location: BIRCH ISLAND LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 075024 /8270MA075024/4014W185024
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030002
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030002
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0136

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0137

NPS Station ID: SACN0137 | LAT/LON: 45.978504/ -92.147170 | Agency: 21WIL | Date Created: 08/29/92
Location: HANSCOM LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074013 /8270AG074013/4014W064013
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030002 | Depth of Water: 7 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030001050600.00 | RF3 Mile Point: 0.45 | Distance from RF3: 0.17 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	1	113.	113.	113.	113.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/79-08/15/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	0.73	0.73	0.73	0.73	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	1	7.77	7.77	7.77	7.77	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0137

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0137

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0138

NPS Station ID: SACN0138
LAT/LON: 46.150338/ -92.164670
Agency: 21WIL
Date Created: 08/29/92
Location: MCGRAW LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 074022 /8270AG074022/4214W064022
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 25
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 15.40
On/Off RF1:
RF3 Index: 07030001051300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/12/79-08/12/79	2	68.	68.	68.	68.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/12/79-08/12/79	2	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/12/79-08/12/79	2	4.8	4.8	6.1	3.5	3.38	1.838	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/12/79-08/12/79	2	44.	44.	44.	44.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/79-08/12/79	2	111.	111.	117.	105.	72.	8.485	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/12/79-08/12/79	2	3.45	3.45	6.9	0.	23.805	4.879	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/79-08/12/79	2	7.1	7.1	7.2	7.	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/79-08/12/79	2	7.089	7.089	7.2	7.	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/79-08/12/79	2	0.082	0.082	0.1	0.063	0.001	0.026	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/79-08/12/79	2	34.	34.	38.	30.	32.	5.657	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/12/79-08/12/79	2	0.745	0.745	0.92	0.57	0.061	0.247	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/12/79-08/12/79	2	0.6	0.6	0.63	0.57	0.002	0.042	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	2	0.27	0.27	0.33	0.21	0.007	0.085	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	2	0.143	0.143	0.28	0.006	0.038	0.194	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/12/79-08/12/79	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/12/79-08/12/79	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/12/79-08/12/79	2	8.5	8.5	10.	7.	4.5	2.121	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/12/79-08/12/79	2	3.	3.	3.	3.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/12/79-08/12/79	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/12/79-08/12/79	2	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/12/79-08/12/79	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/79-08/12/79	2 ##	357.5	357.5	700.	15.	234612.5	484.368	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/12/79-08/12/79	2	23.13	23.13	23.13	23.13	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/12/79-08/12/79	2	2.395	2.395	4.7	0.09	10.626	3.26	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0138

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0138

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0139

NPS Station ID: SACN0139
LAT/LON: 45.922505/ -92.166337
Agency: 21WIL
Date Created: 08/29/92
Location: SAND LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 074029 /8270AG074029/4015W254029
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 73
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 8.20
On/Off RF1:
RF3 Index: 07030005201601.60
RF3 Mile Point: 1.79
Distance from RF3: 0.13
On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	3	70.	70.	70.	70.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	3	15.	15.	15.	15.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	2	1.6	1.6	1.9	1.3	0.18	0.424	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	3	216.	216.	216.	216.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	2	136.5	136.5	143.	130.	84.5	9.192	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	2	4.65	4.65	8.6	0.7	31.205	5.586	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	2	7.45	7.45	7.5	7.4	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/14/79-08/14/79	2	7.447	7.447	7.5	7.4	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/79-08/14/79	2	0.036	0.036	0.04	0.032	0.	0.006	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	2	48.5	48.5	51.	46.	12.5	3.536	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	2	0.295	0.295	0.33	0.26	0.002	0.049	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	2	0.18	0.18	0.21	0.15	0.002	0.042	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	3 ##	0.005	0.018	0.044	0.005	0.001	0.023	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	3	13.	12.333	14.	10.	4.333	2.082	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	3	3.	3.	3.	3.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	3	1.	1.	1.	1.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	3	0.6	0.483	0.6	0.25	0.041	0.202	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	3	200.	333.333	700.	100.	103333.333	321.455	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	3	4.83	4.83	4.83	4.83	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	3	0.33	0.593	1.16	0.29	0.241	0.491	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0139

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0139

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0140

NPS Station ID: SACN0140 | LAT/LON: 45.916670/ -92.166671 | Agency: 21WITIS | Date Created: 12/17/88
Location: NORTH SAND LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 075012 /8270MA075012/4015W255012
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030002041700.00 | RF3 Mile Point: 2.01 | Distance from RF3: 0.14 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	04/19/88-04/19/88	2	7.055	7.055	8.44	5.67	3.836	1.959	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	04/19/88-04/19/88	2	26.4	26.4	28.3	24.5	7.22	2.687	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	04/19/88-04/19/88	2	0.7	0.7	0.9	0.5	0.08	0.283	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/19/88-04/19/88	2	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0141

NPS Station ID: SACN0141 | LAT/LON: 45.978504/ -92.167338 | Agency: 21WIL | Date Created: 08/29/92
Location: LOON LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074019 /8270AG074019/4015W014019
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 24 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030002039200.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.17 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	2	30.	30.	30.	30.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	2	2.5	2.5	2.6	2.4	0.02	0.141	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	2	78.	78.	78.	78.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	2	133.5	133.5	134.	133.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	2	6.8	6.8	7.4	6.2	0.72	0.849	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/79-08/15/79	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	2	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	2	52.5	52.5	53.	52.	0.5	0.707	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	2	0.56	0.56	0.57	0.55	0.	0.014	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	2	0.375	0.375	0.38	0.37	0.	0.007	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	2	0.085	0.085	0.15	0.02	0.008	0.092	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	2 ##	0.012	0.012	0.018	0.005	0.	0.009	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	2	14.	14.	14.	14.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	4	30.1	65.065	200.	0.06	8888.742	94.28	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	2	13.35	13.35	13.35	13.35	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	2 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0141

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0141

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00	2	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0142

NPS Station ID: SACN0142 | LAT/LON: 45.918337/ -92.168171 | Agency: 21WIS | Date Created: 03/06/93
Location: SAND L (NO) AT DEEPEST POINT | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/VOLUN | STORET Station ID(s): 073080 /8270AG073080/4015W253080
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 70 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id: WI2495100
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1:
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-4073 SAND LAKE (NO SAND L) T40N, R15W, SEC25 AT DEEPEST POINT.
SOME SAMPLES COLLECTED BY SELF-HELP VOLUNTEERS.

Parameter Inventory for Station: SACN0142

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-09/12/94	7	19.4	17.829	22.7	10.	27.132	5.209	**	**	**	**
00032	CLOUD COVER (PERCENT)	06/30/93-06/02/94	5	0.	40.	100.	0.	3000.	54.772	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/30/93-09/12/94	10	24.	23.3	26.	20.	4.4	2.098	20.	21.875	24.5	26.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/30/93-09/12/94	14	0.012	0.015	0.06	0.002	0.	0.016	0.003	0.005	0.015	0.051
32000	SAMPLE SIZE (LITERS)	06/30/93-09/12/94	9	1500.	1222.222	1500.	0.	319444.444	565.194	0.	1000.	1500.	1500.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/30/93-09/12/94	9	1.68	1.528	2.72	0.	0.55	0.741	0.	1.155	1.875	2.72

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0143

NPS Station ID: SACN0143 | LAT/LON: 45.894670/ -92.186503 | Agency: 21WIL | Date Created: 08/29/92
Location: MALLARD LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074021 /8270AG074021/3915W024021
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 35 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 23.60 | On/Off RF1:
RF3 Index: 07030001006601.96 | RF3 Mile Point: 1.96 | Distance from RF3: 0.19 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0143

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	2	68.	68.	68.	68.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	2	2.35	2.35	3.	1.7	0.845	0.919	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	2	126.	126.	126.	126.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	2	129.	129.	138.	120.	162.	12.728	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	2	5.4	5.4	9.5	1.3	33.62	5.798	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/14/79-08/14/79	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/79-08/14/79	2	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	2	45.5	45.5	49.	42.	24.5	4.95	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	2	0.27	0.27	0.34	0.2	0.01	0.099	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	2	0.205	0.205	0.26	0.15	0.006	0.078	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2	0.055	0.055	0.07	0.04	0.	0.021	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	2 ##	0.009	0.009	0.012	0.005	0.	0.005	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	2 ##	0.004	0.004	0.005	0.003	0.	0.002	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	2	12.	12.	13.	11.	2.	1.414	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	2	3.	3.	3.	3.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	2 ##	0.425	0.425	0.6	0.25	0.061	0.247	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	2	145.	145.	200.	90.	6050.	77.782	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	2	5.38	5.38	5.38	5.38	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	2 ##	0.145	0.145	0.25	0.04	0.022	0.148	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0143

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0143

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0144

NPS Station ID: SACN0144 | LAT/LON: 45.922671/ -92.187170 | Agency: 21WIL | Date Created: 08/29/92
Location: GREEN LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074012 /8270AG074012/4015W264012
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 6 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 11.60 | On/Off RF1:
RF3 Index: 07030001152201.77 | RF3 Mile Point: 3.03 | Distance from RF3: 0.33 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	1	0.131	0.131	0.131	0.131	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	1	10.52	10.52	10.52	10.52	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0144

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0145

NPS Station ID: SACN0145 | LAT/LON: 46.005337/ -92.206503 | Agency: 21WIL | Date Created: 08/29/92
Location: TWENTY SIX LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074032 /8270AG074032/4115W264032
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 45 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030001006604.02 | RF3 Mile Point: 4.01 | Distance from RF3: 0.13 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	2	72.	72.	72.	72.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	2	2.5	2.5	3.1	1.9	0.72	0.849	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	2	132.	132.	132.	132.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	2	131.	131.	135.	127.	32.	5.657	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	2	5.2	5.2	9.1	1.3	30.42	5.515	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	2	7.55	7.55	7.7	7.4	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/79-08/15/79	2	7.525	7.525	7.7	7.4	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	2	0.03	0.03	0.04	0.02	0.	0.014	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	2	50.5	50.5	51.	50.	0.5	0.707	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	2	0.455	0.455	0.46	0.45	0.	0.007	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	2	0.305	0.305	0.32	0.29	0.	0.021	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	2	0.12	0.12	0.14	0.1	0.001	0.028	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	2	0.018	0.018	0.025	0.01	0.	0.011	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	2 ##	0.004	0.004	0.005	0.003	0.	0.002	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	2	13.	13.	14.	12.	2.	1.414	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	2	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	2	150.	150.	200.	100.	5000.	70.711	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	2	6.94	6.94	6.94	6.94	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	2 ##	0.165	0.165	0.29	0.04	0.031	0.177	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0145

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0145

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50	2	1	0.50									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0146

NPS Station ID: SACN0146
LAT/LON: 45.894726/ -92.208059
Agency: 12ELS1
Date Created: 04/16/88
Location: ROUND LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 2D2-053
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 6
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 13.40
On/Off RF1:
RF3 Index: 07030005126900.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/03/84-11/03/84	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/03/84-11/03/84	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	11/03/84-11/03/84	1	74.	74.	74.	74.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/03/84-11/03/84	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	11/03/84-11/03/84	1	3.22	3.22	3.22	3.22	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/03/84-11/03/84	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/84-11/03/84	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/84-11/03/84	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11/03/84-11/03/84	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11/03/84-11/03/84	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11/03/84-11/03/84	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11/03/84-11/03/84	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	11/03/84-11/03/84	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/03/84-11/03/84	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/03/84-11/03/84	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/03/84-11/03/84	1	1.04	1.04	1.04	1.04	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/03/84-11/03/84	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/03/84-11/03/84	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/03/84-11/03/84	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/03/84-11/03/84	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/03/84-11/03/84	1	103.	103.	103.	103.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11/03/84-11/03/84	1	0.105	0.105	0.105	0.105	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/03/84-11/03/84	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	11/03/84-11/03/84	1	210.	210.	210.	210.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	11/03/84-11/03/84	1	975.11	975.11	975.11	975.11	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11/03/84-11/03/84	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/03/84-11/03/84	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0146

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0146

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0147

NPS Station ID: SACN0147
LAT/LON: 45.983337/ -92.216670
Agency: 112WRD
Date Created: / /
Location: LOON CREEK NEAR DANBURY, WI
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05335010
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030001000506.68
RF3 Mile Point: 6.68
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/70-10/09/70	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/09/70-10/09/70	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/70-10/09/70	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/09/70-10/09/70	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/09/70-10/09/70	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/70-10/09/70	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/09/70-10/09/70	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/70-10/09/70	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/09/70-10/09/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/09/70-10/09/70	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/09/70-10/09/70	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/09/70-10/09/70	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/09/70-10/09/70	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/09/70-10/09/70	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/09/70-10/09/70	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/09/70-10/09/70	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/09/70-10/09/70	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/09/70-10/09/70	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/70-10/09/70	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/70-10/09/70	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/09/70-10/09/70	1	16.	16.	16.	16.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/09/70-10/09/70	1	91.	91.	91.	91.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/09/70-10/09/70	1	88.	88.	88.	88.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/09/70-10/09/70	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/70-10/09/70	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	10/09/70-10/09/70	1	100.	100.	100.	100.	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/09/70-10/09/70	1	350.	350.	350.	350.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/70-10/09/70	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0147

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0148

NPS Station ID: SACN0148 | LAT/LON: 46.007781/ -92.218060 | Agency: 21WITIS | Date Created: 08/01/87
Location: LAKE TWENTY-SIX | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 075004 /8270MA075004/4115W265004 /2762500
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030001045600.00 | RF3 Mile Point: 1.73 | Distance from RF3: 0.26 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/08/84-05/01/86	13	1.54	1.925	4.92	0.51	1.838	1.356	0.526	0.84	2.635	4.584
00024	SAMPLE LENGTH IN INCHES	10/08/84-05/01/86	13	14.7	17.654	29.3	9.5	45.404	6.738	9.78	12.4	23.45	28.58
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/08/84-05/01/86	13	0.26	0.315	0.76	0.15	0.029	0.17	0.154	0.21	0.395	0.664

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0149

NPS Station ID: SACN0149
LAT/LON: 45.990837/ -92.227337
Agency: 21WIL
Date Created: 08/29/92
Location: EAGLE LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 074010 /8270AG074010/4115W344010
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 14
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 16.00
On/Off RF1:
RF3 Index: 07030001054800.00
RF3 Mile Point: 1.41
Distance from RF3: 0.16
On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	1	156.	156.	156.	156.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/79-08/15/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	0.84	0.84	0.84	0.84	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	1	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	1	15.71	15.71	15.71	15.71	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0149

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0149

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0150

NPS Station ID: SACN0150
LAT/LON: 46.075448/ -92.245948
Agency: 21WITIS
Date Created: 08/06/88
Location: ST CROIX RIVER 10 RIVERSIDE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 075009 /8270MA075009
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 0.90
On/Off RF1:
RF3 Index: 07030005002007.48
RF3 Mile Point: 9.56
Distance from RF3: 0.04
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/15/79-09/21/82	12	1.32	1.453	3.97	0.55	0.842	0.917	0.598	0.975	1.335	3.508
00024	SAMPLE LENGTH IN INCHES	08/01/78-09/21/82	15	15.	15.464	25.75	11.5	12.037	3.469	11.62	13.86	15.75	22.3
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	08/01/78-09/21/82	15 ##	0.25	0.4	1.	0.25	0.096	0.311	0.25	0.25	0.25	1.
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	08/01/78-09/21/82	15 ##	0.01	0.009	0.01	0.005	0.	0.002	0.005	0.01	0.01	0.01
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	08/01/78-09/02/80	9 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/01/78-09/21/82	15 ##	0.025	0.021	0.025	0.005	0.	0.008	0.005	0.025	0.025	0.025
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/01/78-09/21/82	15 ##	0.025	0.021	0.025	0.005	0.	0.008	0.005	0.025	0.025	0.025
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/15/79-09/21/82	12 ##	0.025	0.023	0.025	0.005	0.	0.006	0.011	0.025	0.025	0.025
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	07/15/79-09/21/82	12 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39075	BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	08/01/78-09/21/82	15 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
39302	P P DDT IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39307	O P DDT IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39312	P P DDD IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/01/78-09/21/82	15 ##	0.025	0.023	0.025	0.01	0.	0.005	0.01	0.025	0.025	0.025
39325	O,P DDD IN TISSUE WET WGT (UG/G)	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	07/15/79-09/21/82	12 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
39397	ENDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/01/78-09/21/82	15 ##	0.01	0.009	0.01	0.005	0.	0.002	0.005	0.01	0.01	0.01
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/01/78-09/21/82	15 ##	0.01	0.009	0.01	0.005	0.	0.002	0.005	0.01	0.01	0.01
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/01/78-09/21/82	15 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	08/01/78-09/21/82	15 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/01/78-09/21/82	15	0.12	0.204	0.6	0.04	0.031	0.175	0.064	0.09	0.29	0.57
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/01/78-09/21/82	15 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/01/78-09/21/82	15	1.2	1.167	1.7	0.6	0.107	0.327	0.66	0.9	1.4	1.64
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	08/01/78-09/21/82	15 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/01/78-09/21/82	15 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	08/01/78-09/21/82	15	3.6	3.56	5.5	0.4	1.854	1.362	1.24	2.6	4.2	5.5
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	08/01/78-09/21/82	15 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0151

NPS Station ID: SACN0151
LAT/LON: 46.074449/ -92.247226
Agency: 112WRD
Date Created: / /
Location: ST. CROIX RIVER NEAR DANBURY, WI
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05333500
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 19.10
On/Off RF1:
RF3 Index: 07030002044300.00
RF3 Mile Point: 0.14
Distance from RF3: 0.21
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	122	6.	9.01	26.	0.	74.916	8.655	0.	0.5	17.125	22.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/18/83-08/24/83	2	15.75	15.75	28.	3.5	300.125	17.324	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/24/83-08/27/85	2	747.	747.	751.	743.	32.	5.657	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	10/09/64-06/05/68	9	1240.	1361.111	1750.	1030.	68611.111	261.937	1030.	1165.	1635.	1750.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	120	1275.	1701.167	6670.	268.	1524914.728	1234.874	700.	899.	2057.5	3522.
00065	STAGE, STREAM (FEET)	04/18/83-08/24/83	2	2.05	2.05	2.98	1.12	1.73	1.315	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/23/75-04/05/78	11	2.	2.091	5.	1.	1.491	1.221	1.	1.	3.	4.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/24/78-10/15/80	9	2.	2.111	5.	0.4	2.264	1.505	0.4	1.	3.	5.
00080	COLOR (PLATINUM-COBALT UNITS)	11/05/66-10/15/80	22	25.	33.773	110.	5.	907.232	30.12	5.	9.75	53.75	84.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	120	125.	126.675	228.	55.	1133.146	33.662	82.2	105.25	147.5	170.
00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/27/85	26	10.9	10.646	12.7	6.5	2.072	1.44	8.67	9.6	11.8	12.26
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/04/76-08/24/82	23	96.	96.957	134.	59.	440.134	20.979	68.4	85.	108.	129.4
00400	PH (STANDARD UNITS)	11/05/66-08/27/85	30	7.5	7.512	8.5	6.14	0.351	0.593	6.728	7.04	8.	8.381
00400	CONVERTED PH (STANDARD UNITS)	11/05/66-08/27/85	30	7.5	7.123	8.5	6.14	0.507	0.712	6.728	7.04	8.	8.381
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/66-08/27/85	30	0.032	0.075	0.724	0.003	0.018	0.135	0.004	0.01	0.091	0.187
00403	PH, LAB, STANDARD UNITS SU	10/15/80-08/27/85	9	7.6	7.622	8.	7.4	0.039	0.199	7.4	7.45	7.75	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	10/15/80-08/27/85	9	7.6	7.586	8.	7.4	0.041	0.202	7.4	7.45	7.75	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/80-08/27/85	9	0.025	0.026	0.04	0.01	0.	0.01	0.01	0.018	0.036	0.04
00405	CARBON DIOXIDE (MG/L AS CO2)	10/23/75-08/18/81	18	3.	7.339	54.	0.4	154.355	12.424	0.4	1.1	8.525	18.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/05/68-07/08/80	20	59.5	53.65	75.	21.	227.818	15.094	24.5	46.25	64.5	66.9
00440	BICARBONATE ION (MG/L AS HCO3)	11/05/66-04/05/78	14	69.5	67.071	92.	26.	278.379	16.685	36.	59.	80.25	87.
00445	CARBONATE ION (MG/L AS CO3)	11/05/66-04/05/78	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00600	NITROGEN, TOTAL (MG/L AS N)	10/23/75-04/17/82	24	0.475	0.544	1.2	0.21	0.07	0.264	0.24	0.313	0.665	0.99
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/23/75-08/24/82	25	0.35	0.394	1.1	0.	0.067	0.259	0.128	0.21	0.51	0.82
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/23/75-08/27/85	28	0.035	0.038	0.09	0.	0.001	0.025	0.005	0.02	0.05	0.081
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/27/85	28 ##	0.005	0.008	0.06	0.	0.	0.011	0.	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/23/75-10/15/80	20	0.085	0.114	0.38	0.	0.012	0.109	0.	0.01	0.193	0.24
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/75-08/27/85	28	0.36	0.419	1.1	0.05	0.058	0.24	0.188	0.273	0.523	0.817
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/23/75-08/27/85	28	0.08	0.113	0.39	0.01	0.009	0.093	0.01	0.05	0.178	0.24
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/18/79-04/18/79	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/23/75-08/27/85	28	0.03	0.029	0.07	0.01	0.	0.015	0.01	0.02	0.04	0.051
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/75-08/27/85	26	0.015	0.017	0.06	0.	0.	0.013	0.005	0.009	0.02	0.033
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/23/75-08/27/85	16	6.35	8.781	39.	2.4	70.975	8.425	3.03	4.925	9.825	18.7
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/23/75-08/24/83	8	0.	0.002	0.005	0.	0.	0.003	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/66-08/27/85	29	59.	55.931	81.	27.	161.852	12.722	35.	47.	66.	71.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/05/66-02/25/81	24	4.5	4.208	13.	0.	14.085	3.753	0.	0.	6.	10.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/66-08/27/85	30	16.	15.39	22.	7.1	13.008	3.607	9.47	13.	18.	19.9
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/66-08/27/85	30	4.55	4.25	6.3	1.7	1.086	1.042	2.45	3.5	5.125	5.29

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/66-08/27/85	29	2.2	2.162	2.8	1.3	0.137	0.371	1.4	2.	2.4	2.6
00931	SODIUM ADSORPTION RATIO	10/23/75-08/27/85	26	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00932	SODIUM, PERCENT	10/23/75-08/27/85	26	8.	7.692	10.	6.	0.942	0.97	6.7	7.	8.	9.
00933	SODIUM,PLUS POTASSIUM (MG/L)	02/20/80-02/20/80	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/66-08/27/85	29	0.7	0.666	1.3	0.3	0.05	0.224	0.4	0.5	0.8	1.
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/66-08/27/85	31	2.	1.984	8.	0.5	1.508	1.228	1.	2.	2.	2.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/66-08/27/85	31	5.	5.129	10.	2.	4.316	2.078	3.	4.	6.	9.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/66-08/27/85	29	0.1	0.088	0.3	0.05	0.002	0.048	0.05	0.05	0.1	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/66-08/27/85	29	11.	11.752	17.	8.9	4.981	2.232	9.1	9.95	13.	16.
01002	ARSENIC, TOTAL (UG/L AS AS)	10/23/75-08/24/83	9	1.	1.167	2.	0.5	0.25	0.5	0.5	1.	1.5	2.
01007	BARIUM, TOTAL (UG/L AS BA)	08/24/78-08/24/83	4 ##	50.	56.25	100.	25.	989.583	31.458	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/08/80-07/08/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	10/23/75-08/24/83	8	20.	24.625	60.	7.	328.268	18.118	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/23/75-08/24/83	9	1.	1.333	3.	0.	1.	1.	0.	0.5	2.	3.
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/23/75-08/24/83	9 ##	10.	11.111	20.	10.	11.111	3.333	10.	10.	10.	20.
01037	COBALT, TOTAL (UG/L AS CO)	10/23/75-08/24/83	9 ##	0.5	0.778	2.	0.	0.632	0.795	0.	0.	1.5	2.
01042	COPPER, TOTAL (UG/L AS CU)	10/23/75-08/24/83	8 ##	2.	4.625	24.	0.	64.268	8.017	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/23/75-08/24/83	8	285.	376.25	810.	200.	46026.786	214.539	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/75-08/27/85	12	225.	217.5	450.	40.	18711.364	136.789	43.	85.	287.5	444.
01051	LEAD, TOTAL (UG/L AS PB)	10/23/75-08/24/83	9	6.	9.333	24.	0.	71.25	8.441	0.	3.	18.	24.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/05/68-08/24/83	9	30.	37.222	100.	5.	681.944	26.114	5.	25.	40.	100.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/75-08/27/85	12	20.	14.	20.	5.	55.636	7.459	5.	5.	20.	20.
01067	NICKEL, TOTAL (UG/L AS NI)	10/23/75-08/24/83	9	3.	4.667	16.	0.	30.75	5.545	0.	1.	8.	16.
01077	SILVER, TOTAL (UG/L AS AG)	10/23/75-08/24/83	8 ##	0.	0.188	0.5	0.	0.067	0.259	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/23/75-08/24/83	9	10.	13.333	20.	10.	25.	5.	10.	10.	20.	20.
01147	SELENIUM, TOTAL (UG/L AS SE)	10/23/75-08/24/83	9 ##	0.5	0.444	0.5	0.	0.028	0.167	0.	0.5	0.5	0.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/23/75-07/22/76	4	6.	7.875	19.	0.5	72.396	8.509	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/23/75-07/22/76	4	0.651	0.57	1.279	-0.301	0.506	0.711	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.713								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/06/76-08/27/85	24	5.	34.833	600.	1.	14656.754	121.065	2.5	3.	12.	42.5
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/06/76-08/27/85	24	0.699	0.891	2.778	0.	0.321	0.567	0.389	0.477	1.079	1.564
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			7.775								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/06/76-08/27/85	24	56.5	176.042	770.	3.	57319.433	239.415	11.	27.5	297.5	695.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/06/76-08/27/85	24	1.751	1.837	2.886	0.477	0.421	0.649	1.04	1.438	2.469	2.842
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			68.666								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/23/75-07/22/76	4	31.5	57.25	160.	6.	4996.917	70.689	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/23/75-07/22/76	4	1.438	1.465	2.204	0.778	0.376	0.613	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			29.149								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/66-08/27/85	31	88.	84.839	110.	34.	236.873	15.391	61.2	80.	95.	99.6
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/23/75-08/27/85	26	75.5	72.038	105.	42.	246.118	15.688	45.5	61.5	82.	90.3
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/05/68-08/24/82	26	240.5	364.754	1280.	63.	79514.135	281.983	111.68	195.	510.25	830.2
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/05/68-08/24/82	26	0.12	0.115	0.15	0.05	0.	0.022	0.08	0.11	0.13	0.14
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/05/76-08/24/83	24	66.	59.208	100.	4.	910.781	30.179	15.	34.75	81.75	99.5
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/18/79-10/15/80	6	0.04	0.035	0.06	0.	0.	0.022	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/05/66-06/05/68	3	0.8	0.733	0.9	0.5	0.043	0.208	**	**	**	**
71885	IRON (UG/L AS FE)	06/05/68-06/05/68	1	270.	270.	270.	270.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/18/79-08/27/85	14	0.075	0.09	0.21	0.03	0.003	0.055	0.03	0.053	0.12	0.195
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/23/75-04/17/82	24	2.1	2.404	5.2	0.9	1.35	1.162	1.1	1.375	2.975	4.4
71900	MERCURY, TOTAL (UG/L AS HG)	10/23/75-08/24/83	9 ##	0.25	0.294	1.	0.05	0.078	0.28	0.05	0.15	0.275	1.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/09/64-08/27/85	34	8.	12.853	94.	1.	313.523	17.707	1.	2.75	14.	29.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/09/64-08/24/82	31	21.	79.619	742.	1.6	23433.237	153.079	2.24	6.3	87.	311.6
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/25/81-08/18/81	3	0.7	0.7	1.	0.4	0.09	0.3	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0151

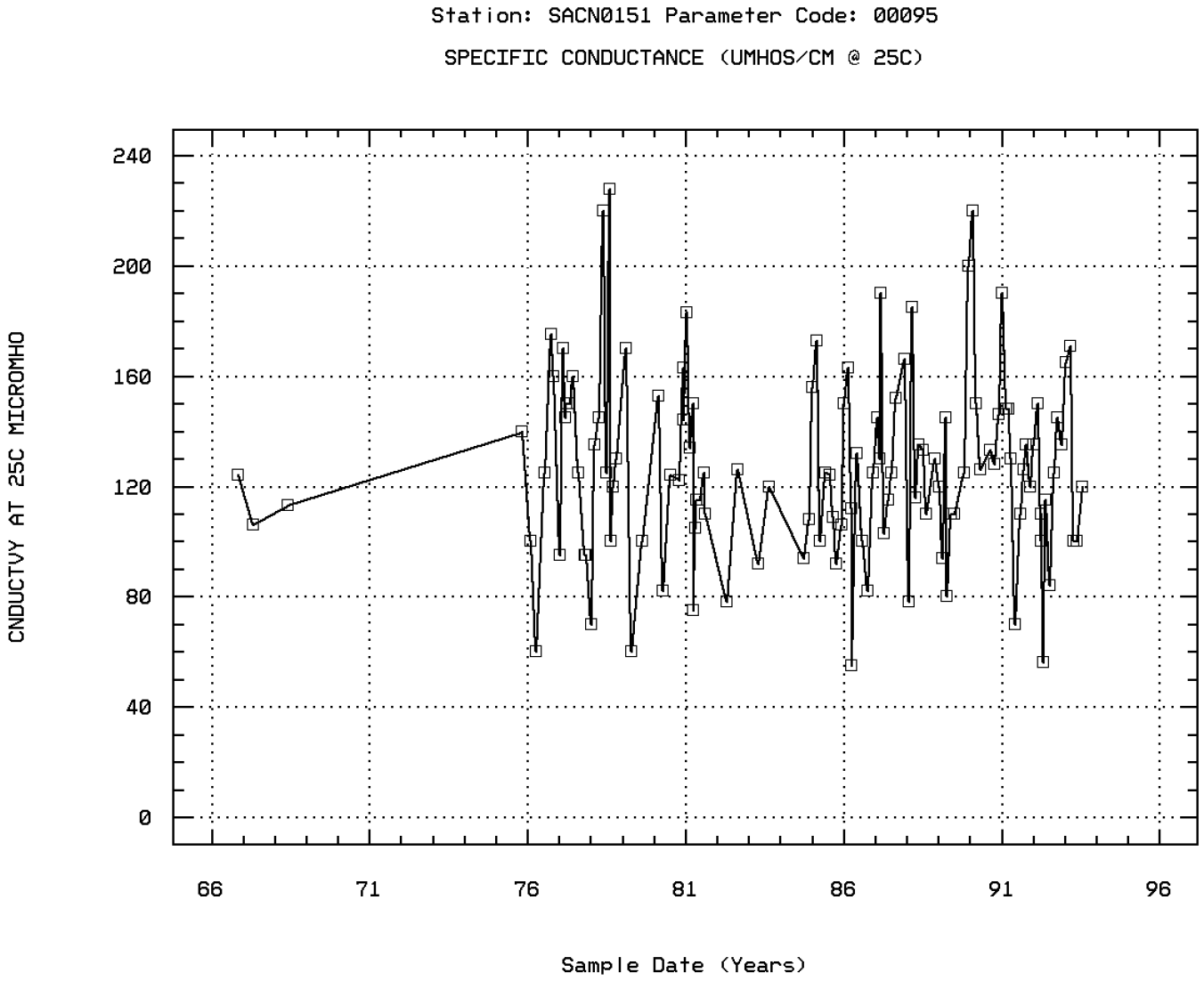
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	11	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0151

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	26	0	0.00	10	0	0.00	5	0	0.00	5	0	0.00	6	0	0.00
00400	PH	Other-Hi Lim.	9.	30	0	0.00	12	0	0.00	6	0	0.00	4	0	0.00	8	0	0.00
		Other-Lo Lim.	6.5	30	1	0.03	12	0	0.00	6	0	0.00	4	1	0.25	8	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	9	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	9	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	28	0	0.00	11	0	0.00	6	0	0.00	5	0	0.00	6	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	20	0	0.00	7	0	0.00	5	0	0.00	4	0	0.00	4	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	28	0	0.00	11	0	0.00	6	0	0.00	5	0	0.00	6	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	8	0	0.00	6	0	0.00							2	0	0.00
		Drinking Water	0.2	8	0	0.00	6	0	0.00							2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	31	0	0.00	12	0	0.00	6	0	0.00	5	0	0.00	8	0	0.00
		Drinking Water	250.	31	0	0.00	12	0	0.00	6	0	0.00	5	0	0.00	8	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	31	0	0.00	12	0	0.00	6	0	0.00	5	0	0.00	8	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	29	0	0.00	12	0	0.00	6	0	0.00	5	0	0.00	6	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	50.	9	0	0.00	6	0	0.00							3	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	4	0	0.00	4	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00										1	0	0.00
		Drinking Water	4.	1	0	0.00										1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	5.	9	0	0.00	6	0	0.00							3	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	6	0	0.00							3	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	8	1	0.13	6	1	0.17							2	0	0.00
		Drinking Water	1300.	8	0	0.00	6	0	0.00							2	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	15.	9	3	0.33	6	2	0.33							3	1	0.33
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	100.	9	0	0.00	6	0	0.00							3	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	6	0	0.00							2	0	0.00
		Drinking Water	100.	8	0	0.00	6	0	0.00							2	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	5000.	9	0	0.00	6	0	0.00							3	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	50.	9	0	0.00	6	0	0.00							3	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	24	1	0.04	10	1	0.10	5	0	0.00	4	0	0.00	5	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	3	0	0.00	1	0	0.00							2	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	2.	9	0	0.00	6	0	0.00							3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



ST. CROIX RIVER NEAR DANBURY, WI

Annual Analysis for 1966 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	1	124.	124.	124.	124.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1967 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	1	106.	106.	106.	106.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	1	113.	113.	113.	113.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	1	950.	950.	950.	950.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	1	140.	140.	140.	140.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	5	5.5	9.4	26.	0.	101.425	10.071	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	5	860.	1710.8	5500.	634.	4496743.2	2120.553	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	5	125.	124.	175.	60.	2142.5	46.287	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	11	6.5	9.	25.	0.	90.15	9.495	0.	0.5	16.	24.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	12	1170.	1369.833	3540.	268.	838032.879	915.441	385.	713.75	2015.	3183.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	9	145.	131.667	170.	95.	900.	30.	95.	95.	155.	170.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	9	18.5	12.889	23.5	0.	87.861	9.373	0.	2.25	20.5	23.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	9	1170.	1752.	4830.	898.	1589946.	1260.931	898.	1065.	2230.	4830.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	9	130.	141.444	228.	70.	2675.028	51.721	70.	110.	182.5	228.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	3	5.	8.333	20.	0.	108.333	10.408	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	3	948.	2236.667	4960.	802.	5567737.333	2359.605	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	3	100.	110.	170.	60.	3100.	55.678	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	6	0.4	6.133	26.	0.	110.187	10.497	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	6	831.	1043.667	2300.	607.	395868.267	629.181	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	6	134.	131.333	163.	82.	841.467	29.008	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	9	7.	9.833	23.5	0.	79.813	8.934	0.	1.75	18.5	23.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	9	1660.	1843.667	4380.	696.	1388948.	1178.536	696.	938.5	2560.	4380.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	9	115.	123.556	183.	75.	922.028	30.365	75.	107.5	142.	183.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	2	13.75	13.75	21.5	6.	120.125	10.96	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	2	2337.	2337.	3900.	774.	4885938.	2210.416	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	2	102.	102.	126.	78.	1152.	33.941	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	2	13.	13.	22.5	3.5	180.5	13.435	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	2	2075.	2075.	2990.	1160.	1674450.	1294.005	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	2	106.	106.	120.	92.	392.	19.799	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	2	7.25	7.25	13.5	1.	78.125	8.839	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	2	1590.	1590.	1680.	1500.	16200.	127.279	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	2	101.	101.	108.	94.	98.	9.899	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	8	7.75	8.713	21.2	0.	71.847	8.476	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	8	1710.	1821.25	3060.	1060.	422669.643	650.13	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	8	116.5	123.125	173.	92.	795.554	28.206	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	8	4.25	7.313	20.	0.	62.496	7.905	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	8	1785.	2813.75	6670.	1210.	4410541.071	2100.129	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	8	118.5	114.875	163.	55.	1262.982	35.538	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	8	7.25	9.125	24.	0.	89.625	9.467	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	8	1185.	1102.625	1400.	694.	77632.839	278.627	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	8	137.5	140.75	190.	103.	808.5	28.434	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	7	11.5	11.214	23.5	0.	99.571	9.979	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	7	1040.	1122.	1930.	583.	203377.	450.973	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	7	130.	126.714	185.	78.	1047.238	32.361	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	8	1.5	6.563	26.	0.	94.531	9.723	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	8	952.5	1348.375	2980.	696.	663013.696	814.257	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	8	115.	123.	200.	80.	1350.571	36.75	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	6	5.25	7.75	22.5	0.5	78.775	8.876	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	6	1050.	1876.667	5200.	604.	3177089.067	1782.439	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	6	139.5	150.5	220.	126.	1252.7	35.394	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	9	7.	8.611	21.	0.	77.424	8.799	0.	0.5	18.75	21.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	9	1400.	1806.778	3680.	644.	1193288.944	1092.378	644.	883.5	2770.	3680.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	9	130.	130.778	190.	70.	1047.944	32.372	70.	115.	148.	190.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	10	4.75	8.5	19.5	0.	63.833	7.99	0.	1.875	17.625	19.35
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	10	1520.	2190.	5460.	1010.	1987133.333	1409.657	1039.	1375.	2685.	5304.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	10	120.	115.5	150.	56.	857.167	29.277	58.8	96.	137.5	149.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	5	5.	8.5	23.5	0.	96.5	9.823	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	5	1120.	1379.6	2040.	895.	277273.3	526.567	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	5	120.	131.2	171.	100.	1199.7	34.637	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	32	10.	11.475	22.5	0.5	52.62	7.254	1.15	5.	18.375	21.35
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	32	1350.	1668.	4830.	604.	1115240.	1056.049	694.6	914.	2157.5	3486.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	31	125.	122.645	175.	82.	449.237	21.195	94.2	108.	135.	150.8
00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/27/85	10	10.65	10.14	11.8	6.5	2.727	1.651	6.72	9.075	11.375	11.78
00400	PH (STANDARD UNITS)	11/05/66-08/27/85	12	7.88	7.733	8.39	6.9	0.247	0.497	6.945	7.268	8.15	8.363
00400	CONVERTED PH (STANDARD UNITS)	11/05/66-08/27/85	12	7.88	7.472	8.39	6.9	0.321	0.567	6.945	7.268	8.15	8.363
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/66-08/27/85	12	0.013	0.034	0.126	0.004	0.002	0.039	0.004	0.007	0.056	0.115
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/23/75-08/24/82	9	0.43	0.519	1.1	0.18	0.104	0.323	0.18	0.245	0.785	1.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/23/75-08/27/85	11	0.02	0.025	0.07	0.	0.001	0.024	0.001	0.005	0.05	0.068
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/27/85	11	0.005	0.011	0.06	0.	0.	0.016	0.001	0.005	0.01	0.05
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/75-08/27/85	11	0.42	0.503	1.1	0.2	0.085	0.292	0.212	0.27	0.61	1.074
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/23/75-08/27/85	11	0.05	0.047	0.08	0.01	0.001	0.023	0.01	0.04	0.06	0.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/23/75-08/27/85	11	0.02	0.03	0.07	0.01	0.	0.018	0.01	0.02	0.04	0.066
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/75-08/27/85	11	0.02	0.02	0.06	0.005	0.	0.016	0.006	0.01	0.02	0.056
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/66-08/27/85	11	59.	58.091	66.	42.	69.491	8.336	42.8	51.	66.	66.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/66-08/27/85	12	16.5	16.	18.	11.	5.091	2.256	11.6	14.5	18.	18.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/66-08/27/85	12	4.6	4.5	5.2	3.4	0.36	0.6	3.43	4.1	5.025	5.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/66-08/27/85	12	2.25	2.25	2.8	1.4	0.152	0.39	1.52	2.05	2.55	2.77
00931	SODIUM ADSORPTION RATIO	10/23/75-08/27/85	10	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00932	SODIUM, PERCENT	10/23/75-08/27/85	10	8.	7.6	8.	7.	0.267	0.516	7.	7.	8.	8.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/66-08/27/85	12	0.65	0.583	0.9	0.3	0.032	0.18	0.33	0.4	0.7	0.84
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/66-08/27/85	12	2.	2.083	3.	2.	0.083	0.289	2.	2.	2.	2.7
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/66-08/27/85	12	4.5	5.	10.	2.	6.	2.449	2.3	3.	6.	9.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/66-08/27/85	12	0.1	0.1	0.3	0.05	0.005	0.067	0.05	0.05	0.1	0.24
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/66-08/27/85	12	11.	11.5	14.	9.3	1.871	1.368	9.42	11.	12.75	13.7
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/06/76-08/27/85	10	12.	74.4	600.	4.	34413.6	185.509	4.1	5.	30.25	546.4
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/06/76-08/27/85	10	1.079	1.214	2.778	0.602	0.421	0.649	0.612	0.699	1.411	2.681
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			16.376								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/06/76-08/27/85	10	320.	346.6	770.	46.	85476.489	292.364	46.2	57.	692.5	763.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/06/76-08/27/85	10	2.505	2.32	2.886	1.663	0.265	0.515	1.665	1.754	2.84	2.882
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			209.106								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/66-08/27/85	12	93.5	88.25	110.	34.	350.932	18.733	47.8	83.5	95.75	106.4
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/23/75-08/27/85	10	77.	72.9	82.	51.	108.1	10.397	51.9	65.25	81.25	82.
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/05/68-08/24/82	9	244.	364.956	1280.	73.6	131856.368	363.12	73.6	190.5	406.5	1280.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/05/68-08/24/82	9	0.13	0.12	0.15	0.05	0.001	0.028	0.05	0.115	0.13	0.15
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/09/64-08/27/85	13	4.	13.615	94.	1.	634.423	25.188	1.	1.5	14.5	66.4
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/09/64-08/24/82	11	13.	49.209	326.	1.7	9171.659	95.769	1.8	2.4	39.	279.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	30	0.	0.167	1.5	0.	0.144	0.379	0.	0.	0.	0.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	30	952.	998.9	1530.	644.	75089.266	274.024	695.1	754.	1237.5	1427.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	30	149.	144.367	220.	70.	1248.516	35.334	94.1	123.75	167.	189.3
00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/27/85	5	9.6	10.	11.8	8.6	1.52	1.233	**	**	**	**
00400	PH (STANDARD UNITS)	11/05/66-08/27/85	6	7.15	7.123	7.6	6.72	0.127	0.357	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/05/66-08/27/85	6	7.147	7.008	7.6	6.72	0.143	0.378	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/66-08/27/85	6	0.071	0.098	0.191	0.025	0.005	0.074	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/23/75-08/24/82	6	0.19	0.175	0.25	0.	0.008	0.089	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/23/75-08/27/85	6	0.05	0.053	0.09	0.04	0.	0.019	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/27/85	6 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/75-08/27/85	6	0.26	0.228	0.29	0.05	0.008	0.091	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/23/75-08/27/85	6	0.21	0.207	0.24	0.17	0.001	0.034	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/23/75-08/27/85	6	0.02	0.02	0.03	0.01	0.	0.009	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/75-08/27/85	6 ##	0.008	0.014	0.03	0.005	0.	0.012	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/66-08/27/85	6	69.	66.333	81.	44.	152.667	12.356	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/66-08/27/85	6	19.5	18.833	22.	15.	6.167	2.483	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/66-08/27/85	6	5.2	4.75	6.3	1.7	2.483	1.576	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/66-08/27/85	6	2.35	2.367	2.6	2.2	0.027	0.163	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/23/75-08/27/85	6	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/23/75-08/27/85	6	7.	7.167	9.	6.	0.967	0.983	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/66-08/27/85	6	0.8	0.783	1.	0.6	0.026	0.16	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/66-08/27/85	6	2.	3.	8.	2.	6.	2.449	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/66-08/27/85	6	4.5	5.167	9.	3.	4.567	2.137	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/66-08/27/85	6	0.1	0.083	0.1	0.05	0.001	0.026	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/66-08/27/85	6	16.	15.	17.	12.	4.	2.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/06/76-08/27/85	5	3.	5.2	12.	3.	15.2	3.899	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/06/76-08/27/85	5	0.477	0.642	1.079	0.477	0.069	0.263	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			4.384								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/06/76-08/27/85	5	12.	18.2	40.	3.	218.2	14.772	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/06/76-08/27/85	5	1.079	1.115	1.602	0.477	0.187	0.433	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			13.022								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/66-08/27/85	6	94.5	94.	105.	82.	67.6	8.222	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/23/75-08/27/85	6	88.5	86.833	105.	62.	194.967	13.963	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/05/68-08/24/82	6	230.	223.833	243.	187.	417.367	20.43	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/05/68-08/24/82	6	0.13	0.128	0.14	0.11	0.	0.012	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/09/64-08/27/85	6	3.	3.667	8.	1.	6.667	2.582	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/09/64-08/24/82	6	7.8	9.267	21.	2.4	51.131	7.151	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	22	3.	3.605	13.	0.	11.407	3.377	0.15	1.	5.125	9.85
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	22	2025.	2437.636	6670.	268.	2995263.766	1730.683	911.8	1122.5	2770.	5500.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	22	114.	121.455	190.	55.	1504.831	38.792	64.5	95.5	150.	180.8
00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/27/85	5	12.2	12.	12.7	10.7	0.595	0.771	**	**	**	**
00400	PH (STANDARD UNITS)	11/05/66-08/27/85	4	7.205	7.163	8.1	6.14	0.668	0.817	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/05/66-08/27/85	4	7.163	6.663	8.1	6.14	1.001	1.001	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/66-08/27/85	4	0.069	0.217	0.724	0.008	0.116	0.34	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/23/75-08/24/82	5	0.5	0.446	0.72	0.05	0.062	0.25	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/23/75-08/27/85	5	0.05	0.054	0.09	0.02	0.001	0.03	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/27/85	5	0.005	0.006	0.01	0.	0.	0.004	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/75-08/27/85	5	0.58	0.5	0.8	0.08	0.071	0.266	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/23/75-08/27/85	5	0.18	0.202	0.39	0.08	0.013	0.115	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/23/75-08/27/85	5	0.04	0.04	0.06	0.02	0.	0.014	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/75-08/27/85	5	0.02	0.02	0.03	0.01	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/66-08/27/85	5	48.	45.	57.	27.	130.5	11.424	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/66-08/27/85	5	13.	12.22	16.	7.1	11.442	3.383	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/66-08/27/85	5	3.7	3.5	4.2	2.3	0.515	0.718	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/66-08/27/85	5	2.	1.86	2.1	1.3	0.103	0.321	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/23/75-08/27/85	5	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/23/75-08/27/85	5	8.	8.2	9.	7.	0.7	0.837	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/66-08/27/85	5	0.8	0.88	1.3	0.5	0.087	0.295	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/66-08/27/85	5	2.	1.8	2.	1.	0.2	0.447	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/66-08/27/85	5	5.	5.2	7.	4.	1.2	1.095	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/66-08/27/85	5	0.1	0.08	0.1	0.05	0.001	0.027	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/66-08/27/85	5	11.	10.4	12.	8.9	1.805	1.344	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/06/76-08/27/85	4	3.5	3.5	5.	2.	1.667	1.291	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/06/76-08/27/85	4	0.54	0.52	0.699	0.301	0.03	0.172	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			3.31								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/06/76-08/27/85	4	37.	39.	68.	14.	508.	22.539	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/06/76-08/27/85	4	1.564	1.527	1.833	1.146	0.083	0.288	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			33.632								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/66-08/27/85	5	80.	76.2	87.	58.	125.2	11.189	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/23/75-08/27/85	5	67.	60.8	74.	42.	162.7	12.755	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/05/68-08/24/82	5	509.	495.4	861.	63.	80702.8	284.082	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/05/68-08/24/82	5	0.11	0.104	0.12	0.08	0.	0.015	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/09/64-08/27/85	5	14.	23.4	50.	12.	256.8	16.025	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/09/64-08/24/82	5	88.	224.54	742.	8.7	88167.658	296.93	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

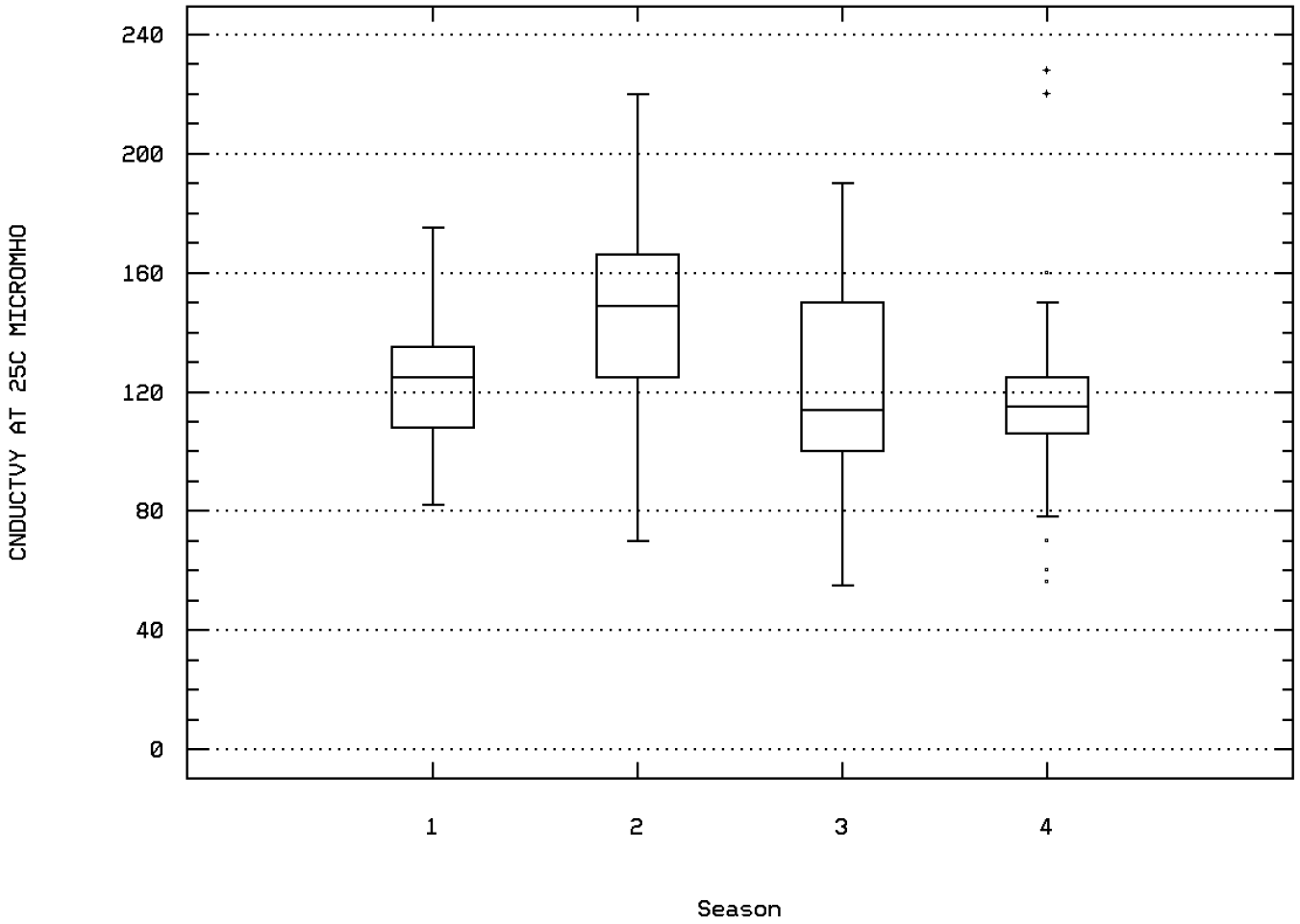
Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/66-07/22/93	38	18.25	17.045	26.	3.5	41.981	6.479	5.95	13.375	23.5	25.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-07/22/93	36	1430.	1865.806	5460.	583.	1545011.075	1242.985	740.6	1070.	2155.	4044.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/66-07/22/93	37	115.	118.811	228.	56.	1132.713	33.656	76.4	105.5	125.5	152.
00300	OXYGEN, DISSOLVED MG/L	02/04/76-08/27/85	6	11.1	10.9	11.9	9.6	0.92	0.959	**	**	**	**
00400	PH (STANDARD UNITS)	11/05/66-08/27/85	8	7.695	7.646	8.5	6.8	0.387	0.622	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/05/66-08/27/85	8	7.685	7.307	8.5	6.8	0.518	0.72	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/66-08/27/85	8	0.021	0.049	0.158	0.003	0.004	0.061	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/23/75-08/24/82	5	0.35	0.382	0.52	0.26	0.013	0.113	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/23/75-08/27/85	6	0.03	0.03	0.05	0.01	0.	0.014	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/27/85	6 ##	0.005	0.006	0.01	0.	0.	0.004	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/75-08/27/85	6	0.36	0.39	0.53	0.29	0.011	0.103	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/23/75-08/27/85	6	0.05	0.063	0.14	0.01	0.003	0.051	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/23/75-08/27/85	6	0.03	0.028	0.04	0.01	0.	0.012	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/75-08/27/85	4	0.008	0.009	0.02	0.	0.	0.009	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/66-08/27/85	7	59.	51.429	66.	31.	185.286	13.612	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/66-08/27/85	7	15.	13.657	18.	8.3	16.293	4.036	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/66-08/27/85	7	4.	3.929	5.3	2.4	1.212	1.101	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/66-08/27/85	6	2.15	2.033	2.4	1.4	0.147	0.383	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/23/75-08/27/85	5	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/23/75-08/27/85	5	8.	8.	10.	6.	2.5	1.581	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/66-08/27/85	6	0.55	0.533	0.7	0.4	0.015	0.121	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/66-08/27/85	8	1.	1.188	2.	0.5	0.281	0.53	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/66-08/27/85	8	4.5	5.25	10.	3.	5.071	2.252	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/66-08/27/85	6 ##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/66-08/27/85	6	9.95	10.133	11.	9.1	0.551	0.742	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/06/76-08/27/85	5	7.	10.4	21.	1.	89.8	9.476	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/06/76-08/27/85	5	0.845	0.789	1.322	0.	0.317	0.563	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			6.153								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/06/76-08/27/85	5	77.	102.4	230.	12.	7238.3	85.078	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/06/76-08/27/85	5	1.886	1.84	2.362	1.079	0.24	0.49	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			69.113								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/66-08/27/85	8	81.5	78.25	92.	61.	149.071	12.209	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/23/75-08/27/85	5	75.	63.8	79.	42.	315.7	17.768	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/05/68-08/24/82	6	296.	396.5	817.	128.	79512.7	281.98	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/05/68-08/24/82	6	0.115	0.105	0.12	0.08	0.	0.02	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/09/64-08/27/85	10	10.5	12.1	31.	1.	66.322	8.144	1.6	7.75	15.25	29.8
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/09/64-08/24/82	9	27.	83.178	326.	1.6	14170.084	119.038	1.6	23.	146.5	326.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0151 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



ST. CROIX RIVER NEAR DANBURY, WI

Station Inventory for Station: SACN0152

NPS Station ID: SACN0152 | LAT/LON: 45.923170/ -92.249337 | Agency: 21WIL | Date Created: 08/29/92
Location: POINT LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074026 /8270AG074026/4015W294026
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 7 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.50 | On/Off RF1:
RF3 Index: 07030005002010.57 | RF3 Mile Point: 12.49 | Distance from RF3: 0.02 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0152

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/14/79-08/14/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/79-08/14/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	1	0.027	0.027	0.027	0.027	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	1	9.94	9.94	9.94	9.94	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0152

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0152

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0153

NPS Station ID: SACN0153 | LAT/LON: 46.048504/ -92.268671 | Agency: 21WIL | Date Created: 08/29/92
Location: STAPLES LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074030 /8270AG074030/4115W084030
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 41 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030001050600.00 | RF3 Mile Point: 5.66 | Distance from RF3: 0.09 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	2	68.	68.	68.	68.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	2	3.9	3.9	6.5	1.3	13.52	3.677	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	2	180.	180.	180.	180.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	2	126.	126.	137.	115.	242.	15.556	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	2	4.05	4.05	7.8	0.3	28.125	5.303	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	2	7.5	7.5	7.6	7.4	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/79-08/15/79	2	7.489	7.489	7.6	7.4	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	2	0.032	0.032	0.04	0.025	0.	0.01	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	2	48.	48.	54.	42.	72.	8.485	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	2	0.6	0.6	0.69	0.51	0.016	0.127	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	2	0.4	0.4	0.43	0.37	0.002	0.042	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	2	0.155	0.155	0.19	0.12	0.002	0.049	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	2 ##	0.007	0.007	0.012	0.002	0.	0.007	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	2 ##	0.035	0.035	0.06	0.01	0.001	0.035	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	2 ##	0.008	0.008	0.011	0.005	0.	0.004	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	2 ##	0.005	0.005	0.008	0.003	0.	0.004	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	2	11.5	11.5	14.	9.	12.5	3.536	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	2	400.	400.	700.	100.	180000.	424.264	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	2	4.35	4.35	4.35	4.35	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	2 ##	0.485	0.485	0.93	0.04	0.396	0.629	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0153

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50	2	1	0.50									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0153

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0154

NPS Station ID: SACN0154 | LAT/LON: 46.005003/ -92.268837 | Agency: 21WIL | Date Created: 08/29/92
Location: STONE LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074031 /8270AG074031/4115W294031
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 11 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 12.20 | On/Off RF1:
RF3 Index: 07030001034700.00 | RF3 Mile Point: 0.55 | Distance from RF3: 0.05 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/79-08/15/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	1.41	1.41	1.41	1.41	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	1.03	1.03	1.03	1.03	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	1	0.034	0.034	0.034	0.034	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	1	31.97	31.97	31.97	31.97	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0154

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0154

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0155

NPS Station ID: SACN0155 | LAT/LON: 45.895171/ -92.270838 | Agency: 21WIL | Date Created: 08/29/92
Location: AUSTIN LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074001 /8270AG074001/3915W064001
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 48 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 3.50 | On/Off RF1:
RF3 Index: 07030005203607.44 | RF3 Mile Point: 8.59 | Distance from RF3: 0.06 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	2	67.	67.	67.	67.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	2	30.	30.	30.	30.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	2	5.05	5.05	8.7	1.4	26.645	5.162	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	2	78.	78.	78.	78.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	2	141.5	141.5	157.	126.	480.5	21.92	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	2	3.35	3.35	6.3	0.4	17.405	4.172	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	2	7.45	7.45	7.5	7.4	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/14/79-08/14/79	2	7.447	7.447	7.5	7.4	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/79-08/14/79	2	0.036	0.036	0.04	0.032	0.	0.006	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	2	50.5	50.5	57.	44.	84.5	9.192	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	2	0.56	0.56	0.62	0.5	0.007	0.085	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	2	0.38	0.38	0.43	0.33	0.005	0.071	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2	0.09	0.09	0.11	0.07	0.001	0.028	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2	0.009	0.009	0.011	0.006	0.	0.004	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2	0.085	0.085	0.09	0.08	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	2 ##	0.011	0.011	0.016	0.005	0.	0.008	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	2 ##	0.005	0.005	0.008	0.003	0.	0.004	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	2	13.5	13.5	14.	13.	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	2	0.8	0.8	1.	0.6	0.08	0.283	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	2	345.	345.	600.	90.	130050.	360.624	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	2	10.46	10.46	10.46	10.46	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	2	0.865	0.865	1.32	0.41	0.414	0.643	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0155

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0155

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0156

NPS Station ID: SACN0156 | LAT/LON: 45.908837/ -92.271170 | Agency: 21WIL | Date Created: 08/29/92
Location: NORTH LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074024 /8270AG074024/4015W314024
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 22 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 15.70 | On/Off RF1:
RF3 Index: 07030001006601.19 | RF3 Mile Point: 1.18 | Distance from RF3: 0.07 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	2	3.4	3.4	5.2	1.6	6.48	2.546	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	2	96.	96.	96.	96.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	2	69.5	69.5	84.	55.	420.5	20.506	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	2	2.95	2.95	5.7	0.2	15.125	3.889	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	2	7.	7.	7.2	6.8	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/14/79-08/14/79	2	6.955	6.955	7.2	6.8	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/79-08/14/79	2	0.111	0.111	0.158	0.063	0.005	0.067	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	2	23.5	23.5	31.	16.	112.5	10.607	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	2	1.665	1.665	2.76	0.57	2.398	1.549	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	2	0.67	0.67	0.93	0.41	0.135	0.368	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2	0.605	0.605	1.12	0.09	0.53	0.728	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2	0.025	0.025	0.044	0.005	0.001	0.028	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	2	0.37	0.37	0.68	0.06	0.192	0.438	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	2	0.03	0.03	0.031	0.029	0.	0.001	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	2 ##	0.525	0.525	0.8	0.25	0.151	0.389	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	2	350.	350.	600.	100.	125000.	353.553	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	2	14.97	14.97	14.97	14.97	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	2	8.095	8.095	15.42	0.77	107.311	10.359	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0156

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50										2	1	0.50

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0156

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00										2	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0157

NPS Station ID: SACN0157
LAT/LON: 45.946670/ -92.272781
Agency: 12ELS1
Date Created: 04/16/88
Location: TANDA LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 2D2-019
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 6
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 5.90
On/Off RF1:
RF3 Index: 07030001001600.01
RF3 Mile Point: 0.00
Distance from RF3: 0.71
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/84-10/28/84	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/28/84-10/28/84	1	0.95	0.95	0.95	0.95	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/28/84-10/28/84	1	115.	115.	115.	115.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/84-10/28/84	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/28/84-10/28/84	1	0.89	0.89	0.89	0.89	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/28/84-10/28/84	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/84-10/28/84	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/84-10/28/84	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/28/84-10/28/84	1	312.	312.	312.	312.	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/28/84-10/28/84	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/28/84-10/28/84	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/28/84-10/28/84	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/28/84-10/28/84	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/28/84-10/28/84	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/28/84-10/28/84	1	1.22	1.22	1.22	1.22	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/28/84-10/28/84	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/28/84-10/28/84	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/28/84-10/28/84	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/84-10/28/84	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/28/84-10/28/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/28/84-10/28/84	1	35.	35.	35.	35.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/28/84-10/28/84	1	0.152	0.152	0.152	0.152	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/28/84-10/28/84	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/28/84-10/28/84	1	410.	410.	410.	410.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/28/84-10/28/84	1	971.18	971.18	971.18	971.18	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/28/84-10/28/84	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/84-10/28/84	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0157

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0157

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0158

NPS Station ID: SACN0158 | LAT/LON: 46.005003/ -92.289504 | Agency: 21WIL | Date Created: 08/29/92
Location: BURLINGAME LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074007 /8270AG074007/4115W304007
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 17 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030002069700.00 | RF3 Mile Point: 0.42 | Distance from RF3: 0.02 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	1	121.	121.	121.	121.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/79-08/15/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	0.49	0.49	0.49	0.49	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	1	0.041	0.041	0.041	0.041	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	1	10.42	10.42	10.42	10.42	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0158

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0158

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0159

NPS Station ID: SACN0159 LAT/LON: 46.066670/ -92.300004 Agency: 21MINN Date Created: 02/12/94
Location: ST. CROIX R AT RAPIDS IN ST. CROIX STATE PARK FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/TISSUE STORET Station ID(s): SC123 /SC-128
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030001021 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: ON
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
ST. CROIX RIVER T42NR16WS36 PINE COUNTY Fish were collected by the Minnesota Department of Natural Resources
for analysis of toxics in tissue.

Parameter Inventory for Station: SACN0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	08/20/91-08/20/91	8	2.6	2.925	6.4	0.1	5.036	2.244	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	08/20/91-08/20/91	8	20.6	18.775	25.6	5.6	41.459	6.439	**	**	**	**
04263	INVALID PARAMETER	08/20/91-08/20/91	8	910822.	910822.	910822.	910822.	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	08/20/91-08/20/91	8	## 0.005	0.006	0.013	0.005	0.	0.003	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	08/20/91-08/20/91	7	## 0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	08/20/91-08/20/91	8	1.7	1.625	3.4	0.2	1.728	1.314	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/20/91-08/20/91	8	## 0.005	0.006	0.013	0.005	0.	0.003	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/20/91-08/20/91	8	0.3	0.356	0.91	0.11	0.066	0.258	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/20/91-08/20/91	8	2.	2.625	6.	1.	3.411	1.847	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0160

NPS Station ID: SACN0160
LAT/LON: 46.066670/ -92.300004
Agency: 21MINNQ
Date Created: 09/17/94
Location: ST. CROIX R AT RAPIDS IN ST. CROIX STATE PARK
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): SC123 /SC-128
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001021
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST. CROIX RIVER T42NR16WS36 PINE COUNTY Fish were collected by the Minnesota Department of Natural Resources for analysis of toxics in tissue.

Parameter Inventory for Station: SACN0160

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0161

NPS Station ID: SACN0161 | LAT/LON: 45.981504/ -92.309504 | Agency: 21WIS | Date Created: 09/05/92
Location: GULL LAKE AT DEEPEST POINT | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/VOLUN | STORET Station ID(s): 073078 /8270AG073078/4016W023078
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 19 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030002040200.00 | RF3 Mile Point: 2.96 | Distance from RF3: 0.20 | On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DISTRICT (715)635-4073 GULL LAKE AT DEEPEST POINT.
SAME SAMPLES COLLECTED BY SELF-HELP VOLUNTEERS.

Parameter Inventory for Station: SACN0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/93-10/14/94	14	0.03	0.038	0.091	0.018	0.	0.022	0.02	0.022	0.052	0.08
32000	SAMPLE SIZE (LITERS)	06/28/93-10/14/94	8	800.	725.	800.	500.	19285.714	138.873	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/28/93-10/14/94	8	4.33	5.261	10.8	3.42	5.552	2.356	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0162

NPS Station ID: SACN0162 | LAT/LON: 46.033837/ -92.310503 | Agency: 21WIL | Date Created: 08/29/92
Location: BASS LAKE (4116W13) | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074005 /8270AG074005/4116W134005
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 8 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 5.40 | On/Off RF1:
RF3 Index: 07030001062100.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.07 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0162

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/15/79-08/15/79	2	70.	70.	70.	70.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/15/79-08/15/79	2	40.	40.	40.	40.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/15/79-08/15/79	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/79-08/15/79	2	96.	96.	96.	96.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/79-08/15/79	2	52.	52.	64.	40.	288.	16.971	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/15/79-08/15/79	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/79-08/15/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/79-08/15/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/79-08/15/79	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/15/79-08/15/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1	0.23	0.23	0.23	0.23	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/15/79-08/15/79	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-08/15/79	2	0.018	0.018	0.02	0.016	0.	0.003	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/15/79-08/15/79	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/79-08/15/79	2	3.	3.	3.	3.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/79-08/15/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/79-08/15/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/79-08/15/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/79-08/15/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/79-08/15/79	2	85.	85.	100.	70.	450.	21.213	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/15/79-08/15/79	2	8.38	8.38	8.38	8.38	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/15/79-08/15/79	2 ##	0.145	0.145	0.25	0.04	0.022	0.148	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0162

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0162

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0163

NPS Station ID: SACN0163 | LAT/LON: 45.909337/ -92.314004 | Agency: 21WIL | Date Created: 08/29/92
Location: CONNORS LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074008 /8270AG074008/4016W354008
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 16 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030001034900.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.21 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/14/79-08/14/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/14/79-08/14/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/79-08/14/79	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/14/79-08/14/79	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	1	0.014	0.014	0.014	0.014	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	1	17.98	17.98	17.98	17.98	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0163

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0163

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0164

NPS Station ID: SACN0164 | LAT/LON: 45.940281/ -92.314727 | Agency: 21WITIS | Date Created: 08/01/87
Location: JOHNSON LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 075003 /8270MA075003/4016W145003 /2471600
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030002039800.00 | RF3 Mile Point: 0.13 | Distance from RF3: 0.09 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	06/17/85-06/06/86	10	2.125	2.064	3.37	0.68	0.858	0.926	0.687	1.23	2.898	3.331
00024	SAMPLE LENGTH IN INCHES	06/17/85-06/06/86	10	18.5	17.93	24.2	10.5	25.471	5.047	10.53	13.35	22.4	24.08
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/17/85-06/06/86	10	0.645	0.679	1.4	0.31	0.101	0.318	0.316	0.423	0.837	1.346

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0165

NPS Station ID: SACN0165 | LAT/LON: 45.952670/ -92.315170 | Agency: 21WIL | Date Created: 08/29/92
Location: JOHNSON LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074015 /8270AG074015/4016W144015
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 23 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 11.90 | On/Off RF1:
RF3 Index: 07030001042200.00 | RF3 Mile Point: 1.29 | Distance from RF3: 0.06 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/14/79-08/14/79	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/14/79-08/14/79	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/14/79-08/14/79	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/79-08/14/79	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/14/79-08/14/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/14/79-08/14/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/14/79-08/14/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/79-08/14/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/79-08/14/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/14/79-08/14/79	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/14/79-08/14/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/14/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/14/79-08/14/79	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/14/79-08/14/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/14/79-08/14/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/14/79-08/14/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/14/79-08/14/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/79-08/14/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/79-08/14/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/14/79-08/14/79	1	6.81	6.81	6.81	6.81	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/14/79-08/14/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0165

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0165

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0166

NPS Station ID: SACN0166 | LAT/LON: 45.979337/ -92.319838 | Agency: 21WIS | Date Created: 09/05/92
Location: FALK LAKE AT DEEPEST POINT | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/VOLUN | STORET Station ID(s): 073076 /8270AG073076/4016W023076
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 32 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id: WI2670900
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 1.60 | On/Off RF1:
RF3 Index: 07030005002012.24 | RF3 Mile Point: 12.24 | Distance from RF3: 0.16 | On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DISTRICT (715)635-4073 FALK LAKE AT DEEPEST POINT
SOME SAMPLES COLLECTED BY SELF-HELP VOLUNTEERS.

Parameter Inventory for Station: SACN0166

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/93-10/14/94	14	0.027	0.052	0.113	0.018	0.001	0.038	0.019	0.02	0.092	0.11
32000	SAMPLE SIZE (LITERS)	06/27/93-10/14/94	8	800.	825.	1000.	800.	5000.	70.711	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/27/93-10/14/94	8	5.125	6.079	11.8	3.71	7.346	2.71	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0167

NPS Station ID: SACN0167
LAT/LON: 45.975004/ -92.330170
Agency: 21WIS
Date Created: 05/15/93
Location: LOVE LAKE AT DEEP POINT
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/VOLUN
STORET Station ID(s): 073043 /8270AG073043/4016W033043
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 63
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHEST DISTRICT (715)635-4073 LOVE LAKE AT DEEPEST POINT. LAKE WATER QUALITY MONITORING SITE.
SOME SAMPLES COLLECTED BY SELF-HELP VOLUNTEERS.

Parameter Inventory for Station: SACN0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/21/93-10/14/94	15	0.021	0.065	0.181	0.007	0.005	0.067	0.008	0.012	0.136	0.173
32000	SAMPLE SIZE (LITERS)	06/21/93-10/14/94	8	1000.	975.	1000.	800.	5000.	70.711	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/21/93-10/14/94	8	3.585	4.071	9.46	1.8	5.608	2.368	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0168

NPS Station ID: SACN0168 | LAT/LON: 45.990338/ -92.331171 | Agency: 21WIL | Date Created: 08/29/92
Location: MINERVA LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074023 /8270AG074023/4116W354023
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 22 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 2.70 | On/Off RF1:
RF3 Index: 07030001003110.58 | RF3 Mile Point: 10.58 | Distance from RF3: 0.32 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/16/79-08/16/79	2	67.	67.	67.	67.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/16/79-08/16/79	2	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/16/79-08/16/79	2	3.9	3.9	4.	3.8	0.02	0.141	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/16/79-08/16/79	2	78.	78.	78.	78.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/79-08/16/79	2	141.5	141.5	142.	141.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/16/79-08/16/79	2	6.5	6.5	8.7	4.3	9.68	3.111	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/79-08/16/79	2	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/79-08/16/79	2	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/79-08/16/79	2	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/79-08/16/79	2	54.5	54.5	55.	54.	0.5	0.707	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/16/79-08/16/79	2	0.69	0.69	0.71	0.67	0.001	0.028	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/16/79-08/16/79	2	0.485	0.485	0.55	0.42	0.008	0.092	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	2	0.17	0.17	0.21	0.13	0.003	0.057	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	2 ##	0.003	0.003	0.004	0.002	0.	0.002	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/79-08/16/79	2 ##	0.02	0.02	0.034	0.005	0.	0.021	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/79-08/16/79	2	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/16/79-08/16/79	2	14.5	14.5	15.	14.	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/16/79-08/16/79	2 ##	1.625	1.625	3.	0.25	3.781	1.945	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/16/79-08/16/79	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/16/79-08/16/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/79-08/16/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/79-08/16/79	2	250.	250.	300.	200.	5000.	70.711	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/16/79-08/16/79	2	16.28	16.28	16.28	16.28	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/16/79-08/16/79	2 ##	0.165	0.165	0.29	0.04	0.031	0.177	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0168

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0168

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00	2	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0169

NPS Station ID: SACN0169
LAT/LON: 45.909504/ -92.334670
Agency: 21WITIS
Date Created: 11/14/92
Location: DEVILS LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 075019 /8270MA075019/4016W345019
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 5.20
On/Off RF1:
RF3 Index: 07030001119400.00
RF3 Mile Point: 0.30
Distance from RF3: 0.26
On/Off RF3:
Description:
STATION FOR JIM AMRHEIN OF MADISON (608)266-5325 FISH CONTAMINANT MONITORING PROGRAM

Parameter Inventory for Station: SACN0169

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0170

NPS Station ID: SACN0170 | LAT/LON: 45.967338/ -92.336338 | Agency: 21WIL | Date Created: 08/29/92
Location: LOVE LAKE | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 074020 /8270AG074020/4016W104020
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 63 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030001006608.92 | RF3 Mile Point: 8.92 | Distance from RF3: 0.01 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/16/79-08/16/79	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/16/79-08/16/79	2	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/16/79-08/16/79	2	4.1	4.1	6.	2.2	7.22	2.687	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/16/79-08/16/79	2	156.	156.	156.	156.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/79-08/16/79	2	183.5	183.5	210.	157.	1404.5	37.477	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/16/79-08/16/79	2	9.2	9.2	9.5	8.9	0.18	0.424	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/79-08/16/79	2	7.65	7.65	7.8	7.5	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/79-08/16/79	2	7.625	7.625	7.8	7.5	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/79-08/16/79	2	0.024	0.024	0.032	0.016	0.	0.011	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/79-08/16/79	2	76.5	76.5	91.	62.	420.5	20.506	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/16/79-08/16/79	2	1.095	1.095	1.65	0.54	0.616	0.785	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/16/79-08/16/79	2	0.385	0.385	0.45	0.32	0.008	0.092	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	2	0.605	0.605	1.01	0.2	0.328	0.573	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	2 ##	0.006	0.006	0.011	0.002	0.	0.007	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	2 ##	0.095	0.095	0.18	0.01	0.014	0.12	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/79-08/16/79	2	0.018	0.018	0.02	0.015	0.	0.004	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/79-08/16/79	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/16/79-08/16/79	2	18.5	18.5	22.	15.	24.5	4.95	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/16/79-08/16/79	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/16/79-08/16/79	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/16/79-08/16/79	2 ##	0.475	0.475	0.7	0.25	0.101	0.318	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/79-08/16/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/79-08/16/79	2	515.	515.	1000.	30.	470450.	685.894	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/16/79-08/16/79	2	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/16/79-08/16/79	2 ##	1.775	1.775	3.51	0.04	6.02	2.454	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0170

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0170

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00	2	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0171

NPS Station ID: SACN0171
Location: BRICHER LAKE
Station Type: /TYPA/AMBNT/LAKE
RMI-Indexes:
RMI-Miles:
HUC: 07030001
Major Basin:
Minor Basin:
RF1 Index: 07030001
RF3 Index: 07030002042200.00
Description:

LAT/LON: 45.965005/ -92.343060
Depth of Water: 16
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 12ELS1
FIPS State/County: 55013 WISCONSIN/BURNETT
STORET Station ID(s): 2D2-069
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.02

Date Created: 04/16/88
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: SACN0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/84-10/28/84	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/28/84-10/28/84	1	2.35	2.35	2.35	2.35	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/28/84-10/28/84	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/84-10/28/84	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/28/84-10/28/84	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/28/84-10/28/84	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/84-10/28/84	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/84-10/28/84	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/28/84-10/28/84	1	70.7	70.7	70.7	70.7	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/28/84-10/28/84	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/28/84-10/28/84	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/28/84-10/28/84	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/28/84-10/28/84	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/28/84-10/28/84	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/28/84-10/28/84	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/28/84-10/28/84	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/28/84-10/28/84	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/28/84-10/28/84	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/84-10/28/84	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/28/84-10/28/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/28/84-10/28/84	1	13.	13.	13.	13.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/28/84-10/28/84	1	0.106	0.106	0.106	0.106	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/28/84-10/28/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/28/84-10/28/84	1	50.	50.	50.	50.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/28/84-10/28/84	1	949.19	949.19	949.19	949.19	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/28/84-10/28/84	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/84-10/28/84	1	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0171

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0171

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0172

NPS Station ID: SACN0172
LAT/LON: 46.012226/ -92.356948
Agency: 112WRD
Date Created: 02/20/76
Location: YELLOW RIVER AT DANBURY, WI
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05335031
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030005002014.41
RF3 Mile Point: 14.41
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/75-08/24/83	17	10.	12.376	25.	1.5	79.628	8.923	1.9	4.	22.	23.72
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/24/83-08/24/83	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/24/83-08/24/83	1	744.	744.	744.	744.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-08/24/83	18	317.	368.056	689.	199.	16335.114	127.809	216.1	283.25	469.25	545.
00065	STAGE, STREAM (FEET)	04/13/83-08/24/83	2	6.07	6.07	7.11	5.03	2.163	1.471	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/23/75-08/24/83	18	153.	162.167	215.	125.	684.618	26.165	134.9	144.75	172.	215.
00300	OXYGEN, DISSOLVED MG/L	04/05/76-08/24/83	16	11.	10.338	12.8	6.9	4.544	2.132	7.46	7.9	12.275	12.52
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/05/76-08/25/82	14	97.5	98.071	134.	81.	171.764	13.106	81.5	89.25	101.75	121.
00400	PH (STANDARD UNITS)	10/23/75-08/24/83	17	7.99	7.905	8.4	7.18	0.131	0.363	7.292	7.65	8.11	8.4
00400	CONVERTED PH (STANDARD UNITS)	10/23/75-08/24/83	17	7.99	7.748	8.4	7.18	0.158	0.397	7.292	7.65	8.11	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/23/75-08/24/83	17	0.01	0.018	0.066	0.004	0.	0.018	0.004	0.008	0.024	0.052
00403	PH, LAB, STANDARD UNITS SU	04/17/82-08/24/83	3	7.6	7.733	8.	7.6	0.053	0.231	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/17/82-08/24/83	3	7.6	7.697	8.	7.6	0.055	0.235	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/82-08/24/83	3	0.025	0.02	0.025	0.01	0.	0.009	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/23/75-08/18/81	9	1.3	2.367	7.	0.5	5.645	2.376	0.5	0.85	3.95	7.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/23/75-07/09/80	11	75.	75.909	90.	60.	73.491	8.573	61.2	72.	83.	88.8
00440	BICARBONATE ION (MG/L AS HCO3)	10/23/75-04/06/78	6	96.	95.	110.	73.	163.2	12.775	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/23/75-04/06/78	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/25/82	15	0.69	0.771	1.9	0.39	0.133	0.365	0.402	0.56	0.85	1.42
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/23/75-08/25/82	15	0.4	0.574	1.7	0.11	0.165	0.406	0.176	0.3	0.75	1.34
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/23/75-08/24/83	17	0.03	0.047	0.11	0.01	0.001	0.031	0.01	0.025	0.065	0.11
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/24/83	17	0.01	0.009	0.02	0.	0.	0.005	0.004	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/25/82	13	0.09	0.148	0.43	0.02	0.019	0.14	0.02	0.03	0.28	0.394
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/75-08/24/83	17	0.46	0.601	1.8	0.14	0.16	0.4	0.26	0.325	0.765	1.24
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/23/75-08/24/83	17	0.13	0.159	0.44	0.02	0.017	0.131	0.02	0.03	0.27	0.368
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/18/79-04/18/79	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/23/75-08/24/83	18	0.04	0.066	0.39	0.02	0.007	0.083	0.029	0.03	0.07	0.111
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/75-08/24/83	14	0.03	0.025	0.08	0.005	0.	0.02	0.005	0.01	0.03	0.06
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/23/75-08/24/83	16	5.9	6.075	13.	3.	6.083	2.466	3.07	4.2	7.2	10.2
00940	CHLORIDE,TOTAL IN WATER MG/L	10/23/75-08/24/83	17	2.	2.118	3.	1.	0.36	0.6	1.	2.	2.5	3.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/23/75-07/22/76	3	5.	21.333	56.	3.	902.333	30.039	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/23/75-07/22/76	3	0.699	0.975	1.748	0.477	0.461	0.679	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.435								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/18/77-08/24/83	14	13.5	28.357	150.	0.5	2327.593	48.245	0.5	1.75	24.5	140.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	03/18/77-08/24/83	14	1.13	0.872	2.176	-0.301	0.65	0.806	-0.301	0.226	1.389	2.145
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			7.441								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/18/77-08/24/83	14	660.	1079.	3500.	8.	1115988.769	1056.404	24.	247.	1975.	2950.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/18/77-08/24/83	14	2.819	2.676	3.544	0.903	0.584	0.764	1.253	2.309	3.295	3.462

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			474.597								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/23/75-07/22/76	3	44.	359.333	1000.	34.	307865.333	554.856	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/23/75-07/22/76	3	1.643	2.058	3.	1.531	0.668	0.817	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			114.37								
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/05/76-08/24/83	16	61.	62.25	92.	28.	399.533	19.988	32.9	50.	82.5	89.2
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/18/79-07/09/80	4	0.06	0.058	0.1	0.01	0.002	0.04	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/18/79-08/24/83	11	0.12	0.128	0.21	0.09	0.002	0.045	0.09	0.09	0.18	0.204
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/23/75-08/25/82	15	3.1	3.427	8.5	1.7	2.724	1.65	1.76	2.5	3.8	6.4
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/23/75-08/24/83	18	4.	4.333	8.	1.	6.	2.449	1.	2.	7.	8.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/23/75-08/25/82	16	3.7	4.574	11.	0.88	11.373	3.372	1.244	1.6	7.35	10.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0172

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	16	0	0.00	5	0	0.00				6	0	0.00	5	0	0.00
00400	PH	Other-Hi Lim.	9.	17	0	0.00	6	0	0.00				5	0	0.00	6	0	0.00
		Other-Lo Lim.	6.5	17	0	0.00	6	0	0.00				5	0	0.00	6	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	17	0	0.00	6	0	0.00				5	0	0.00	6	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	13	0	0.00	5	0	0.00				4	0	0.00	4	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	6	0	0.00				5	0	0.00	6	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	17	0	0.00	6	0	0.00				6	0	0.00	5	0	0.00
		Drinking Water	250.	17	0	0.00	6	0	0.00				6	0	0.00	5	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	14	0	0.00	5	0	0.00				5	0	0.00	4	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0173

NPS Station ID: SACN0173
LAT/LON: 45.978837/ -92.357504
Agency: 21WIL
Date Created: 08/29/92
Location: HAYDEN LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 074014 /8270AG074014/4016W044014
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 12
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030001047500.00
RF3 Mile Point: 0.63
Distance from RF3: 0.07
On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00032	CLOUD COVER (PERCENT)	08/16/79-08/16/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/16/79-08/16/79	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/16/79-08/16/79	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/79-08/16/79	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/16/79-08/16/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/79-08/16/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/79-08/16/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/79-08/16/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/79-08/16/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/16/79-08/16/79	1	0.87	0.87	0.87	0.87	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/16/79-08/16/79	1	0.67	0.67	0.67	0.67	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/16/79-08/16/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/79-08/16/79	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/16/79-08/16/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/16/79-08/16/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/16/79-08/16/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/16/79-08/16/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/16/79-08/16/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/79-08/16/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/79-08/16/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/16/79-08/16/79	1	11.82	11.82	11.82	11.82	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/16/79-08/16/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0173

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0173

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0174

NPS Station ID: SACN0174
LAT/LON: 45.990504/ -92.372671
Agency: 21WITIS
Date Created: 12/03/94
Location: DANBURY FLOWAGE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 075025 /8270MA075025/4116W335025
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0174

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0175

NPS Station ID: SACN0175
LAT/LON: 46.014753/ -92.374698
Agency: 21WITIS
Date Created: 06/22/91
Location: ST CROIX RIVER 09 DANBURY
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 075016 /8270MA075016/4116W215016
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 1.60
On/Off RF1:
RF3 Index: 07030005002012.24
RF3 Mile Point: 12.24
Distance from RF3: 0.16
On/Off RF3:
Description:
STATION FOR LIEBENSTEIN OF WRM-MADISON (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	08/15/89-08/15/89	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	08/15/89-08/15/89	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/15/89-08/15/89	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	08/15/89-08/15/89	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	08/15/89-08/15/89	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/89-08/15/89	1	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0176

NPS Station ID: SACN0176
LAT/LON: 45.916670/ -92.391670
Agency: 11EPALES
Date Created: / /
Location: YELLOW LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 557602
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 18
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001018
RF1 Mile Point: 0.290
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030001001600.01
RF3 Mile Point: 0.00
Distance from RF3: 0.20
On/Off RF3:
Description:
1000 FEET FROM YELLOW RIVER OUTFALL (NORTHWEST OF OUTFALL).
USGS MAP: WEBSTER QUAD

Parameter Inventory for Station: SACN0176

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/72-11/03/72	6	19.6	17.25	20.1	5.2	35.003	5.916	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/27/72-11/03/72	4	76.5	79.25	90.	74.	52.917	7.274	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/26/72-11/03/72	3	59.	57.667	78.	36.	442.333	21.032	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/72-11/03/72	8	175.	176.25	195.	160.	141.071	11.877	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/72-11/03/72	5	8.2	8.32	9.9	6.6	1.437	1.199	**	**	**	**
00400	PH (STANDARD UNITS)	06/26/72-11/03/72	8	7.8	7.806	8.5	7.3	0.18	0.425	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/26/72-11/03/72	8	7.755	7.647	8.5	7.3	0.209	0.458	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/72-11/03/72	8	0.018	0.023	0.05	0.003	0.	0.019	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/72-11/03/72	8	81.5	79.5	84.	72.	22.286	4.721	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/26/72-11/03/72	8	0.15	0.151	0.27	0.04	0.01	0.099	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/26/72-11/03/72	8	0.06	0.064	0.08	0.05	0.	0.009	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/26/72-11/03/72	8	0.086	0.079	0.162	0.016	0.002	0.046	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/26/72-11/03/72	8	0.042	0.035	0.052	0.011	0.	0.016	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0176

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	4	0	0.00							1	0	0.00
00400	PH	Other-Hi Lim.	9.	8	0	0.00	6	0	0.00							2	0	0.00
		Other-Lo Lim.	6.5	8	0	0.00	6	0	0.00							2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	6	0	0.00							2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0177

NPS Station ID: SACN0177 LAT/LON: 45.918059/ -92.401948 Agency: 21WITIS Date Created: 08/01/87
Location: YELLOW LAKE FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/TISSUE STORET Station ID(s): 075006 /8270MA075006/4016W305006 /2675200
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030001 RF1 Mile Point: 0.000 Distance from RF1: 1.60 On/Off RF1:
RF3 Index: 07030005002012.24 RF3 Mile Point: 12.24 Distance from RF3: 0.16 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/02/85-04/11/86	14	1.86	2.369	5.4	1.01	1.441	1.2	1.155	1.645	2.873	4.75
00024	SAMPLE LENGTH IN INCHES	10/02/85-09/27/86	15	19.9	21.26	52.	14.7	79.49	8.916	15.18	16.8	21.4	34.84
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/27/86-09/27/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/02/85-09/27/86	15	0.34	0.381	0.99	0.06	0.045	0.212	0.12	0.27	0.5	0.708
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	09/27/86-09/27/86	1	13.	13.	13.	13.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0178

NPS Station ID: SACN0178
LAT/LON: 45.920338/ -92.409670
Agency: 21WIS
Date Created: 09/05/92
Location: YELLOW LAKE NEAR CENTER
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 073079 /8270AG073079/4017W253079
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 28
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 27.00
On/Off RF1:
RF3 Index: 07030001006602.12
RF3 Mile Point: 2.11
Distance from RF3: 0.05
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DISTRICT (715)635-4073 YELLOW LAKE AT MIDDLE OF WEST-CENTRAL PORTION OF MAIN BASIN.

Parameter Inventory for Station: SACN0178

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0179

NPS Station ID: SACN0179
LAT/LON: 45.925004/ -92.416671
Agency: 11EPALES
Date Created: / /
Location: YELLOW LAKE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 557601
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 6
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001015
RF1 Mile Point: 7.504
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030001152600.28
RF3 Mile Point: 0.28
Distance from RF3: 0.03
On/Off RF3:
Description:
200 FT DIRECTLY IN FRONT OF INFLOW RIVER.
USGS MAP: WEBSTER QUAD

Parameter Inventory for Station: SACN0179

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/72-11/03/72	7	19.7	13.729	20.9	5.2	63.299	7.956	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/27/72-11/03/72	6	81.5	82.	94.	70.	118.8	10.9	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/26/72-11/03/72	3	58.	59.333	66.	54.	37.333	6.11	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/72-11/03/72	9	175.	172.222	182.	140.	160.444	12.667	140.	171.5	180.	182.
00300	OXYGEN, DISSOLVED MG/L	06/26/72-11/03/72	6	8.	7.467	10.3	3.1	8.827	2.971	**	**	**	**
00400	PH (STANDARD UNITS)	06/26/72-11/03/72	9	7.5	7.583	8.4	7.25	0.11	0.332	7.25	7.4	7.65	8.4
00400	CONVERTED PH (STANDARD UNITS)	06/26/72-11/03/72	9	7.5	7.507	8.4	7.25	0.116	0.341	7.25	7.4	7.65	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/72-11/03/72	9	0.032	0.031	0.056	0.004	0.	0.014	0.004	0.023	0.04	0.056
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/72-11/03/72	9	77.	77.333	84.	72.	20.5	4.528	72.	73.	81.5	84.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/26/72-11/03/72	9	0.06	0.167	0.52	0.05	0.026	0.16	0.05	0.055	0.25	0.52
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/26/72-11/03/72	9	0.06	0.062	0.08	0.05	0.	0.008	0.05	0.06	0.065	0.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/26/72-11/03/72	9	0.052	0.064	0.177	0.017	0.002	0.046	0.017	0.039	0.072	0.177
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/26/72-11/03/72	9	0.021	0.027	0.043	0.013	0.	0.011	0.013	0.02	0.038	0.043
85301	TROPHIC STATE OF LAKE BY ANALYSIS OF DATA NES	01/01/72-01/01/72	1	3.	3.	3.	3.	0.	0.	**	**	**	**
85302	STRATIFICATION,PERMANENT SUMMER IN LAKE NES	01/01/72-01/01/72	1	2.	2.	2.	2.	0.	0.	**	**	**	**
85303	FISH YIELD IN KG/KM2/YEAR NES	01/01/72-01/01/72	1	21122.	21122.	21122.	21122.	0.	0.	**	**	**	**
85304	ALGAL ASSAY CONTROL YIELD NES	01/01/72-01/01/72	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
85305	RETENTION TIME, MEAN HYDRAULIC IN DAYS NES	01/01/72-01/01/72	1	154.	154.	154.	154.	0.	0.	**	**	**	**
85307	LATITUDE, NES SURVEY SINGLE VALUE FOR LAKE STNS.	01/01/72-01/01/72	1	455537.	455537.	455537.	455537.	0.	0.	**	**	**	**
85308	LONGITUDE, SINGLE VALUE FOR LAKE STATIONS NES	01/01/72-01/01/72	1	922515.	922515.	922515.	922515.	0.	0.	**	**	**	**
85309	PRECIPITATION FOR LAKE FOR YEAR SAMPLE NES CM/YR	01/01/72-01/01/72	1	84.84	84.84	84.84	84.84	0.	0.	**	**	**	**
85310	DEPTH, MAXIMUM FOR LAKE NES SURVEY IN METERS	01/01/72-01/01/72	1	9.75	9.75	9.75	9.75	0.	0.	**	**	**	**
85311	DEPTH, MEAN VALUE FOR LAKE IN METERS NES	01/01/72-01/01/72	1	5.76	5.76	5.76	5.76	0.	0.	**	**	**	**
85312	ROUNDS FOR LAKE IN NUMBER AND TO TOTAL	01/01/72-01/01/72	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
85313	ORTHO-PHOSPHATE NES ALGAL ASSAY MG/L	01/01/72-01/01/72	1	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0179

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	6	1	0.17	5	1	0.20							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0179

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	9	0	0.00	8	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	9	0	0.00	8	0	0.00							1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	8	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0180

NPS Station ID: SACN0180
LAT/LON: 46.052226/ -92.422782
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: ROCK 3 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0007
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 32.8 HECTARE B
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: - M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0180

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0181

NPS Station ID: SACN0181
LAT/LON: 46.052226/ -92.422782
Agency: 21MINNL
Date Created: 10/08/85
Location: LAKE: ROCK 3 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0007
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 32.8 HECTARE B
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: - M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 12.40
On/Off RF1:
RF3 Index: 07030003062201.51
RF3 Mile Point: 1.50
Distance from RF3: 0.08
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0181

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/27/85-08/27/85	1	5.95	5.95	5.95	5.95	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/27/85-08/27/85	1	5.95	5.95	5.95	5.95	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/85-08/27/85	1	1.122	1.122	1.122	1.122	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	1	0.029	0.029	0.029	0.029	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0181

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0182

NPS Station ID: SACN0182 | LAT/LON: 45.928503/ -92.426504 | Agency: 21WIS | Date Created: 08/06/94
Location: LIT YELLOW LAKE NEAR DEEPEST PT | FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE/VOLUN | STORET Station ID(s): 073048 /8270AG073048/4017W263048
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030001 | Depth of Water: 20 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id: WI2674800
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1:
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
STATION FOR SCOTT PEARSON OF NORTHWEST DIST (715)635-4073 LITTLE YELLOW LAKE NEAR DEEPEST POINT. WATER QUALITY MONITORING SITE FOR SELF HELP PROGRAM.

Parameter Inventory for Station: SACN0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/94-10/26/94	6	14.4	15.783	26.1	7.7	63.038	7.94	**	**	**	**
00032	CLOUD COVER (PERCENT)	09/28/94-10/26/94	4	60.	60.	70.	50.	133.333	11.547	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/16/94-10/26/94	6	6.	6.083	7.5	4.75	1.517	1.232	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/94-10/26/94	6	0.057	0.06	0.087	0.041	0.	0.019	**	**	**	**
32000	SAMPLE SIZE (LITERS)	08/16/94-10/26/94	3	500.	600.	800.	500.	30000.	173.205	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/16/94-10/26/94	3	19.3	17.733	21.2	12.7	19.903	4.461	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0183

NPS Station ID: SACN0183
LAT/LON: 46.075003/ -92.440837
Agency: 21MINNL
Date Created: 10/08/85
Location: LAKE: GRACE 2.5 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0029
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 21.9 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 3.0 M
ECO Region:
RF1 Index: 07030001040
RF1 Mile Point: 1.330
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030001031500.00
RF3 Mile Point: 0.11
Distance from RF3: 0.08
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0183

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/27/85-08/27/85	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/27/85-08/27/85	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/85-08/27/85	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	1	1.55	1.55	1.55	1.55	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	1	0.135	0.135	0.135	0.135	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	1	4.	4.	4.	4.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0183

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0184

NPS Station ID: SACN0184
LAT/LON: 46.075003/ -92.440837
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: GRACE 2.5 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0029
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 21.9 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 3.0 M
ECO Region:
RF1 Index: 07030001040
RF1 Mile Point: 1.330
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0184

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0185

NPS Station ID: SACN0185 | LAT/LON: 46.013059/ -92.445560 | Agency: 21MINNQ | Date Created: 09/17/94
Location: ST CROIX R FishComposit ABV MN-48 W O DANBURY WI | FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/TISSUE | STORET Station ID(s): SC130 /SC-111C
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001 | Depth of Water: 0 | Aquifer:
Major Basin: MAJ BASIN: UPPER MISS | Elevation: 0 | Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001013 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1: ON
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
St. Croix River above the bridge on Minnesota State Highway 48. The site is 3.5 miles west of Danbury, Wisconsin and 23 miles east of Hinckley, Minnesota. Fish were composited from just downstream of the bridge to just upstream of the mouth of the Lower Tamarack River.;
ST. CROIX RIVER BASIN T41N/R17W/S24 PINE COUNTY

Parameter Inventory for Station: SACN0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0186

NPS Station ID: SACN0186 | LAT/LON: 46.013059/ -92.445560 | Agency: 21MINN | Date Created: 02/19/94
Location: ST CROIX R FishComposit ABV MN-48 W O DANBURY WI | FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/TISSUE | STORET Station ID(s): SC130 /SC-111C
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001 | Depth of Water: 0 | Aquifer:
Major Basin: MAJ BASIN: UPPER MISS | Elevation: 0 | Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030001013 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1: ON
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
St. Croix River above the bridge on Minnesota State Highway 48. The site is 3.5 miles west of Danbury, Wisconsin and 23 miles east of Hinckley, Minnesota. Fish were composited from just downstream of the bridge to just upstream of the mouth of the Lower Tamarack River.;
ST. CROIX RIVER BASIN T41N/R17W/S24 PINE COUNTY

Parameter Inventory for Station: SACN0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	08/16/91-08/16/91	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	08/16/91-08/16/91	1	15.	15.	15.	15.	0.	0.	**	**	**	**
04263	INVALID PARAMETER	08/16/91-08/16/91	1	910822.	910822.	910822.	910822.	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	08/16/91-08/16/91	1	## 0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	08/16/91-08/16/91	1	## 0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	08/16/91-08/16/91	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/16/91-08/16/91	1	## 0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/16/91-08/16/91	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/16/91-08/16/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0187

NPS Station ID: SACN0187 LAT/LON: 46.013059/ -92.445560 Agency: 21MINN Date Created: / /
Location: ST. CROIX R AT MN-48 BR, 3.5 MI W OF DANBURY, WI FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/NET STORET Station ID(s): SCSC111BB-15E57/@SSGWG-0056 /SC-111
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030001013 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 07030004048600.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:
ST. CROIX RIVER AT THE BRIDGE ON MINNESOTA STATE HIGHWAY 48. THE SITE IS 3.5 MILES WEST OF DANBURY, WISCONSIN AND 23 MILES EAST OF HINCKLEY, MINNESOTA; ST. CROIX RIVER BASIN T41N/R17W/S25 PINE COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE

Parameter Inventory for Station: SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	181	12.	11.594	28.	0.	75.624	8.696	0.	1.75	19.	23.4
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	125	51.	51.184	76.	32.	237.442	15.409	32.	34.	65.5	72.
00023	SAMPLE WEIGHT IN POUNDS	08/23/89-08/30/89	14	2.05	2.471	6.8	0.3	3.825	1.956	0.3	0.65	4.175	5.8
00024	SAMPLE LENGTH IN INCHES	08/23/89-08/30/89	14	18.25	17.064	24.7	8.	34.975	5.914	8.	11.425	22.525	24.1
00060	FLOW, STREAM, MEAN DAILY CFS	04/30/57-03/20/61	23	1200.	1366.609	2950.	250.	451915.431	672.247	766.8	1030.	1600.	2852.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	04/30/57-12/17/68	47	7.	7.623	31.	1.	21.073	4.591	2.48	5.	9.	11.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	98	2.7	2.982	15.	1.1	2.705	1.645	1.6	2.1	3.525	4.2
00080	COLOR (PLATINUM-COBALT UNITS)	06/11/57-10/06/72	48	35.	42.583	120.	7.	665.057	25.789	15.	25.	50.	90.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	271	130.	129.096	540.	49.	1414.909	37.615	92.4	110.	140.	160.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	128	3.	3.141	8.5	0.	3.46	1.86	1.	2.	5.	5.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	307	8.9	9.183	15.4	5.3	3.581	1.892	7.	7.7	10.5	11.92
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	295	1.4	1.689	19.	0.1	1.982	1.408	0.6	1.	2.	3.
00335	COD, .025N K2CR2O7 MG/L	07/08/74-12/17/75	14	27.5	26.429	40.	12.	76.571	8.751	13.5	17.75	32.5	39.
00400p	PH (STANDARD UNITS)	04/30/57-06/27/77	145	7.5	7.56	8.7	6.6	0.172	0.414	7.1	7.3	7.8	8.08
00400p	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	145	7.5	7.388	8.7	6.6	0.202	0.449	7.1	7.3	7.8	8.08
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	145	0.032	0.041	0.251	0.002	0.002	0.039	0.009	0.016	0.05	0.079
00403	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	163	7.7	7.635	8.4	6.4	0.104	0.323	7.24	7.4	7.8	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	163	7.7	7.487	8.4	6.4	0.126	0.355	7.24	7.4	7.8	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	163	0.02	0.033	0.398	0.004	0.002	0.042	0.01	0.016	0.04	0.058
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	115	60.	60.243	94.	22.	160.817	12.681	44.	53.	68.	76.4
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	09/22/69-09/22/69	1	74.	74.	74.	74.	0.	0.	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	108	100.	118.083	1400.	64.	16007.759	126.522	84.	96.	117.5	130.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/30/57-07/08/74	48	40.	41.854	71.	14.	239.659	15.481	19.9	31.25	50.	67.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/74-09/12/74	3	85.	87.	94.	82.	39.	6.245	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	294	4.	6.291	120.	0.25	91.667	9.574	2.	3.	7.	9.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/30/57-09/21/72	65	4.	4.862	54.	1.	46.902	6.849	2.	2.	4.5	7.4
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/22/69-07/08/74	5	1.3	1.11	1.6	0.15	0.371	0.609	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	252	0.48	0.513	1.62	0.14	0.059	0.244	0.246	0.36	0.61	0.85
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	284 ##	0.1	0.087	1.08	0.01	0.008	0.09	0.02	0.05	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	79 ##	0.01	0.017	0.07	0.005	0.	0.013	0.005	0.01	0.02	0.04
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	106	0.135	0.182	0.88	0.005	0.028	0.168	0.025	0.05	0.25	0.406

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	153	0.52	0.582	1.62	0.19	0.067	0.259	0.33	0.405	0.66	0.948
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	174	0.05	0.092	1.4	0.005	0.019	0.139	0.01	0.024	0.15	0.21
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	292	0.046	0.07	0.77	0.005	0.008	0.09	0.022	0.031	0.07	0.112
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/09/74-07/25/77	24	8.35	8.338	16.	0.5	14.196	3.768	2.5	6.35	10.75	13.5
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/22/69-07/29/91	9 ##	0.004	0.061	0.5	0.001	0.027	0.165	0.001	0.002	0.018	0.5
00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	11/22/76-11/22/76	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	09/22/69-07/08/74	4 ##	0.01	0.013	0.025	0.005	0.	0.009	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	113	65.	63.448	92.	0.6	197.644	14.059	45.4	58.	72.	80.
00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/22/91	71	44.	42.592	76.	15.	110.788	10.526	29.2	33.	49.	53.8
00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/22/91	30	20.	20.2	48.	5.	57.614	7.59	10.3	16.	23.25	27.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/25/77	60	3.	3.903	34.	1.	17.792	4.218	1.82	2.425	4.	6.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/25/77	59	1.	1.506	19.	0.35	6.384	2.527	0.5	0.5	1.5	3.
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	130	3.	3.46	47.	0.25	19.902	4.461	1.	2.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-06/15/81	44	6.	6.318	15.	2.5	13.152	3.627	2.5	2.5	9.	11.5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/25/77	59 ##	0.05	0.075	1.	0.05	0.016	0.125	0.05	0.05	0.05	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/22/69-07/08/74	5	14.	12.76	15.	8.8	6.088	2.467	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/01/90	66 ##	5.	3.799	11.	0.25	4.746	2.179	0.5	1.	5.	5.
01007	BARIUM, TOTAL (UG/L AS BA)	09/22/69-07/08/74	5 ##	10.	11.2	25.	1.	74.7	8.643	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/22/69-09/21/72	4 ##	27.5	30.	40.	25.	50.	7.071	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	99 ##	5.	5.157	30.	0.005	16.174	4.022	0.08	5.	5.	5.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/22/69-09/29/71	3 ##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/22/69-10/22/91	15	0.6	2.783	10.	0.25	11.835	3.44	0.28	0.5	5.	10.
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	102 ##	5.	5.668	60.	0.25	39.508	6.286	1.01	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	87	400.	445.701	1200.	5.	68999.189	262.677	150.	220.	620.	816.
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	91 ##	5.	6.14	60.	0.1	54.686	7.395	1.6	5.	5.	9.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	88	59.5	79.807	500.	5.	6329.514	79.558	20.	37.75	94.5	151.
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	97 ##	5.	5.385	26.	0.5	12.797	3.577	5.	5.	5.	5.
01077	SILVER, TOTAL (UG/L AS AG)	09/22/69-09/21/72	4 ##	1.	1.875	5.	0.5	4.396	2.097	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	100	5.	25.235	350.	0.6	3264.051	57.132	5.	5.	18.75	53.3
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/88-10/22/91	4	116.	139.75	270.	57.	9084.25	95.311	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/01/90	49 ##	2.5	2.827	5.	0.5	3.818	1.954	1.	1.	5.	5.
01501	ALPHA, TOTAL	09/25/70-07/08/74	4 ##	0.75	0.75	1.	0.5	0.083	0.289	**	**	**	**
01502	ALPHA, TOTAL, COUNTING ERROR	09/25/70-09/25/70	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01503	ALPHA, DISSOLVED	05/05/58-04/09/59	4	1.5	2.475	6.	0.9	5.769	2.402	**	**	**	**
01505	ALPHA, SUSPENDED	05/05/58-04/09/59	5	0.6	0.6	1.	0.2	0.085	0.292	**	**	**	**
03501	BETA, TOTAL	04/30/57-07/08/74	10	7.5	26.3	130.	4.	1520.011	38.987	4.1	5.	35.	121.4
03502	BETA, TOTAL, COUNTING ERROR	09/25/70-07/08/74	4	2.	2.	2.	2.	0.	0.	**	**	**	**
03503	BETA, DISSOLVED	05/05/58-06/03/59	8	20.	25.5	85.	7.	632.	25.14	**	**	**	**
03505	BETA, SUSPENDED	05/05/58-04/09/59	6	17.	17.667	25.	10.	31.467	5.61	**	**	**	**
31505p	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	133	230.	672.429	16000.	20.	2673227.398	1635.001	79.4	130.	490.	1300.
31505p	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	133	2.362	2.441	4.204	1.301	0.266	0.515	1.9	2.114	2.69	3.114
31505p	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			275.958								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	82	12.	27.762	260.	2.	1644.563	40.553	2.	4.	34.	77.6
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	82	1.079	1.102	2.415	0.301	0.304	0.551	0.301	0.602	1.529	1.889
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			12.641								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	191	20.	47.513	790.	1.	8000.63	89.446	5.	10.	50.	108.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	191	1.301	1.325	2.898	0.	0.288	0.537	0.699	1.	1.699	2.033
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			21.121								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/11/81-08/11/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/11/81-08/11/81	1	1.301	1.301	1.301	1.301	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	04/15/85-03/19/86	9	16.	30.722	170.	2.	2810.444	53.014	2.	2.25	24.	170.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	04/15/85-03/19/86	9	1.204	1.078	2.23	0.301	0.408	0.639	0.301	0.349	1.38	2.23
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			11.962								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	04/15/85-03/19/86	7	8.	28.357	160.	2.	3389.56	58.22	**	**	**	**
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	04/15/85-03/19/86	7	0.903	0.895	2.204	0.301	0.456	0.675	**	**	**	**
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			7.854								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/22/69-07/26/76	11	27.	133.136	620.	4.5	51073.155	225.994	4.5	4.5	160.	604.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/22/69-07/26/76	11	1.431	1.503	2.792	0.653	0.616	0.785	0.653	0.653	2.204	2.78
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			31.846								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/22/69-06/13/88	7 ##	2.5	3.286	10.	1.	10.821	3.29	**	**	**	**
32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	11/22/76-11/22/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	08/23/89-08/30/89	14 ##	0.005	0.009	0.058	0.005	0.	0.014	0.005	0.005	0.005	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	89 ##	0.05	0.134	0.64	0.05	0.022	0.149	0.05	0.05	0.175	0.35
39105	PERCENT FAT HEXANE EXTRACTION	08/23/89-08/30/89	14	0.75	1.314	8.1	0.05	4.232	2.057	0.05	0.2	1.4	5.1
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/29/71-11/22/76	7	0.02	0.023	0.05	0.005	0.	0.02	**	**	**	**
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/10/73-09/05/73	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/11/67-09/22/69	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/29/71-09/29/71	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	08/23/89-08/30/89	14 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	08/23/89-08/30/89	13 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/23/89-08/30/89	14 ##	0.01	0.013	0.058	0.01	0.	0.013	0.01	0.01	0.01	0.034
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/22/76-11/22/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	11/22/76-11/22/76	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	11/22/76-11/22/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	11/22/76-11/22/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	11/22/76-11/22/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/22/76-11/22/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-10/20/86	63	0.1	0.331	5.5	0.05	0.636	0.797	0.05	0.05	0.3	0.6
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/23/89-08/30/89	14	0.255	0.384	1.4	0.04	0.148	0.385	0.04	0.138	0.5	1.175
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/14/87-07/14/87	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/23/89-08/30/89	14	3.	2.857	4.	2.	0.286	0.535	2.	2.75	3.	3.5
81906	DESCRIPTION OF SAMPLE	04/22/91-09/12/94	32	270890.	263761.031	272112.	210498.	319660357.967	17879.048	233255.9	270201.	271567.25	271940.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0187

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	98	0	0.00	31	0	0.00	22	0	0.00	10	0	0.00	35	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	307	0	0.00	94	0	0.00	51	0	0.00	38	0	0.00	124	0	0.00
00400	PH	Other-Hi Lim.	9.	145	0	0.00	48	0	0.00	31	0	0.00	14	0	0.00	52	0	0.00
		Other-Lo Lim.	6.5	145	0	0.00	48	0	0.00	31	0	0.00	14	0	0.00	52	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	163	0	0.00	46	0	0.00	21	0	0.00	24	0	0.00	72	0	0.00
		Other-Lo Lim.	6.5	163	1	0.01	46	0	0.00	21	1	0.05	24	0	0.00	72	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	79	0	0.00	26	0	0.00	19	0	0.00	7	0	0.00	27	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	106	0	0.00	33	0	0.00	25	0	0.00	10	0	0.00	38	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	174	0	0.00	50	0	0.00	24	0	0.00	25	0	0.00	75	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	7 &	0	0.00	3	0	0.00							4	0	0.00
		Drinking Water	0.2	8 &	0	0.00	4	0	0.00							4	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	130	0	0.00	45	0	0.00	27	0	0.00	13	0	0.00	45	0	0.00
		Drinking Water	250.	130	0	0.00	45	0	0.00	27	0	0.00	13	0	0.00	45	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	44	0	0.00	15	0	0.00	10	0	0.00	4	0	0.00	15	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	59	0	0.00	19	0	0.00	12	0	0.00	6	0	0.00	22	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	66	0	0.00	23	0	0.00	12	0	0.00	5	0	0.00	26	0	0.00
		Drinking Water	50.	66	0	0.00	23	0	0.00	12	0	0.00	5	0	0.00	26	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	5	0	0.00	4	0	0.00							1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	15 &	4	0.27	7	1	0.14	1	1	1.00				7	2	0.29
		Drinking Water	5.	15 &	4	0.27	7	1	0.14	1	1	1.00				7	2	0.29
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	15	0	0.00	11	0	0.00							4	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	101 &	2	0.02	34	0	0.00	21	0	0.00	8	0	0.00	38	2	0.05
		Drinking Water	1300.	102	0	0.00	34	0	0.00	21	0	0.00	8	0	0.00	39	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	91	0	0.00	30	0	0.00	21	0	0.00	8	0	0.00	32	0	0.00
		Drinking Water	15.	91	4	0.04	30	1	0.03	21	1	0.05	8	0	0.00	32	2	0.06
01067	NICKEL, TOTAL	Fresh Acute	1400.	97	0	0.00	33	0	0.00	21	0	0.00	8	0	0.00	35	0	0.00
		Drinking Water	100.	97	0	0.00	33	0	0.00	21	0	0.00	8	0	0.00	35	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

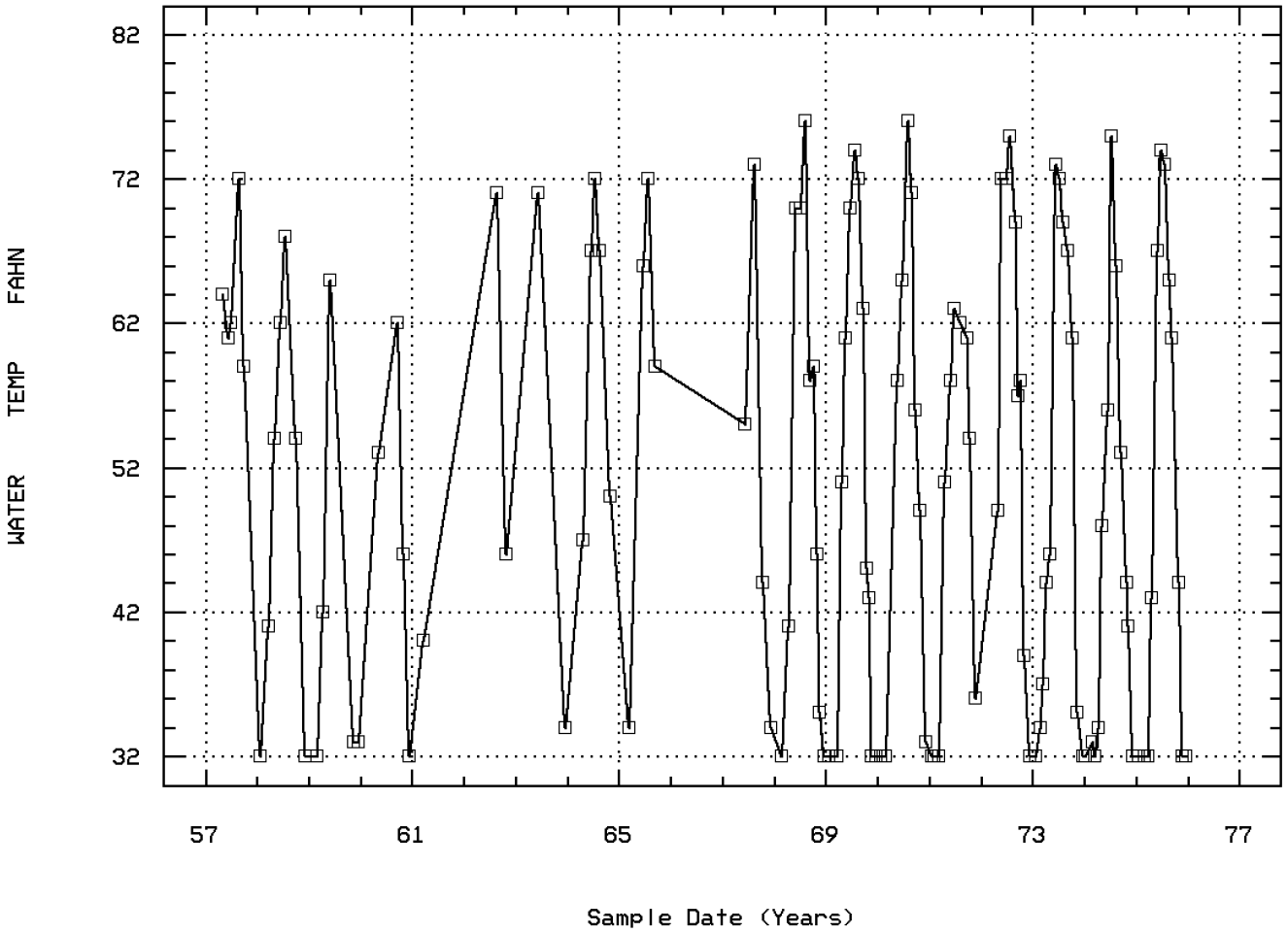
EPA Water Quality Criteria Analysis for Station: SACN0187

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01077	SILVER, TOTAL	Fresh Acute	4.1	3 &	0	0.00	3	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	100	4	0.04	34	1	0.03	21	0	0.00	8	0	0.00	37	3	0.08
		Drinking Water	5000.	100	0	0.00	34	0	0.00	21	0	0.00	8	0	0.00	37	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	49	0	0.00	14	0	0.00	10	0	0.00	5	0	0.00	20	0	0.00
		Drinking Water	50.	49	0	0.00	14	0	0.00	10	0	0.00	5	0	0.00	20	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	133	21	0.16	44	11	0.25	27	1	0.04	13	1	0.08	49	8	0.16
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	82	1	0.01	25	0	0.00	7	0	0.00	13	0	0.00	37	1	0.03
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	191	8	0.04	58	3	0.05	39	1	0.03	21	0	0.00	73	4	0.05
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00										1	0	0.00
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	7	0	0.00	3	0	0.00				1	0	0.00	3	0	0.00
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	1	0	0.00							1	0	0.00
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	1	0	0.00	1	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00	1	0	0.00									
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	1	0	0.00	1	0	0.00									
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	63	2	0.03	22	0	0.00	12	1	0.08	5	1	0.20	24	0	0.00
		Drinking Water	2.	63	2	0.03	22	0	0.00	12	1	0.08	5	1	0.20	24	0	0.00

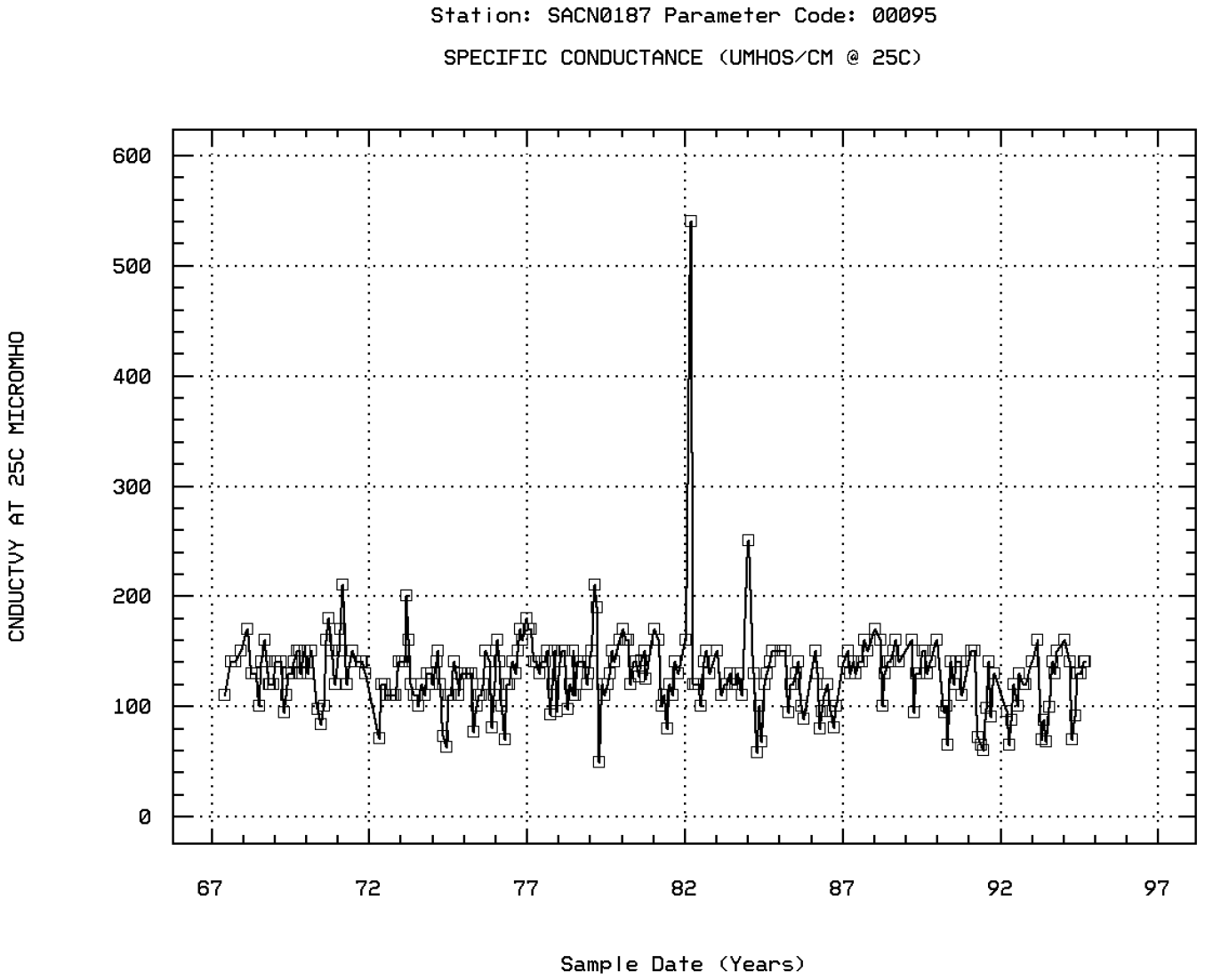
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: SACN0187 Parameter Code: 00011

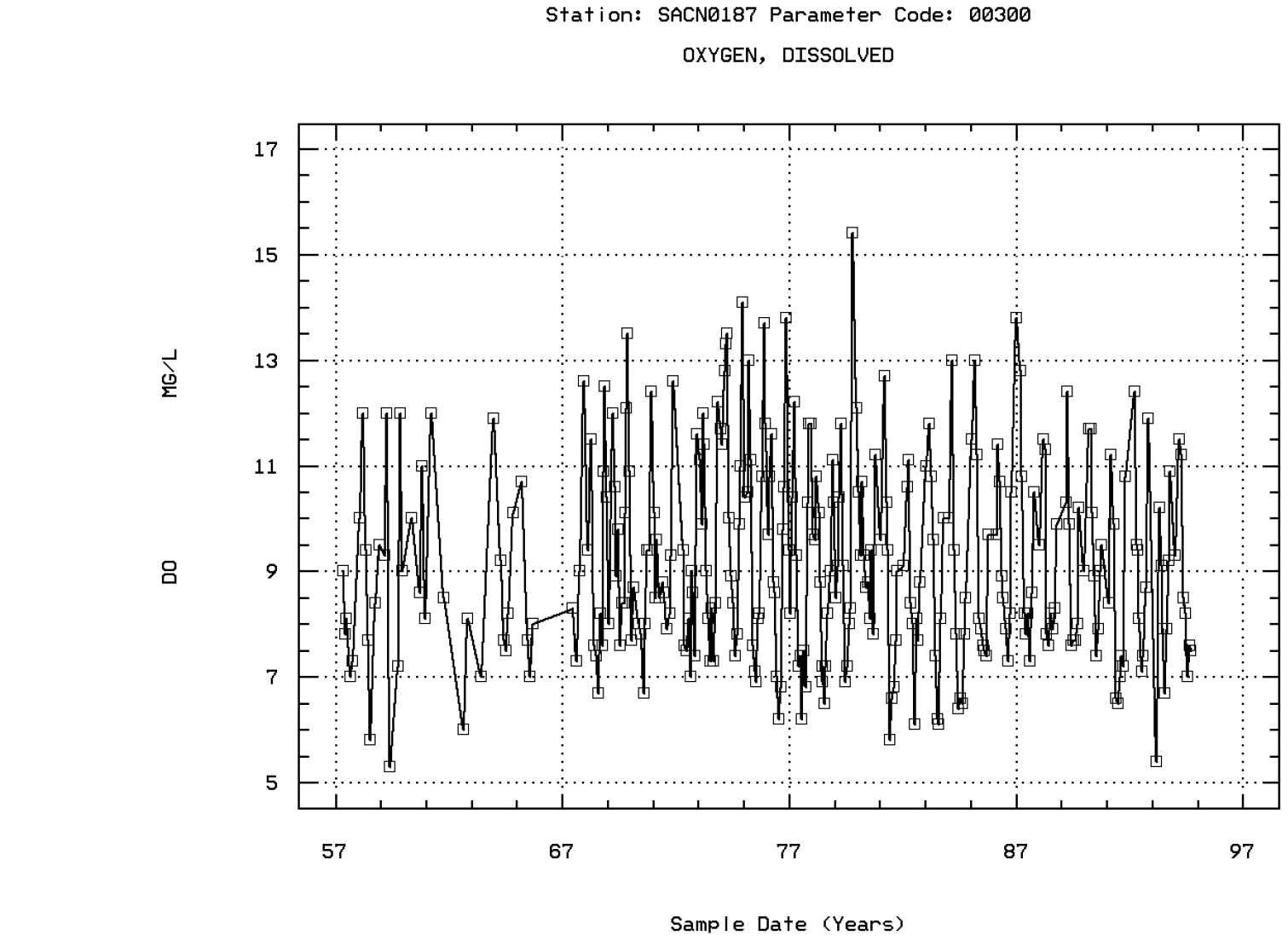
TEMPERATURE, WATER (DEGREES FAHRENHEIT)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA



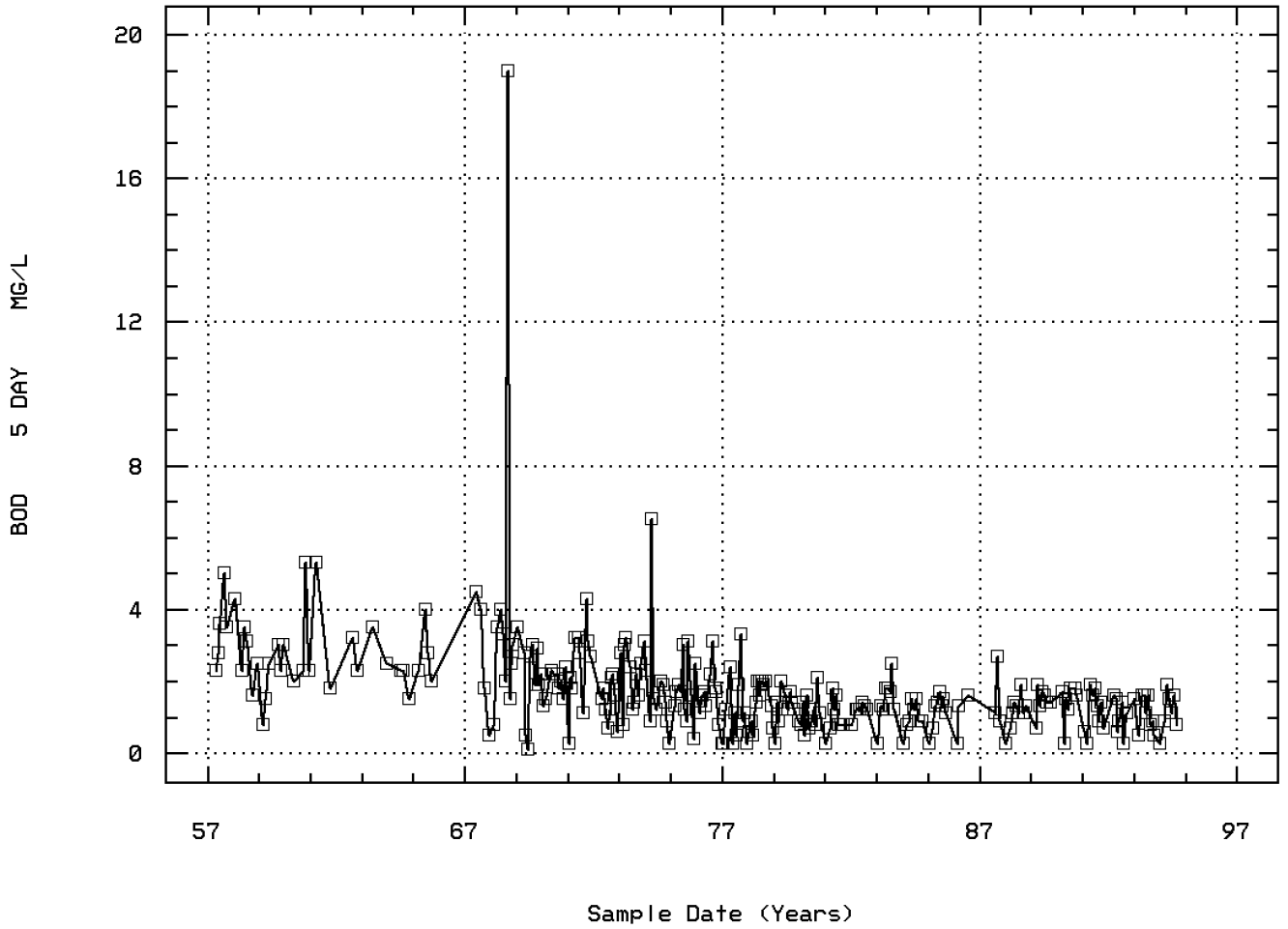
ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA



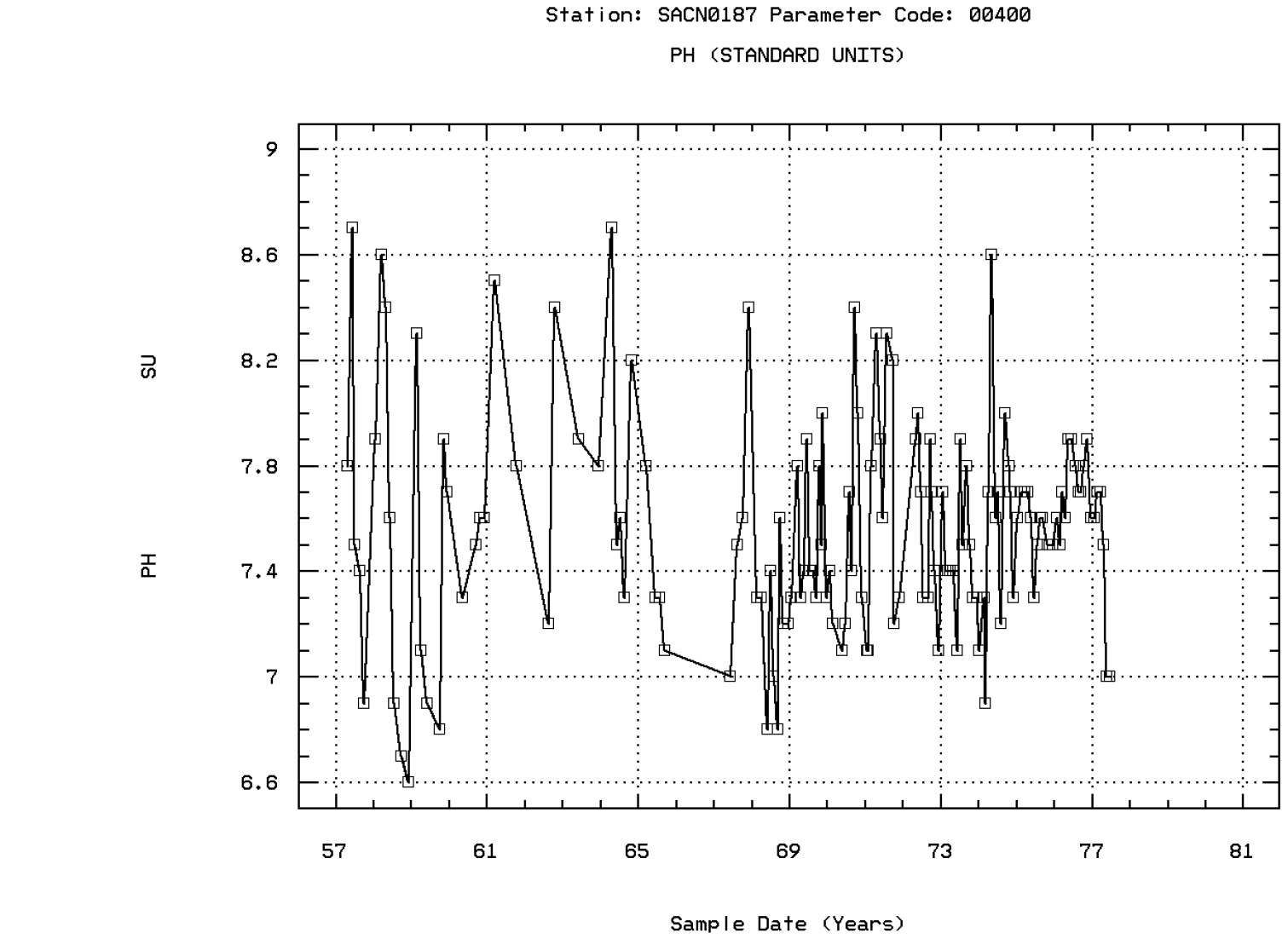
ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00310

BOD, 5 DAY, 20 DEG C



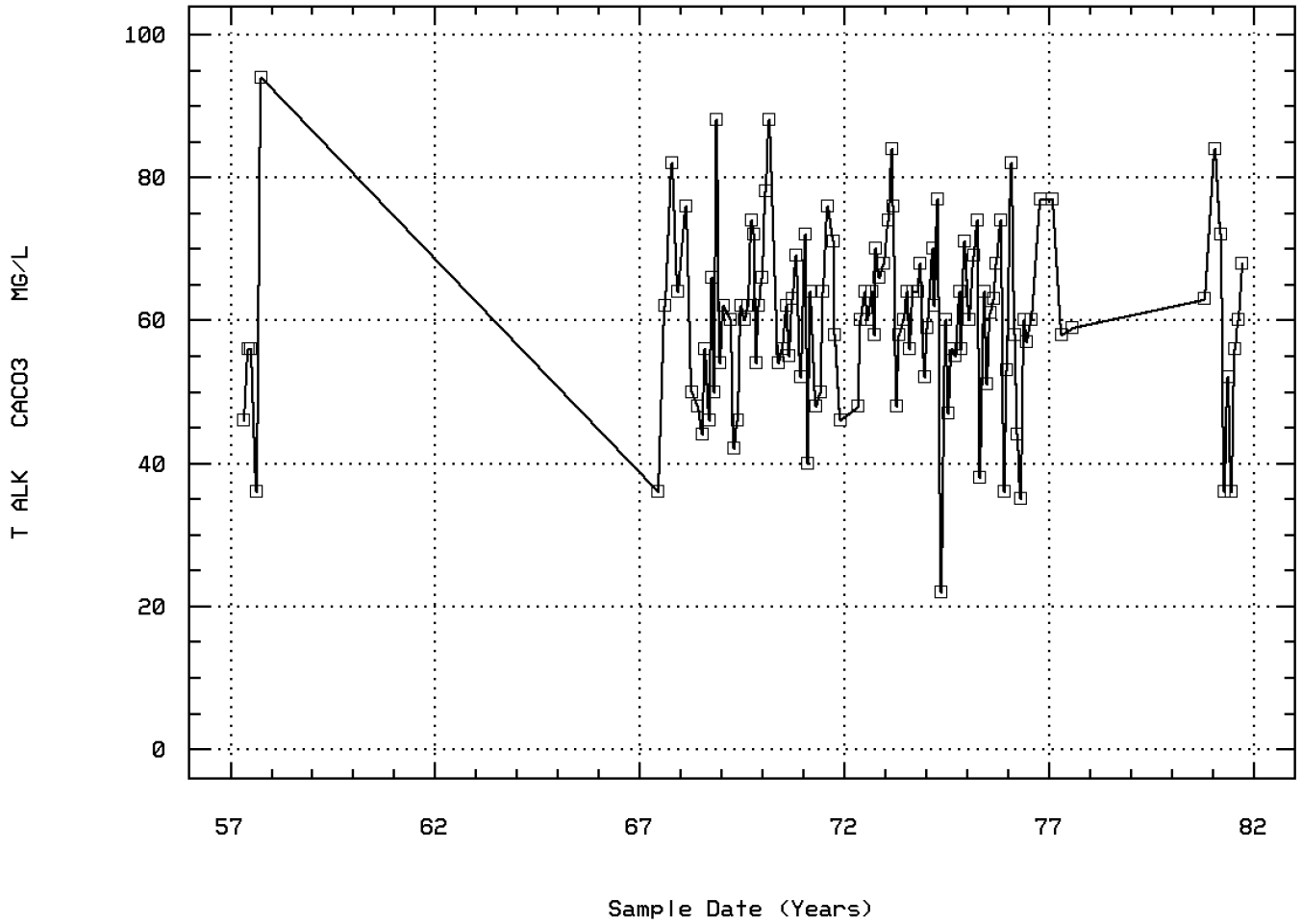
ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA



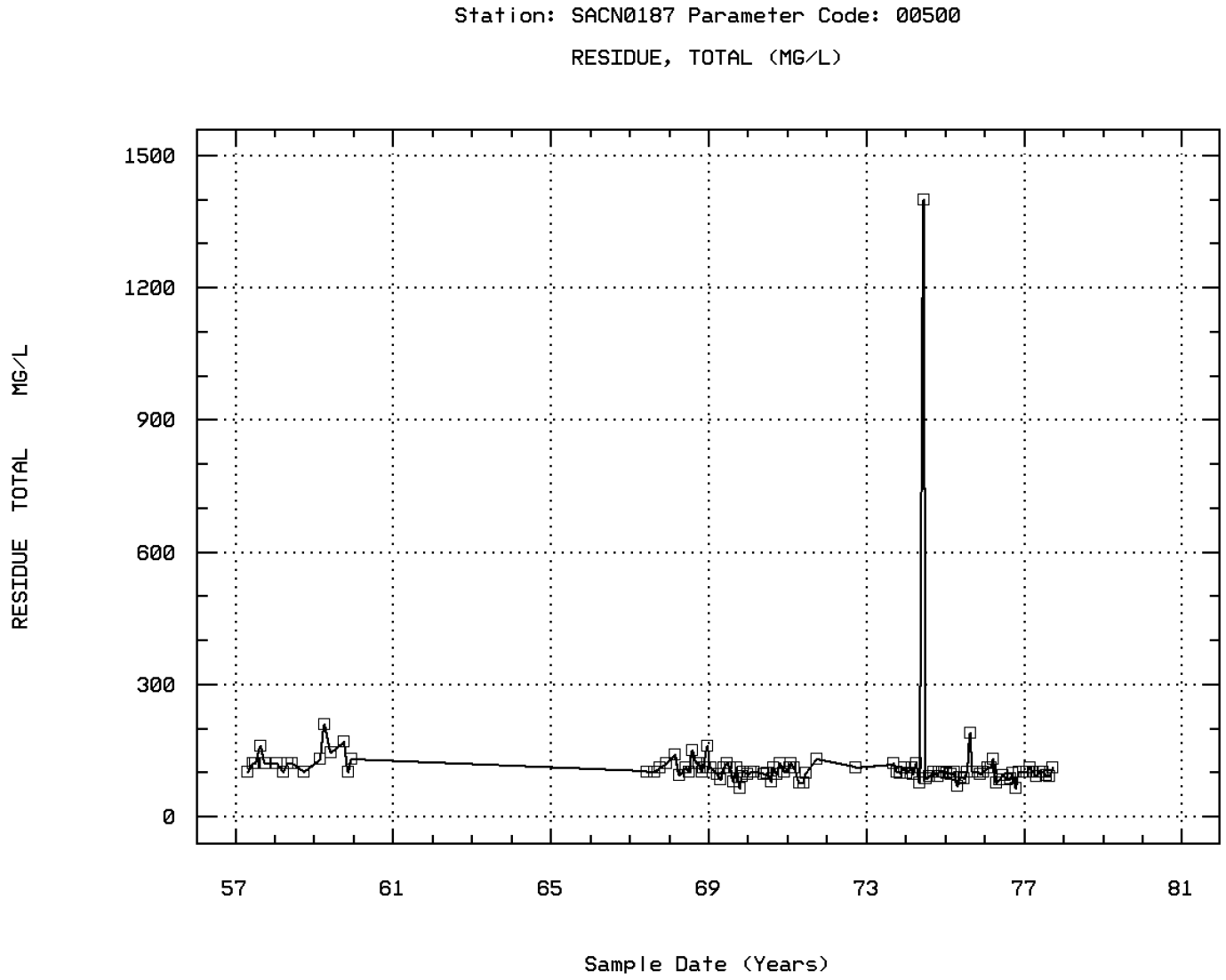
ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00410

ALKALINITY, TOTAL (MG/L AS CACO3)



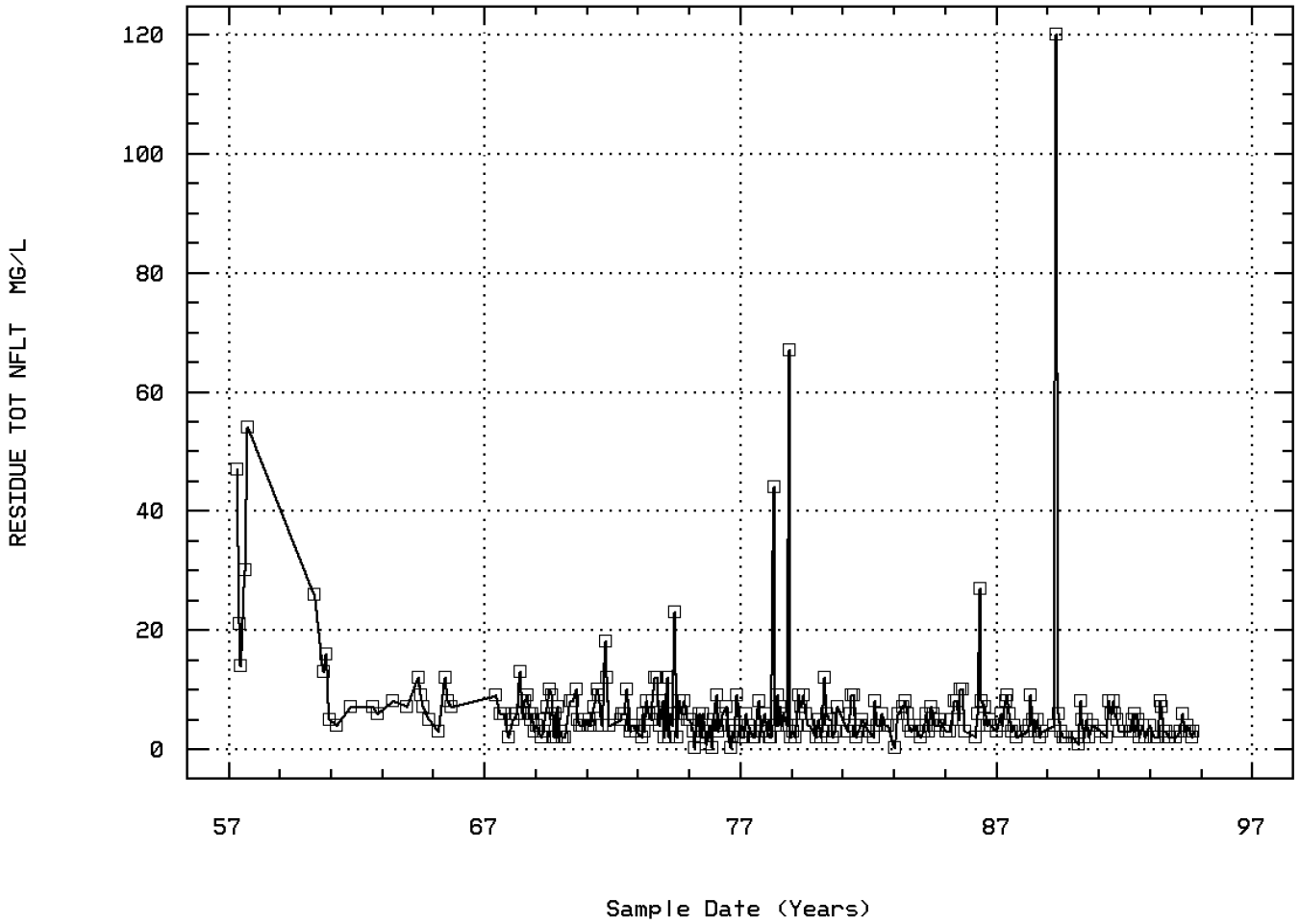
ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA



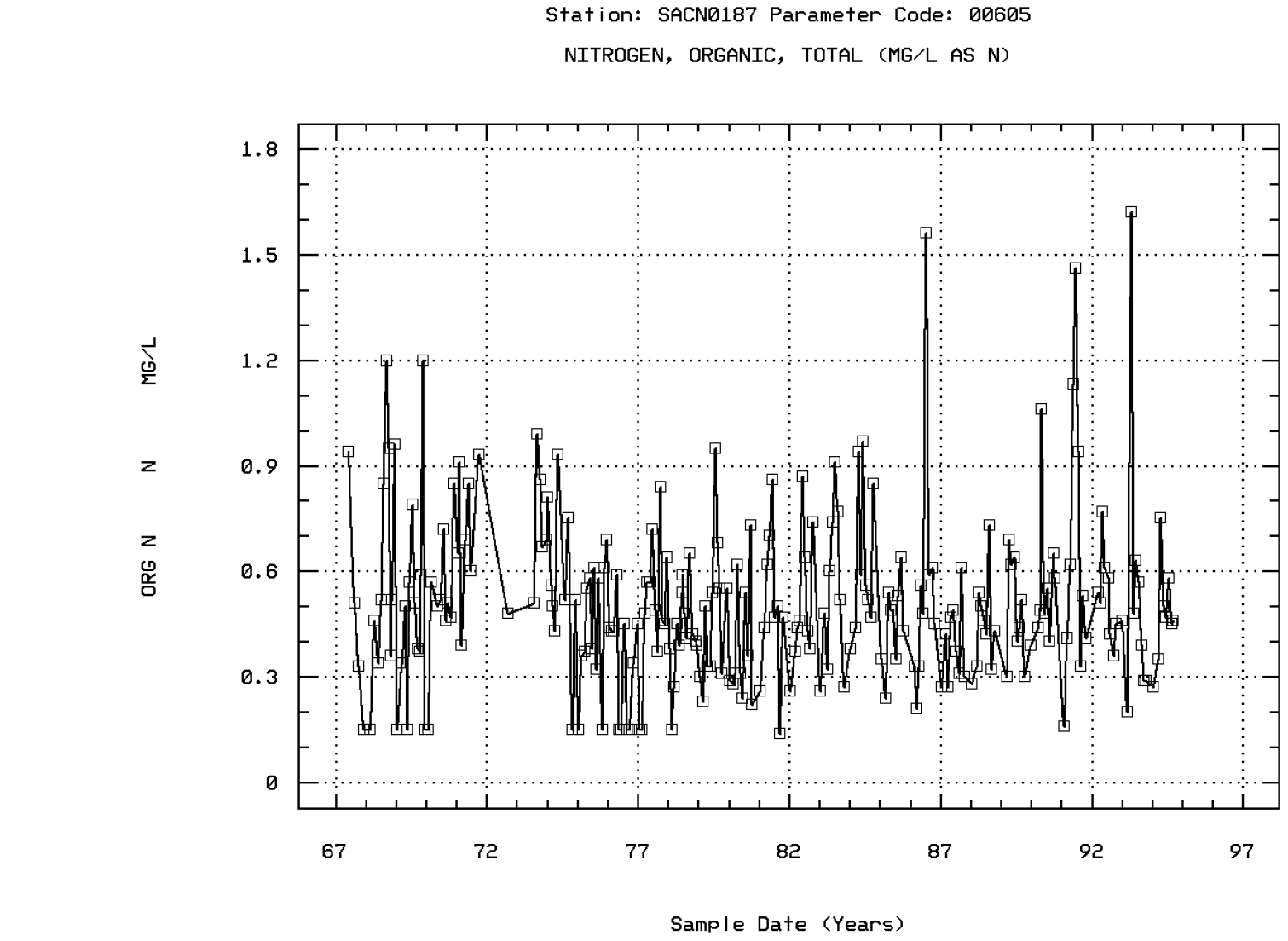
ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00530

RESIDUE, TOTAL NONFILTRABLE (MG/L)



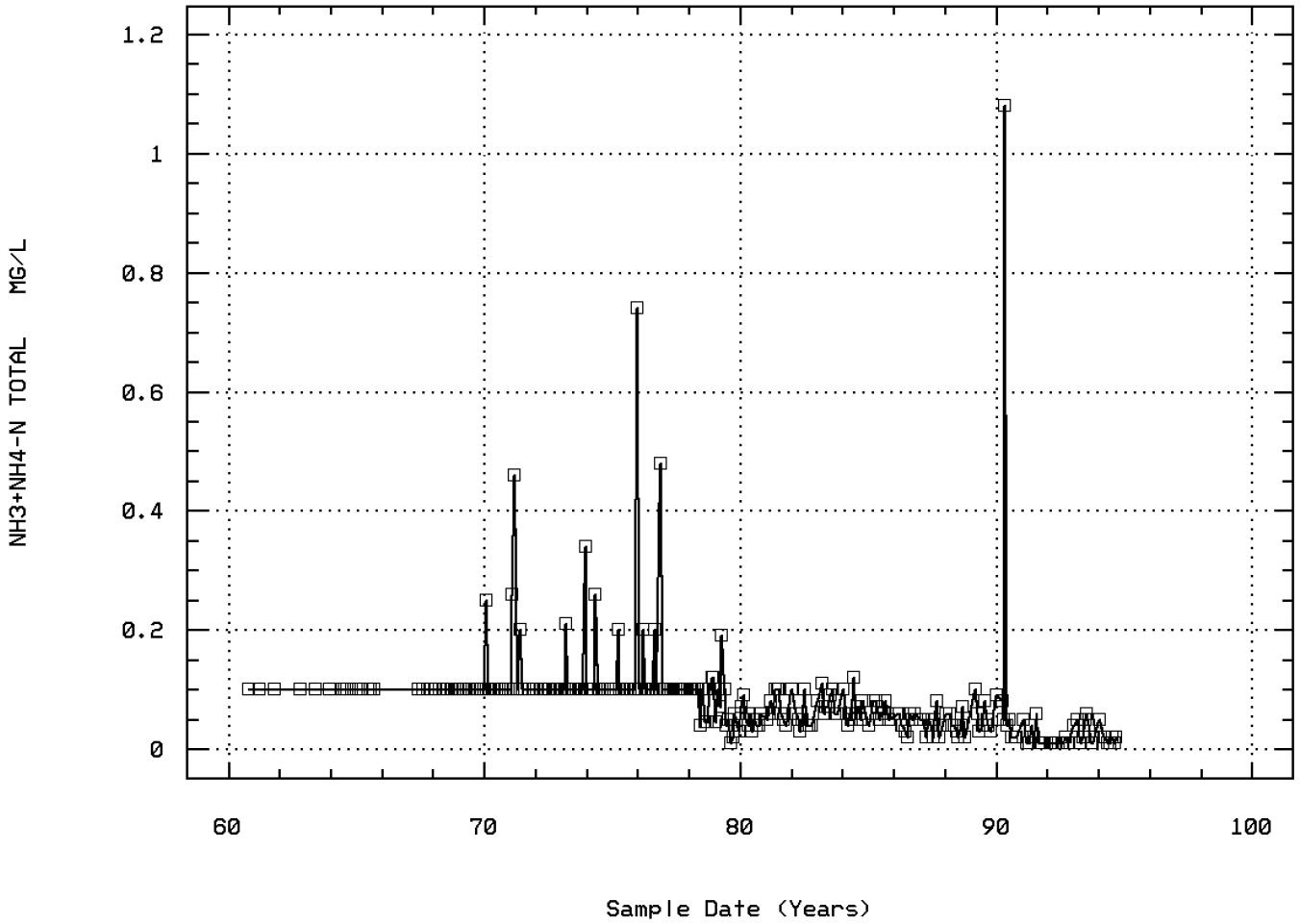
ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA



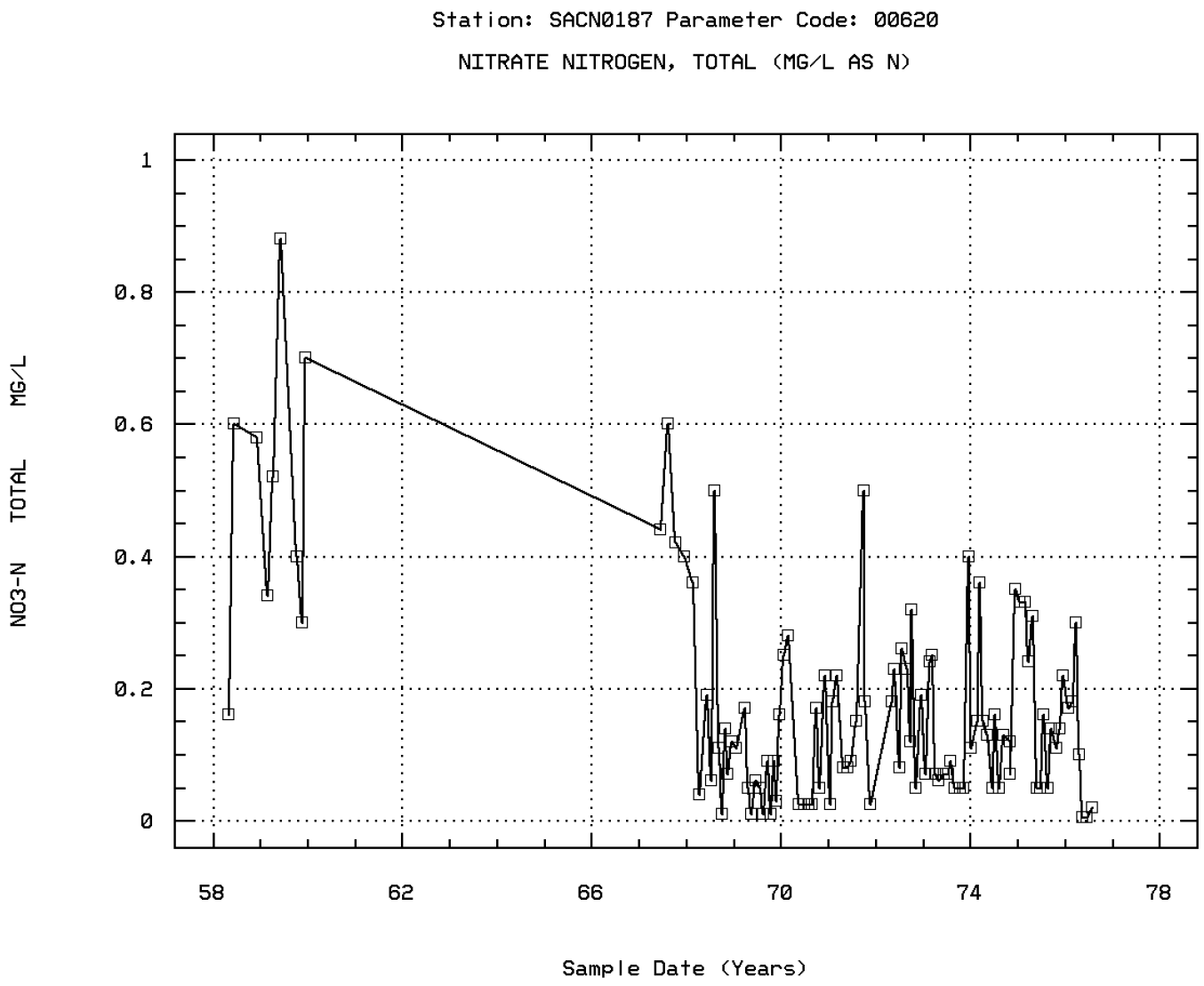
ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00610

NITROGEN, AMMONIA, TOTAL (MG/L AS N)



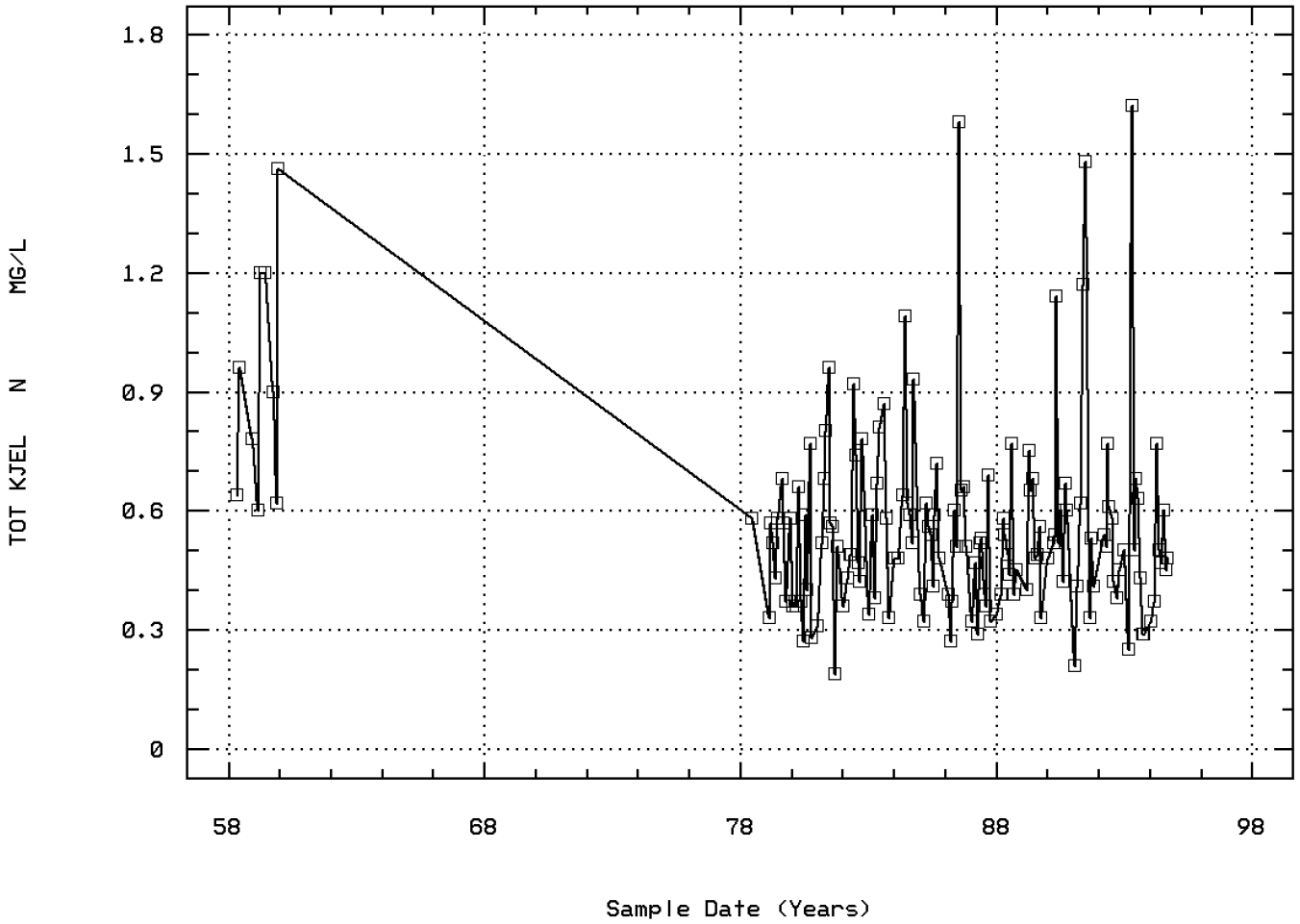
ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00625

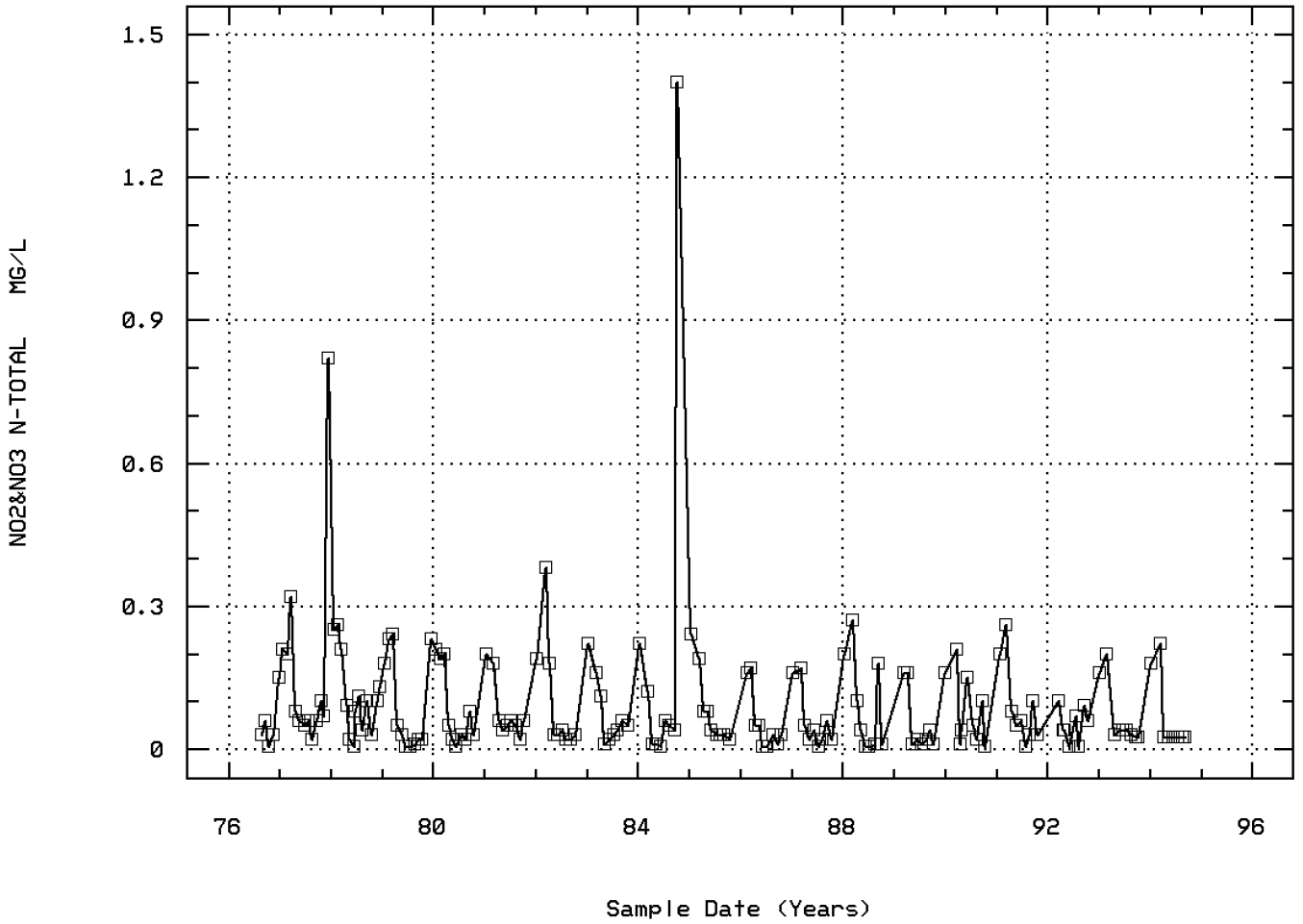
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



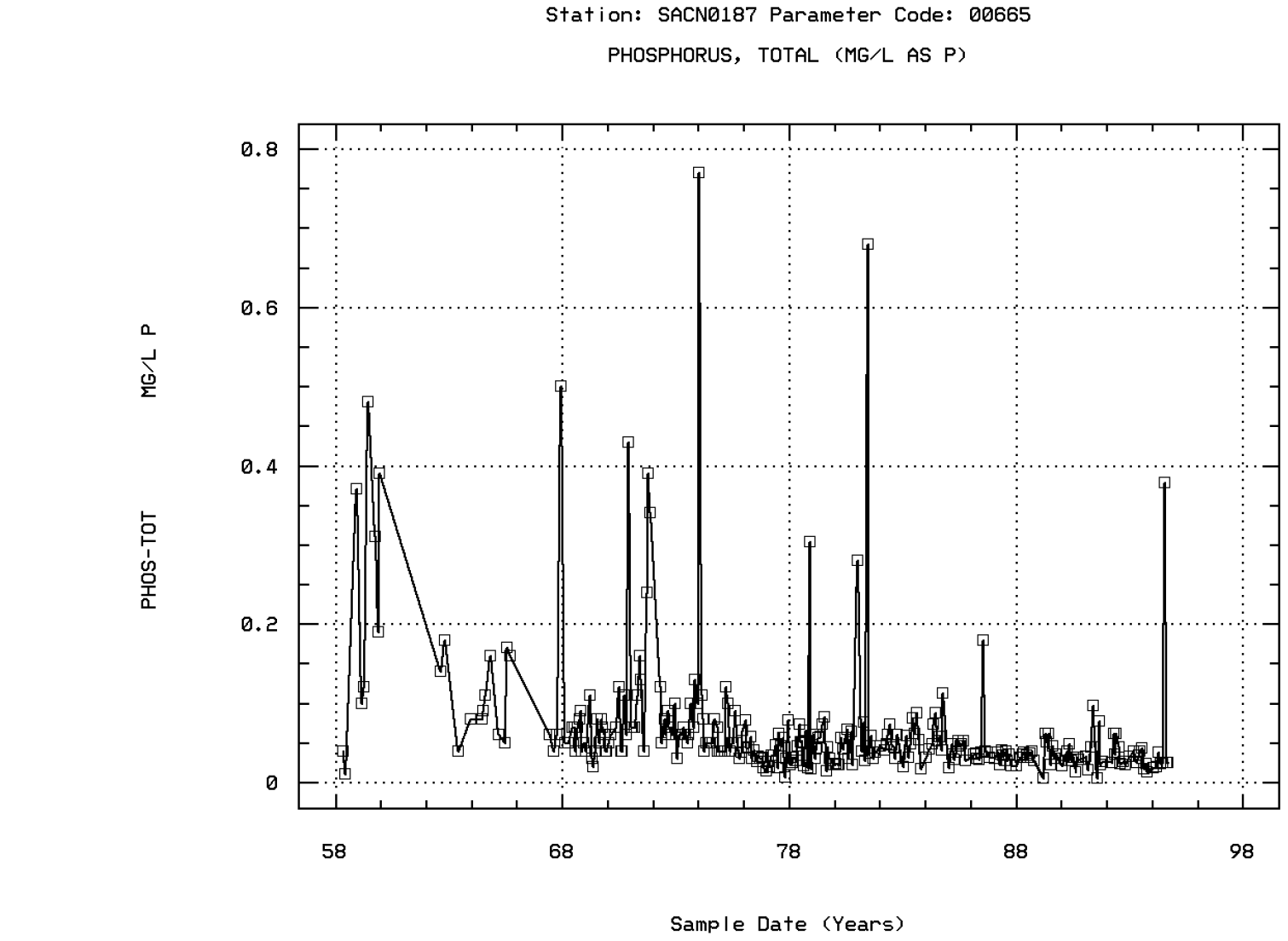
ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00630

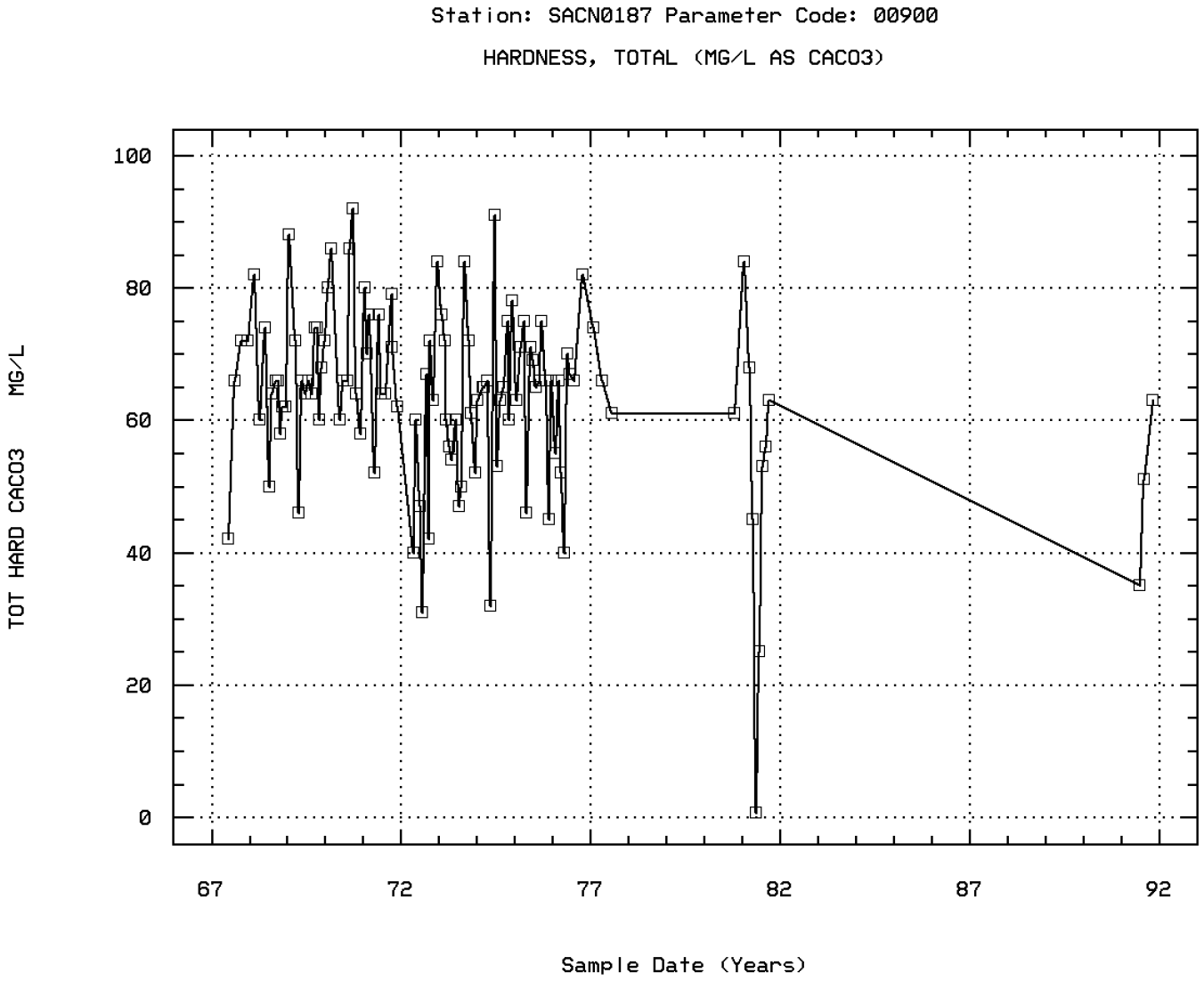
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA



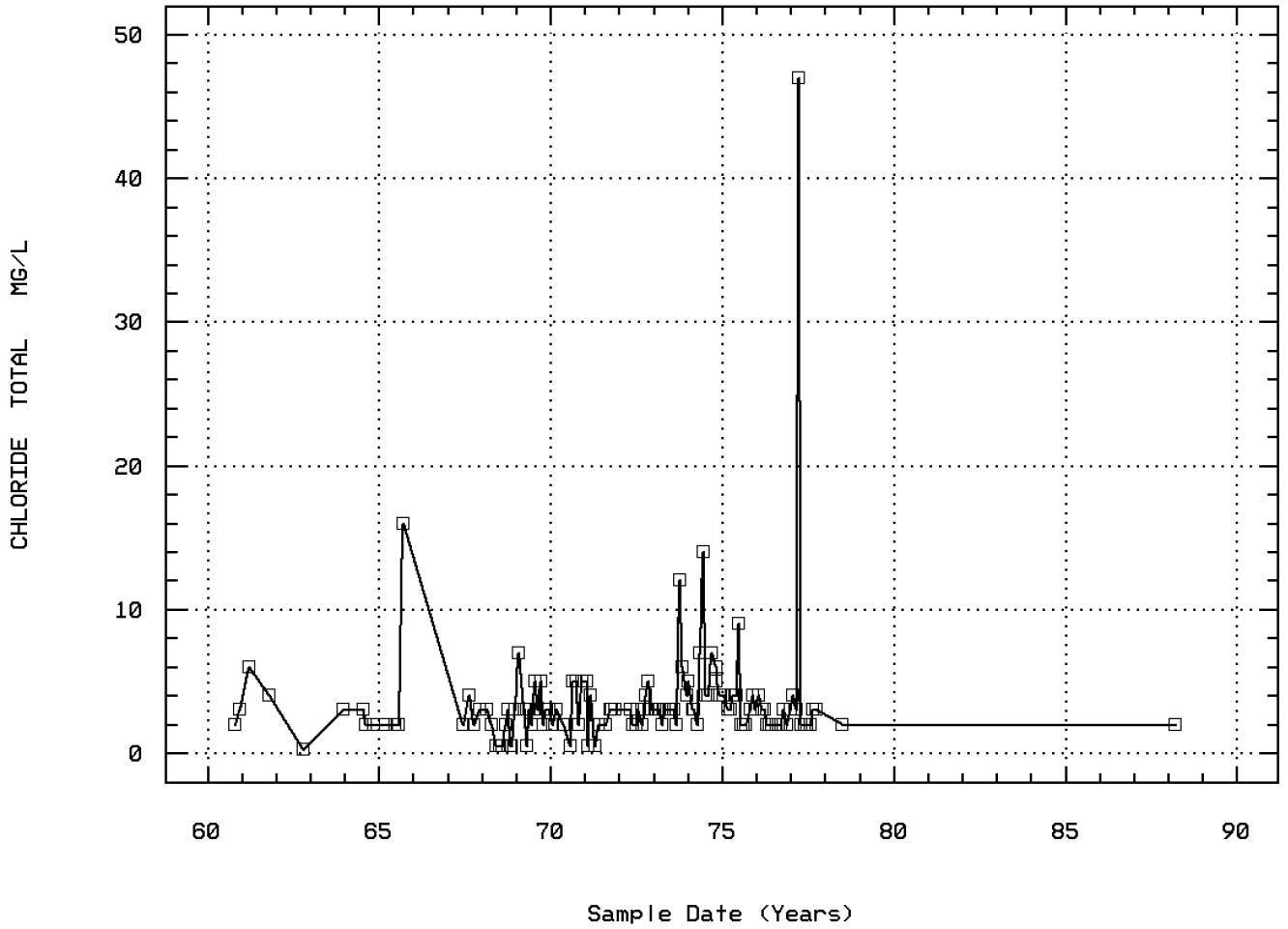
ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00940

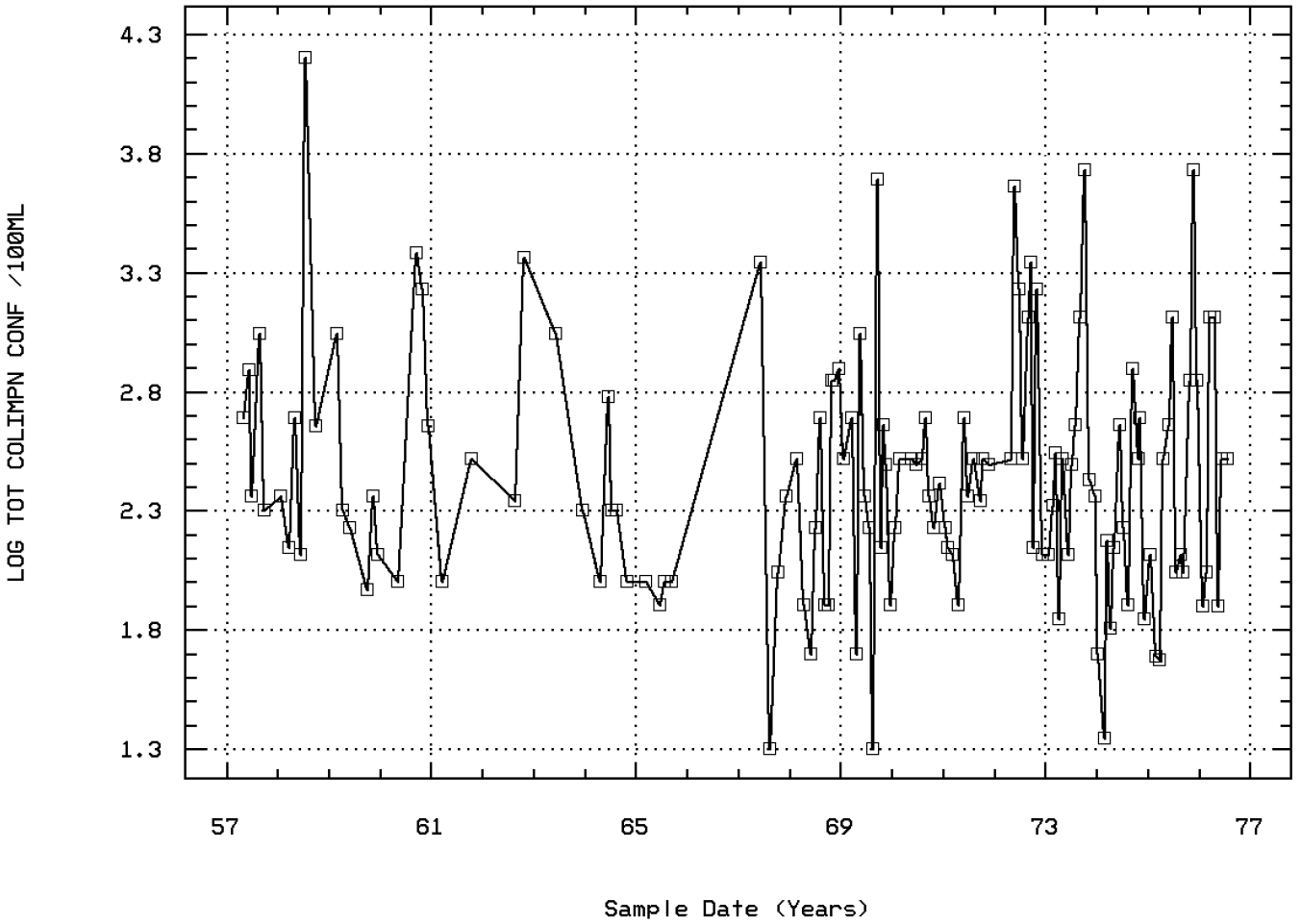
CHLORIDE,TOTAL IN WATER



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 31505

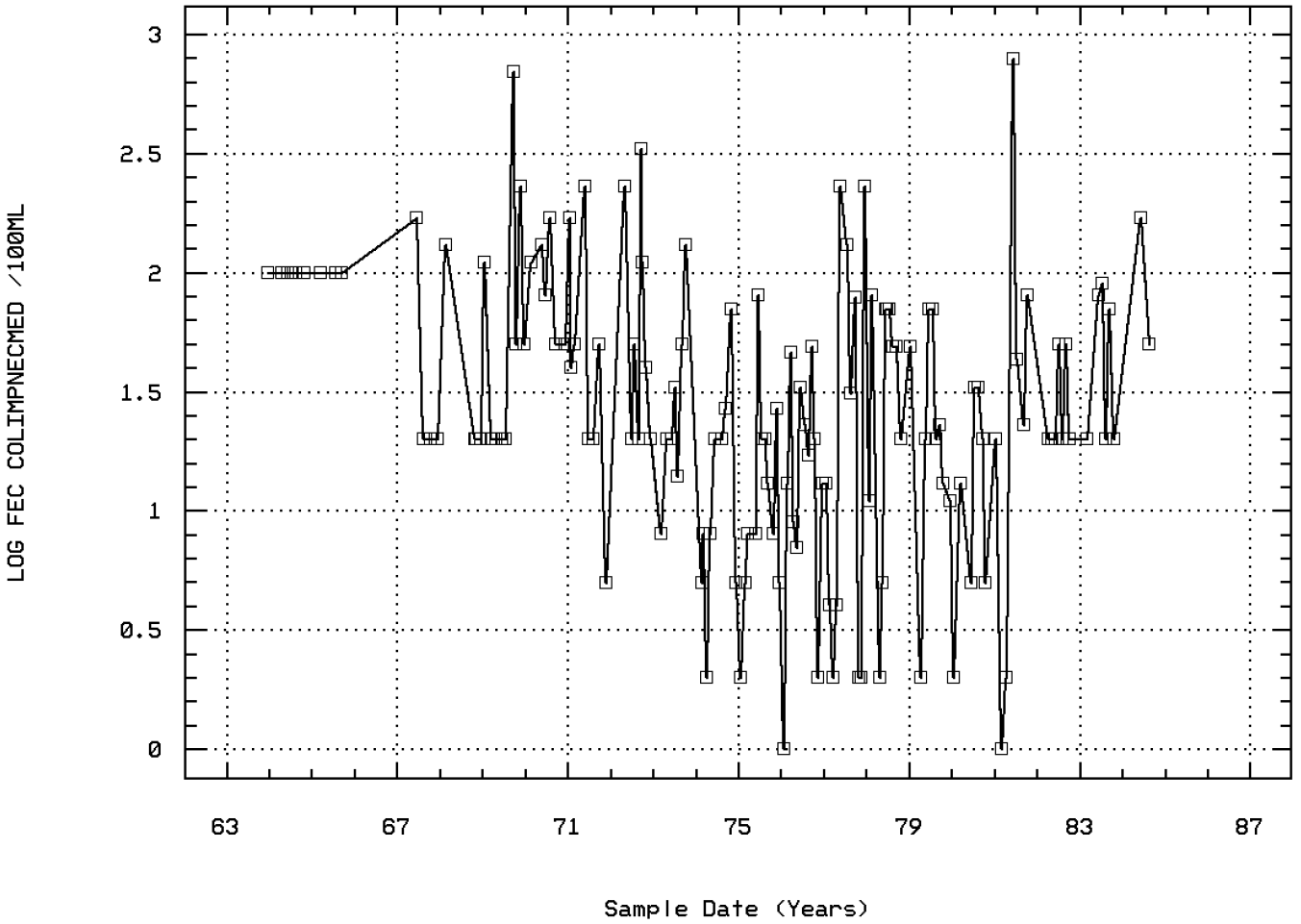
LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 31615

LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Annual Analysis for 1957 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	5	62.	63.6	72.	59.	25.3	5.03	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	5	7.8	7.84	9.	7.	0.603	0.777	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	5	3.5	3.44	5.	2.3	1.043	1.021	**	**	**	**
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	5	7.5	7.66	8.7	6.9	0.443	0.666	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	5	7.5	7.366	8.7	6.9	0.551	0.742	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	5	0.032	0.043	0.126	0.002	0.002	0.049	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	5	56.	57.6	94.	36.	482.8	21.973	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	5	120.	124.	160.	100.	480.	21.909	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	5	30.	33.2	54.	14.	287.7	16.962	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	5	490.	560.	1100.	200.	145850.	381.903	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	5	2.69	2.657	3.041	2.301	0.105	0.323	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			454.243								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1958 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	7	54.	49.	68.	32.	203.667	14.271	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	7	9.4	8.971	12.	5.8	3.782	1.945	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	7	2.5	2.614	4.3	1.	1.268	1.126	**	**	**	**
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	7	7.6	7.529	8.6	6.6	0.666	0.816	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	7	7.6	7.052	8.6	6.6	0.931	0.965	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	7	0.025	0.089	0.251	0.003	0.011	0.104	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	5	120.	112.	120.	100.	120.	10.954	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	3	0.58	0.447	0.6	0.16	0.062	0.248	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	3	0.78	0.793	0.96	0.64	0.026	0.16	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	3	0.04	0.14	0.37	0.01	0.04	0.2	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	6	340.	2906.667	16000.	130.	41167946.667	6416.225	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	6	2.507	2.695	4.204	2.114	0.606	0.778	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			495.322								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1959 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	5	33.	41.	65.	32.	196.5	14.018	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	6	9.15	9.133	12.	5.3	6.983	2.642	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	6	2.4	2.183	3.	0.8	0.766	0.875	**	**	**	**
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	6	7.4	7.45	8.3	6.8	0.367	0.606	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	6	7.304	7.175	8.3	6.8	0.458	0.677	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	6	0.05	0.067	0.158	0.005	0.004	0.065	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	6	137.5	147.5	210.	100.	1457.5	38.177	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	6	0.46	0.523	0.88	0.3	0.051	0.227	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	6	1.05	0.997	1.46	0.6	0.121	0.348	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	6	0.25	0.265	0.48	0.1	0.024	0.153	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	6	185.	320.5	1100.	93.	148205.5	384.975	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	6	2.266	2.336	3.041	1.968	0.139	0.373	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			216.856								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1960 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	4	49.5	48.25	62.	32.	160.25	12.659	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	4	9.3	9.425	11.	8.1	1.749	1.323	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	4	2.3	2.975	5.3	2.	2.423	1.556	**	**	**	**
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	4	7.55	7.5	7.6	7.3	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	4	7.547	7.482	7.6	7.3	0.02	0.143	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	4	0.028	0.033	0.05	0.025	0.	0.012	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	4	14.5	15.	26.	5.	75.333	8.679	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	3	2.	2.	3.	1.	1.	1.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	4	1075.	1162.5	2400.	100.	1152291.667	1073.448	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	4	2.942	2.816	3.38	2.	0.394	0.628	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			654.588								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1961 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	2	10.25	10.25	12.	8.5	6.125	2.475	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	2	3.55	3.55	5.3	1.8	6.125	2.475	**	**	**	**
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	2	8.15	8.15	8.5	7.8	0.245	0.495	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	2	8.022	8.022	8.5	7.8	0.278	0.527	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	2	0.01	0.01	0.016	0.003	0.	0.009	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	2	5.	5.	6.	4.	2.	1.414	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	2 ##	215.	215.	330.	100.	26450.	162.635	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	2 ##	2.259	2.259	2.519	2.	0.134	0.367	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			181.659								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1962 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	2	58.5	58.5	71.	46.	312.5	17.678	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	2	7.05	7.05	8.1	6.	2.205	1.485	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	2	2.75	2.75	3.2	2.3	0.405	0.636	**	**	**	**
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	2	7.8	7.8	8.4	7.2	0.72	0.849	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	2	7.474	7.474	8.4	7.2	0.932	0.965	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	2	0.034	0.034	0.063	0.004	0.002	0.042	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	2	0.16	0.16	0.18	0.14	0.001	0.028	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	2	1260.	1260.	2300.	220.	2163200.	1470.782	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	2	2.852	2.852	3.362	2.342	0.519	0.721	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			711.337								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1963 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	2	52.5	52.5	71.	34.	684.5	26.163	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	2	9.45	9.45	11.9	7.	12.005	3.465	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	2	3.	3.	3.5	2.5	0.5	0.707	**	**	**	**
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	2	7.85	7.85	7.9	7.8	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	2	7.847	7.847	7.9	7.8	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	2	0.014	0.014	0.016	0.013	0.	0.002	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	2	0.06	0.06	0.08	0.04	0.001	0.028	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	2	650.	650.	1100.	200.	405000.	636.396	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	2	2.671	2.671	3.041	2.301	0.274	0.524	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			469.042								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			100.								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1964 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	5	67.	60.6	72.	47.	127.3	11.283	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	5	8.2	8.54	10.1	7.5	1.193	1.092	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	4	1.9	1.775	2.3	1.	0.409	0.64	**	**	**	**
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	5	7.6	7.86	8.7	7.3	0.333	0.577	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	5	7.6	7.638	8.7	7.3	0.395	0.628	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	5	0.025	0.023	0.05	0.002	0.	0.02	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	4	8.	8.25	12.	5.	8.917	2.986	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	4	0.1	0.11	0.16	0.08	0.001	0.036	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	4	2.	2.	3.	1.	0.667	0.816	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	5	200.	240.	600.	100.	43000.	207.364	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	5	2.301	2.276	2.778	2.	0.101	0.318	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			188.818								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	5 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	5 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			100.								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	4 ##	0.05	0.09	0.21	0.05	0.006	0.08	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1965 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	4	62.5	57.75	72.	34.	278.917	16.701	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	4	7.85	8.35	10.7	7.	2.63	1.622	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	4	2.55	2.775	4.	2.	0.776	0.881	**	**	**	**
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	4	7.3	7.375	7.8	7.1	0.089	0.299	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	4	7.3	7.311	7.8	7.1	0.095	0.308	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	4	0.05	0.049	0.079	0.016	0.001	0.026	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	4	7.5	7.5	12.	3.	13.667	3.697	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	4	0.11	0.11	0.17	0.05	0.004	0.064	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1965 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	4	2.	5.5	16.	2.	49.	7.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	4 ##	100.	95.	100.	80.	100.	10.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	4 ##	2.	1.976	2.	1.903	0.002	0.048	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			94.574								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	4 ##	100.	77.5	100.	10.	2025.	45.	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	4 ##	2.	1.75	2.	1.	0.25	0.5	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			56.234								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	4 ##	0.05	0.073	0.14	0.05	0.002	0.045	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1967 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	4	49.5	51.5	73.	34.	279.	16.703	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	4	140.	135.	150.	110.	300.	17.321	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	4	8.65	9.3	12.6	7.3	5.327	2.308	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	4	2.9	2.7	4.5	0.5	3.527	1.878	**	**	**	**
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	4	7.55	7.625	8.4	7.	0.336	0.58	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	4	7.547	7.396	8.4	7.	0.406	0.637	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	4	0.028	0.04	0.1	0.004	0.002	0.042	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	4	63.	61.	82.	36.	358.667	18.938	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	4	105.	107.5	120.	100.	91.667	9.574	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	4	6.	5.75	9.	2.	8.25	2.872	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	4	0.42	0.483	0.94	0.15	0.115	0.339	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	3 ##	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	4	0.43	0.465	0.6	0.4	0.008	0.091	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	4	0.06	0.165	0.5	0.04	0.05	0.224	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	4	69.	63.	72.	42.	204.	14.283	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	4	2.5	2.75	4.	2.	0.917	0.957	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	4	170.	640.	2200.	20.	1089000.	1043.552	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	4	2.202	2.262	3.342	1.301	0.716	0.846	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			182.66								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	4	20.	57.5	170.	20.	5625.	75.	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	4	1.301	1.533	2.23	1.301	0.216	0.465	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			34.15								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	10	52.	51.9	76.	32.	283.878	16.849	32.	34.25	70.	75.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	10	130.	133.	170.	100.	423.333	20.575	102.	120.	145.	169.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	10	8.8	9.22	12.5	6.7	4.017	2.004	6.77	7.55	11.05	12.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	10	2.75	4.06	19.	0.8	28.716	5.359	0.82	1.375	3.625	17.5
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	10	7.2	7.18	7.6	6.8	0.064	0.253	6.8	6.95	7.325	7.58
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	10	7.2	7.113	7.6	6.8	0.069	0.263	6.8	6.95	7.325	7.58
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	10	0.063	0.077	0.158	0.025	0.002	0.047	0.027	0.048	0.115	0.158
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	10	52.	57.8	88.	44.	208.4	14.436	44.2	47.5	68.5	86.8
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	10	115.	120.3	160.	93.	514.233	22.677	93.7	100.	142.5	159.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	10	6.	6.7	13.	3.	7.567	2.751	3.2	5.	8.25	12.6
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	10	0.52	0.631	1.2	0.15	0.114	0.337	0.169	0.355	0.952	1.176

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	10 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	10 ##	0.01	0.02	0.05	0.01	0.	0.015	0.01	0.01	0.033	0.049
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	10	0.115	0.16	0.5	0.01	0.024	0.155	0.013	0.055	0.233	0.486
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	10	0.06	0.061	0.09	0.04	0.	0.017	0.04	0.048	0.073	0.089
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	10	63.	64.4	82.	50.	76.267	8.733	50.8	59.5	68.	81.2
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	10 ##	1.25	1.55	3.	0.5	1.358	1.165	0.5	0.5	3.	3.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	2	555.	555.	660.	450.	22050.	148.492	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	2	30.	30.	40.	20.	200.	14.142	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	2	20.	20.	20.	20.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	10	250.	347.	790.	50.	88845.556	298.07	53.	80.	700.	781.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	10	2.374	2.344	2.898	1.699	0.219	0.468	1.719	1.903	2.845	2.892
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			220.558								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	10 ##	10.	25.	130.	10.	1383.333	37.193	10.	10.	20.	119.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	10 ##	1.	1.202	2.114	1.	0.123	0.351	1.	1.	1.301	2.033
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.911								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	10 ##	0.05	0.103	0.34	0.05	0.01	0.098	0.05	0.05	0.16	0.325

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	12	48.	50.583	74.	32.	283.356	16.833	32.	32.	68.25	73.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	12	2.95	3.042	4.2	2.4	0.268	0.518	2.46	2.7	3.2	4.08
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	12	140.	133.667	150.	94.	284.97	16.881	98.8	130.	147.5	150.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	12	9.95	10.025	13.5	7.6	3.451	1.858	7.72	8.4	11.725	13.08
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	12	2.05	2.033	3.5	0.1	1.101	1.049	0.22	1.225	2.875	3.35
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	12	7.4	7.533	8.	7.3	0.07	0.264	7.3	7.3	7.8	7.97
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	12	7.4	7.471	8.	7.3	0.074	0.272	7.3	7.3	7.8	7.97
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	12	0.04	0.034	0.05	0.01	0.	0.016	0.011	0.016	0.05	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	12	62.	60.167	74.	42.	86.152	9.282	43.2	55.5	65.	73.4
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	12	98.5	97.5	120.	64.	260.636	16.144	68.2	85.75	110.	117.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	12	4.5	5.	10.	2.	7.818	2.796	2.	2.25	7.	9.7
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	12	0.44	0.475	1.2	0.15	0.091	0.302	0.15	0.198	0.585	1.077
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	12 ##	0.01	0.015	0.06	0.01	0.	0.014	0.01	0.01	0.01	0.048
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	12	0.055	0.07	0.17	0.01	0.003	0.055	0.01	0.015	0.105	0.167
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	12	0.045	0.055	0.11	0.02	0.001	0.026	0.023	0.04	0.078	0.101
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	12	67.	67.833	88.	46.	99.242	9.962	50.2	64.	73.5	83.8
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	12	3.	3.292	7.	0.5	2.839	1.685	0.95	2.25	4.5	6.4
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	12 ##	5.	6.25	20.	5.	18.75	4.33	5.	5.	5.	15.5
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	11	210.	301.818	640.	80.	32536.364	180.378	94.	180.	470.	618.
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	11 ##	5.	5.909	10.	5.	4.091	2.023	5.	5.	5.	10.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	12	35.	37.5	70.	10.	402.273	20.057	13.	20.	57.5	67.
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	12 ##	5.	7.5	20.	5.	34.091	5.839	5.	5.	5.	20.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	12	270.	690.	4900.	20.	1843109.091	1357.612	29.	95.	482.5	3760.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	12	2.427	2.395	3.69	1.301	0.39	0.625	1.42	1.964	2.683	3.496
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			248.114								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	12	20.	104.167	700.	10.	39244.697	198.103	10.	12.5	95.	559.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	12	1.301	1.571	2.845	1.	0.343	0.586	1.	1.075	1.956	2.7
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			37.227								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	12	0.15	0.186	0.44	0.05	0.021	0.145	0.05	0.05	0.315	0.422

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	9	56.	52.444	76.	32.	290.778	17.052	32.	32.5	68.	76.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	9	2.5	2.467	3.3	1.5	0.365	0.604	1.5	2.	3.05	3.3
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	130.	130.111	180.	84.	1050.611	32.413	84.	98.5	155.	180.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	8.	8.678	12.4	6.7	2.682	1.638	6.7	7.75	9.4	12.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	9	2.	1.911	2.4	1.3	0.161	0.401	1.3	1.5	2.25	2.4
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	9	7.4	7.522	8.4	7.1	0.187	0.432	7.1	7.2	7.85	8.4
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	9	7.4	7.387	8.4	7.1	0.208	0.456	7.1	7.2	7.85	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	9	0.04	0.041	0.079	0.004	0.001	0.026	0.004	0.015	0.063	0.079
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	9	62.	64.111	88.	52.	148.861	12.201	52.	54.5	73.5	88.
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	9	100.	100.	120.	80.	117.75	10.851	80.	95.5	105.	120.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	5.	5.333	10.	2.	7.75	2.784	2.	3.	8.	10.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.51	0.528	0.85	0.15	0.037	0.192	0.15	0.465	0.645	0.85
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9 ##	0.1	0.117	0.25	0.1	0.003	0.05	0.1	0.1	0.1	0.25
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	9	0.02	0.023	0.04	0.01	0.	0.014	0.01	0.01	0.04	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	9 ##	0.05	0.119	0.28	0.025	0.012	0.11	0.025	0.025	0.235	0.28
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.06	0.109	0.43	0.04	0.015	0.124	0.04	0.045	0.115	0.43
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	9	66.	73.111	92.	58.	165.111	12.85	58.	62.	86.	92.
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	9	2.	2.833	5.	0.5	3.125	1.768	0.5	1.5	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	9 ##	5.	7.778	30.	5.	69.444	8.333	5.	5.	5.	30.
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	9 ##	5.	11.667	60.	5.	331.25	18.2	5.	5.	7.5	60.
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	9	150.	153.444	330.	33.	11525.778	107.358	33.	54.	245.	330.
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	9	61.	124.778	500.	10.	25630.694	160.096	10.	35.	181.5	500.
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	9 ##	5.	5.556	10.	5.	2.778	1.667	5.	5.	5.	10.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	9 ##	5.	15.222	85.	5.	691.694	26.3	5.	5.	11.	85.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	9	310.	291.111	490.	170.	9811.111	99.051	170.	200.	330.	490.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	9	2.491	2.442	2.69	2.23	0.022	0.149	2.23	2.296	2.519	2.69
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			276.461								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	9	50.	68.889	170.	10.	3361.111	57.975	10.	10.	120.	170.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	9	1.699	1.632	2.23	1.	0.255	0.505	1.	1.	2.078	2.23
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			42.842								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	9 ##	0.05	0.162	0.45	0.05	0.025	0.158	0.05	0.05	0.32	0.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	10	52.5	48.1	63.	32.	182.989	13.527	32.	32.	61.25	62.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	10	2.75	2.97	4.8	1.5	0.833	0.913	1.58	2.45	3.7	4.69
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	10	140.	149.	210.	120.	632.222	25.144	121.	137.5	155.	206.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	10	8.7	9.21	12.6	7.9	1.859	1.363	7.93	8.425	9.725	12.35
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	10	2.75	2.455	4.3	0.25	1.374	1.172	0.335	1.625	3.2	4.19
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	10	7.7	7.68	8.3	7.1	0.24	0.489	7.1	7.175	8.225	8.3
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	10	7.689	7.466	8.3	7.1	0.29	0.539	7.1	7.175	8.225	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	10	0.02	0.034	0.079	0.005	0.001	0.031	0.005	0.006	0.067	0.079
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	10	61.	58.9	76.	40.	153.878	12.405	40.6	47.5	71.25	75.6
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	7	110.	103.143	130.	76.	422.81	20.562	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	10	6.	7.7	18.	4.	21.567	4.644	4.	4.	10.5	17.4
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	7	0.69	0.717	0.93	0.39	0.038	0.194	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	10 ##	0.1	0.162	0.46	0.1	0.014	0.119	0.1	0.1	0.215	0.44
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	7	0.02	0.019	0.03	0.01	0.	0.009	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	10	0.12	0.153	0.5	0.025	0.019	0.139	0.025	0.066	0.19	0.472
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	10	0.12	0.162	0.39	0.04	0.015	0.122	0.043	0.07	0.265	0.385
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	10	70.5	69.4	80.	52.	78.933	8.884	53.	63.5	76.75	79.9
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	10	2.5	2.4	5.	0.5	2.211	1.487	0.5	0.875	3.25	4.9
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	10 ##	5.	5.6	11.	5.	3.6	1.897	5.	5.	5.	10.4
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	8	485.	556.25	970.	340.	51798.214	227.592	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	4 ##	5.	7.	13.	5.	16.	4.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	8	102.5	120.625	200.	51.	3103.411	55.708	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	10	20.	50.6	280.	5.	7130.044	84.44	5.	9.5	50.5	261.1
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	10	225.	243.	490.	80.	15178.889	123.203	85.	137.5	330.	474.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	10	2.352	2.332	2.69	1.903	0.056	0.236	1.924	2.138	2.519	2.673
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			214.602								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	10	30.	60.5	230.	5.	5869.167	76.61	5.5	10.	80.	224.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	10	1.452	1.489	2.362	0.699	0.287	0.536	0.729	1.	1.832	2.349
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			30.855								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	10 ##	0.2	0.274	0.64	0.05	0.063	0.251	0.05	0.05	0.5	0.638

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	9	58.	58.111	75.	32.	240.111	15.496	32.	44.	72.	75.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	9	2.1	2.	2.2	1.6	0.05	0.224	1.6	1.8	2.2	2.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	110.	111.222	140.	71.	325.944	18.054	71.	110.	120.	140.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	8.1	8.467	11.6	7.	2.013	1.419	7.	7.45	9.2	11.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	9	1.5	1.433	2.2	0.6	0.318	0.563	0.6	0.95	1.95	2.2
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	9	7.7	7.589	8.	7.1	0.104	0.322	7.1	7.3	7.9	8.
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	9	7.7	7.485	8.	7.1	0.116	0.34	7.1	7.3	7.9	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	9	0.02	0.033	0.079	0.01	0.001	0.024	0.01	0.013	0.05	0.079
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	9	64.	62.	70.	48.	43.	6.557	48.	59.	67.	70.
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	4.	4.667	10.	1.	6.5	2.55	1.	3.	6.	10.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	1	0.48	0.48	0.48	0.48	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	9	0.19	0.184	0.32	0.05	0.008	0.088	0.05	0.1	0.245	0.32
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.07	0.078	0.12	0.05	0.	0.022	0.05	0.06	0.095	0.12
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	9	60.	56.222	84.	31.	297.944	17.261	31.	41.	69.5	84.
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	9	3.	3.	5.	2.	1.	1.	2.	2.	3.5	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	8 ##	5.	8.75	23.	5.	50.786	7.126	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	9 ##	5.	8.222	18.	5.	25.444	5.044	5.	5.	13.	18.
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	9	460.	478.889	760.	260.	22711.111	150.702	260.	370.	585.	760.
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	9	55.	61.556	110.	5.	1435.278	37.885	5.	28.	100.	110.
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	9	27.	75.667	300.	5.	10960.75	104.694	5.	5.	135.5	300.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	9	1300.	1381.111	4600.	130.	2069636.111	1438.623	130.	235.	1950.	4600.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	9	3.114	2.875	3.663	2.114	0.314	0.561	2.114	2.332	3.286	3.663
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			750.301								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	9	40.	92.222	330.	10.	12844.444	113.333	10.	20.	170.	330.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	9	1.602	1.681	2.519	1.	0.275	0.524	1.	1.301	2.202	2.519
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			47.934								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	9 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	12	45.	50.167	73.	32.	284.879	16.878	32.	34.25	68.5	72.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	12	2.25	2.458	4.5	1.2	1.028	1.014	1.26	1.625	3.25	4.29
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	12	125.	130.833	200.	100.	753.788	27.455	103.	110.	140.	188.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	12	9.45	9.725	12.2	7.3	3.513	1.874	7.3	8.15	11.625	12.14
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	12	2.3	2.1	3.2	0.8	0.747	0.864	0.86	1.25	2.95	3.17
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	12	7.4	7.475	7.9	7.1	0.051	0.226	7.16	7.325	7.65	7.87
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	12	7.4	7.425	7.9	7.1	0.054	0.232	7.16	7.325	7.65	7.87
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	12	0.04	0.038	0.079	0.013	0.	0.018	0.014	0.023	0.048	0.071
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	12	64.	64.	84.	48.	106.909	10.34	49.2	56.5	72.5	81.6
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	4	105.	107.	120.	98.	102.667	10.132	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	12	6.	6.25	12.	1.	12.568	3.545	1.3	3.25	8.	12.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	5	0.69	0.744	0.99	0.51	0.034	0.185	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	12 ##	0.1	0.129	0.34	0.1	0.005	0.074	0.1	0.1	0.1	0.301
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	5 ##	0.01	0.01	0.02	0.005	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	12	0.07	0.123	0.4	0.05	0.013	0.112	0.05	0.053	0.203	0.355
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	12	0.06	0.071	0.13	0.03	0.001	0.027	0.036	0.06	0.093	0.121
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	12	60.	62.	84.	47.	132.545	11.513	47.9	52.5	72.	81.6
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	12	3.	3.917	12.	2.	7.538	2.746	2.	3.	3.75	10.2
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	12	390.	461.667	1000.	190.	57451.515	239.69	196.	257.5	607.5	901.
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	12 ##	5.	5.583	12.	5.	4.083	2.021	5.	5.	5.	9.9
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	12	80.5	116.	480.	5.	15936.545	126.24	5.	54.5	147.5	390.
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	12	14.	23.25	110.	5.	876.205	29.601	5.	6.25	21.5	91.1
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	12	290.	765.833	5400.	70.	2232699.242	1494.222	88.	150.	432.5	4170.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	12	2.461	2.521	3.732	1.845	0.246	0.496	1.926	2.166	2.633	3.547
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			331.852								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	12	12.	27.083	130.	8.	1204.265	34.703	8.6	10.	29.75	106.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	12	1.073	1.249	2.114	0.903	0.134	0.365	0.932	1.	1.464	1.989
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.724								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	12 ##	0.125	0.196	0.57	0.05	0.031	0.175	0.05	0.05	0.348	0.504

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	12	42.5	45.5	75.	32.	211.	14.526	32.	32.25	55.25	72.3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	12	2.4	2.608	4.	1.1	0.784	0.886	1.34	2.025	3.425	4.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	12	120.	115.5	150.	63.	665.	25.788	66.	110.	137.5	147.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	12	10.5	10.708	14.1	7.4	5.464	2.338	7.52	8.525	13.175	13.92
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	12	1.3	1.738	6.5	0.25	2.569	1.603	0.445	0.925	1.975	5.24
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	12	7.65	7.575	8.6	6.9	0.209	0.458	6.96	7.225	7.775	8.42
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	12	7.647	7.396	8.6	6.9	0.244	0.494	6.96	7.225	7.775	8.42
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	12	0.023	0.04	0.126	0.003	0.001	0.036	0.005	0.017	0.06	0.112

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	12	59.5	58.25	77.	22.	196.75	14.027	29.5	55.25	68.5	75.2
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	12	99.5	205.75	1400.	76.	141567.841	376.255	79.3	90.25	107.5	1016.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	12	5.5	6.583	23.	1.	36.992	6.082	1.3	2.	8.	19.7
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	12	0.54	0.61	1.	0.15	0.087	0.294	0.15	0.448	0.9	1.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	12 ##	0.1	0.113	0.26	0.1	0.002	0.046	0.1	0.1	0.1	0.212
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	12	0.01	0.011	0.03	0.005	0.	0.008	0.005	0.005	0.018	0.027
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	12	0.13	0.153	0.36	0.05	0.01	0.102	0.05	0.08	0.158	0.357
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	12	0.05	0.119	0.77	0.04	0.042	0.206	0.04	0.043	0.08	0.572
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	12	65.	64.667	91.	32.	200.97	14.176	38.3	60.75	72.75	87.1
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	12	4.5	5.333	14.	2.	9.879	3.143	2.3	3.25	6.75	11.9
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	12	585.	587.083	1200.	5.	123074.811	350.82	75.5	295.	870.	1113.
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	12	55.	73.583	150.	29.	1877.902	43.335	30.8	38.25	120.25	147.
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	12 ##	5.	8.583	26.	5.	48.083	6.934	5.	5.	13.25	23.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	12 ##	5.	14.417	54.	5.	229.538	15.151	5.	5.	18.	47.4
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	12	145.	234.667	790.	22.	55750.788	236.116	30.4	65.5	427.5	700.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	12	2.161	2.16	2.898	1.342	0.217	0.465	1.449	1.816	2.627	2.835
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			144.475								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	12	10.	16.25	70.	2.	340.205	18.445	2.9	5.75	20.	57.1
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	12	1.	1.032	1.845	0.301	0.16	0.4	0.42	0.75	1.301	1.721
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.764								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	12 ##	0.05	0.058	0.14	0.05	0.001	0.026	0.05	0.05	0.05	0.113

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	12	43.5	48.917	74.	32.	311.902	17.661	32.	32.	66.5	73.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	12	3.15	3.225	6.5	1.7	1.64	1.281	1.79	2.225	3.725	5.81
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	12	115.	115.667	150.	77.	494.97	22.248	78.2	102.5	130.	147.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	12	10.45	9.933	13.7	6.9	5.342	2.311	6.96	7.725	11.625	13.49
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	12	1.65	1.692	3.1	0.4	0.688	0.83	0.55	1.05	2.35	3.07
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	12	7.6	7.567	7.7	7.3	0.013	0.115	7.36	7.5	7.675	7.7
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	12	7.6	7.552	7.7	7.3	0.014	0.117	7.36	7.5	7.675	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	12	0.025	0.028	0.05	0.02	0.	0.008	0.02	0.021	0.032	0.045
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	12	62.	59.25	74.	36.	158.75	12.6	36.6	51.5	68.75	74.
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	12	99.5	102.	190.	69.	852.	29.189	74.1	90.5	100.	163.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	12	3.5	3.275	6.	0.25	4.369	2.09	0.25	1.1	5.	6.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	12	0.465	0.446	0.69	0.15	0.034	0.183	0.15	0.33	0.603	0.666
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	12 ##	0.1	0.162	0.74	0.1	0.034	0.184	0.1	0.1	0.1	0.578
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	12	0.02	0.025	0.07	0.005	0.	0.017	0.005	0.02	0.03	0.061
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	12	0.15	0.178	0.33	0.05	0.011	0.107	0.05	0.065	0.293	0.33
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	12	0.05	0.06	0.12	0.03	0.001	0.029	0.032	0.04	0.084	0.114
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	12	66.	64.833	75.	45.	95.97	9.796	45.3	63.5	71.	75.
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	12	3.	3.583	9.	2.	3.538	1.881	2.	2.25	4.	7.5
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	12	545.	500.	810.	160.	50400.	224.499	163.	267.5	645.	807.
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	12 ##	5.	5.917	16.	5.	10.083	3.175	5.	5.	5.	12.7
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	12	61.	64.833	130.	36.	709.061	26.628	37.8	43.25	79.	116.5
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	12 ##	7.5	40.167	350.	5.	9619.97	98.081	5.	5.	19.75	256.4
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	12	230.	788.833	5400.	47.	2249637.606	1499.879	47.6	110.	700.	4170.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	12	2.316	2.449	3.732	1.672	0.381	0.617	1.678	2.041	2.845	3.547

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			281.34								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	12	9.	17.167	80.	2.	446.152	21.122	2.9	5.75	20.	64.1
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	12	0.952	1.038	1.903	0.301	0.171	0.413	0.42	0.75	1.301	1.762
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.92								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	12	7.75	9.542	23.5	0.	86.703	9.311	0.	1.	19.125	23.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	12	3.9	3.683	7.6	1.4	3.218	1.794	1.43	2.2	4.375	7.06
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	12	140.	136.667	180.	70.	969.697	31.14	79.	120.	160.	177.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	12	9.55	9.425	13.8	6.2	4.691	2.166	6.38	7.4	10.75	13.14
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	12	1.45	1.463	3.1	0.25	0.542	0.736	0.415	1.	1.775	2.83
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	12	7.7	7.725	7.9	7.5	0.018	0.136	7.53	7.6	7.875	7.9
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	12	7.7	7.706	7.9	7.5	0.019	0.137	7.53	7.6	7.875	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	12	0.02	0.02	0.032	0.013	0.	0.006	0.013	0.013	0.025	0.03
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	8	59.	59.125	82.	35.	237.268	15.404	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	12	96.5	94.75	130.	64.	306.205	17.499	67.9	84.	107.5	124.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	12	4.	4.354	9.	0.25	8.232	2.869	0.475	2.25	6.75	9.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	11	0.43	0.339	0.59	0.15	0.026	0.16	0.15	0.15	0.45	0.562
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	11 ##	0.1	0.153	0.48	0.1	0.013	0.116	0.1	0.1	0.2	0.424
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	7 ##	0.005	0.014	0.04	0.005	0.	0.015	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	7	0.1	0.111	0.3	0.005	0.012	0.112	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	5	0.03	0.055	0.15	0.005	0.003	0.057	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	12	0.032	0.037	0.079	0.014	0.	0.018	0.016	0.027	0.044	0.073
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	8	66.	62.25	82.	40.	164.786	12.837	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	12	2.	2.5	4.	2.	0.455	0.674	2.	2.	3.	3.7
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	8	470.	522.5	950.	160.	125650.	354.471	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	8	67.	80.875	150.	16.	2289.268	47.846	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	9	10.	11.889	39.	5.	116.861	10.81	5.	5.	13.5	39.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	7	330.	504.	1300.	79.	307378.333	554.417	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	7	2.519	2.443	3.114	1.898	0.278	0.527	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			277.383								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	12	15.	19.417	49.	1.	252.083	15.877	1.3	7.5	30.5	48.1
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	12	1.172	1.091	1.69	0.	0.264	0.513	0.09	0.872	1.479	1.682
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			12.333								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	12	9.	9.875	25.	0.	91.278	9.554	0.	0.125	18.5	24.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	9	3.4	4.478	15.	1.6	16.382	4.047	1.6	2.5	4.2	15.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	12	140.	136.417	170.	92.	606.811	24.634	92.9	122.5	150.	170.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	12	8.75	9.092	12.2	6.2	4.63	2.152	6.38	7.25	11.45	12.08
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	12	1.05	1.179	3.3	0.25	0.88	0.938	0.25	0.313	1.725	3.03
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	6	7.55	7.417	7.7	7.	0.11	0.331	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	6	7.547	7.306	7.7	7.	0.124	0.353	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	6	0.028	0.049	0.1	0.02	0.002	0.039	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	6	7.1	7.083	7.4	6.8	0.066	0.256	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	6	7.089	7.022	7.4	6.8	0.07	0.265	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	6	0.082	0.095	0.158	0.04	0.003	0.053	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	3	59.	64.667	77.	58.	114.333	10.693	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	9	100.	99.444	110.	90.	51.778	7.196	90.	92.5	105.	110.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	12	3.	3.583	8.	1.	4.447	2.109	1.3	2.	5.5	7.4
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	12	0.485	0.491	0.84	0.15	0.042	0.204	0.15	0.39	0.623	0.804
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	12	0.075	0.171	0.82	0.02	0.049	0.222	0.029	0.06	0.208	0.67
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	12	0.034	0.038	0.079	0.007	0.	0.02	0.01	0.022	0.054	0.074
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	3	66.	67.	74.	61.	43.	6.557	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	9	3.	7.556	47.	2.	219.278	14.808	2.	2.	3.5	47.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	3 ##	5.	11.667	25.	5.	133.333	11.547	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	3	310.	300.	340.	250.	2100.	45.826	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	3 ##	5.	23.333	60.	5.	1008.333	31.754	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	3	58.	54.333	80.	25.	766.333	27.683	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	3 ##	5.	11.667	25.	5.	133.333	11.547	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	11	13.	66.091	230.	2.	8206.691	90.591	2.	2.	130.	230.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	11	1.114	1.223	2.362	0.301	0.725	0.851	0.301	0.301	2.114	2.362
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.692								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	13	8.	10.231	26.	0.	99.526	9.976	0.	0.	19.5	25.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	13	140.	130.538	150.	97.	307.103	17.524	102.2	115.	145.	150.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	13	9.	8.877	11.1	6.5	2.419	1.555	6.66	7.2	10.2	10.98
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	13	1.4	1.377	2.	0.5	0.34	0.583	0.54	0.8	2.	2.
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	13	7.5	7.446	8.	7.1	0.058	0.24	7.14	7.25	7.55	7.88
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	13	7.5	7.392	8.	7.1	0.061	0.247	7.14	7.25	7.55	7.88
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	13	0.032	0.041	0.079	0.01	0.	0.02	0.014	0.028	0.057	0.073
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	13	4.	12.154	67.	2.	396.308	19.907	2.	2.5	8.	57.8
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	13	0.41	0.425	0.65	0.15	0.017	0.129	0.198	0.385	0.51	0.626
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	13 ##	0.1	0.09	0.12	0.04	0.001	0.028	0.042	0.073	0.1	0.12
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	1	0.58	0.58	0.58	0.58	0.	0.	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	13	0.1	0.11	0.26	0.005	0.007	0.084	0.011	0.035	0.17	0.256
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	13	0.032	0.058	0.304	0.017	0.006	0.076	0.018	0.022	0.059	0.212
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	13	20.	35.077	80.	2.	896.41	29.94	3.2	10.	70.	76.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	13	1.301	1.32	1.903	0.301	0.271	0.52	0.46	1.	1.845	1.88
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			20.897								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	11	7.	9.318	24.	0.	88.514	9.408	0.	0.	18.	23.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	11	140.	139.	210.	49.	1807.	42.509	61.2	120.	160.	206.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	11	9.1	9.709	15.4	6.9	6.425	2.535	6.96	8.	11.8	14.74
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	11	1.2	1.232	2.	0.25	0.224	0.473	0.38	0.9	1.6	1.94
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	11	7.6	7.482	7.9	6.4	0.204	0.451	6.5	7.5	7.8	7.9
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	11	7.6	7.178	7.9	6.4	0.305	0.552	6.5	7.5	7.8	7.9
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	11	0.025	0.066	0.398	0.013	0.013	0.115	0.013	0.016	0.032	0.344
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	11	4.	4.636	9.	1.	7.655	2.767	1.2	2.	7.	9.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	11	0.5	0.479	0.95	0.23	0.044	0.211	0.244	0.31	0.55	0.896
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	11	0.05	0.065	0.19	0.01	0.003	0.051	0.012	0.03	0.1	0.172
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	10	0.57	0.563	1.	0.33	0.035	0.188	0.334	0.415	0.605	0.968
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	11	0.03	0.093	0.24	0.005	0.011	0.103	0.005	0.01	0.23	0.238
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	11	0.044	0.047	0.082	0.014	0.	0.021	0.016	0.03	0.06	0.08
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	11	20.	27.091	70.	2.	595.091	24.394	3.6	10.	49.	70.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	11	1.301	1.255	1.845	0.301	0.201	0.448	0.441	1.	1.69	1.845
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.972								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	10	11.5	10.	23.	0.	66.389	8.148	0.	0.375	16.625	22.55
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	10	140.5	143.3	170.	120.	276.233	16.62	120.5	126.5	160.	169.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	5	3.	2.7	4.	1.	1.2	1.095	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	10	9.3	9.38	11.2	7.8	1.251	1.118	7.83	8.55	10.55	11.15
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	10	1.	1.11	2.1	0.5	0.232	0.482	0.52	0.775	1.45	2.05
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	10	7.45	7.53	7.9	7.3	0.036	0.189	7.31	7.4	7.7	7.88
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	10	7.447	7.497	7.9	7.3	0.037	0.192	7.31	7.4	7.7	7.88
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	10	0.036	0.032	0.05	0.013	0.	0.012	0.013	0.02	0.04	0.049
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	10	5.	5.	12.	2.	8.889	2.981	2.	2.75	6.25	11.5
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	10	0.31	0.39	0.73	0.22	0.031	0.176	0.222	0.27	0.56	0.719
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	10	0.05	0.053	0.09	0.03	0.	0.018	0.031	0.04	0.063	0.088
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	10	0.37	0.443	0.77	0.27	0.029	0.169	0.271	0.34	0.607	0.759
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	10	0.04	0.083	0.21	0.005	0.007	0.083	0.007	0.02	0.193	0.209
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	10	0.036	0.041	0.067	0.022	0.	0.019	0.022	0.023	0.059	0.067
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	1	61.	61.	61.	61.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	10	10.	14.1	33.	2.	123.656	11.12	2.3	5.	23.25	33.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	10	1.	1.015	1.519	0.301	0.145	0.381	0.341	0.699	1.355	1.519
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.354								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	9	11.5	12.389	23.5	0.	63.799	7.987	0.	5.75	19.	23.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	120.	124.444	170.	80.	827.778	28.771	80.	105.	150.	170.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	9	6.	4.833	8.5	1.	7.938	2.817	1.	2.	7.25	8.5
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	9.	8.656	12.7	5.8	4.67	2.161	5.8	6.7	9.95	12.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	9	0.8	0.994	1.8	0.25	0.227	0.476	0.25	0.75	1.4	1.8
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	9	7.3	7.278	7.8	6.6	0.167	0.409	6.6	6.95	7.7	7.8
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	9	7.3	7.111	7.8	6.6	0.198	0.445	6.6	6.95	7.7	7.8
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	9	0.05	0.077	0.251	0.016	0.006	0.075	0.016	0.02	0.113	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	8	58.	58.	84.	36.	283.429	16.835	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	4.	4.667	9.	1.	8.25	2.872	1.	2.5	7.5	9.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.47	0.496	0.86	0.14	0.047	0.217	0.14	0.35	0.66	0.86
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9	0.06	0.071	0.1	0.04	0.001	0.024	0.04	0.05	0.1	0.1
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	9	0.56	0.567	0.96	0.19	0.054	0.233	0.19	0.41	0.74	0.96
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	9	0.06	0.08	0.2	0.02	0.004	0.064	0.02	0.045	0.12	0.2
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.04	0.141	0.68	0.027	0.047	0.217	0.027	0.034	0.178	0.68
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	8	54.5	49.325	84.	0.6	682.959	26.133	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	8	21.5	121.125	790.	1.	73716.125	271.507	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	8	1.331	1.3	2.898	0.	0.83	0.911	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			19.941								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	9	14.	11.389	20.	0.	57.611	7.59	0.	3.25	18.	20.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	130.	175.556	540.	100.	19002.778	137.851	100.	120.	155.	540.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	9	2.	2.444	5.	0.	2.028	1.424	0.	2.	3.5	5.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	8.4	8.656	11.1	6.1	2.278	1.509	6.1	7.85	9.85	11.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	9	1.2	1.144	1.4	0.8	0.033	0.181	0.8	1.	1.25	1.4
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	9	7.8	7.767	8.	7.5	0.028	0.166	7.5	7.65	7.9	8.
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	9	7.8	7.739	8.	7.5	0.028	0.168	7.5	7.65	7.9	8.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	9	0.016	0.018	0.032	0.01	0.	0.007	0.01	0.013	0.023	0.032
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	4.	4.	8.	1.	4.25	2.062	1.	2.5	5.	8.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.44	0.51	0.87	0.26	0.039	0.198	0.26	0.375	0.69	0.87
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9	0.05	0.057	0.1	0.03	0.001	0.026	0.03	0.04	0.08	0.1
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	9	0.49	0.567	0.92	0.36	0.038	0.195	0.36	0.425	0.76	0.92
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	9	0.03	0.102	0.38	0.02	0.015	0.124	0.02	0.025	0.185	0.38
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.047	0.05	0.074	0.03	0.	0.013	0.03	0.043	0.06	0.074
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	9	20.	24.444	50.	10.	227.778	15.092	10.	15.	35.	50.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	9	1.301	1.323	1.699	1.	0.062	0.248	1.	1.151	1.5	1.699
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			21.017								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	9	12.	12.389	26.	0.	106.236	10.307	0.	1.5	23.	26.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	120.	123.333	150.	110.	150.	12.247	110.	115.	130.	150.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	9	5.	5.222	8.	3.	1.694	1.302	3.	5.	5.5	8.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	9.6	9.	11.8	6.1	4.508	2.123	6.1	6.8	10.9	11.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	9	1.3	1.417	2.5	0.25	0.399	0.631	0.25	1.1	1.8	2.5
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	9	7.8	7.722	7.9	7.4	0.022	0.148	7.4	7.65	7.8	7.9
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	9	7.8	7.697	7.9	7.4	0.023	0.151	7.4	7.65	7.8	7.9
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	9	0.016	0.02	0.04	0.013	0.	0.008	0.013	0.016	0.023	0.04
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	4.	4.361	8.	0.25	6.986	2.643	0.25	2.	6.5	8.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.52	0.541	0.91	0.26	0.055	0.234	0.26	0.295	0.755	0.91
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9	0.07	0.078	0.11	0.06	0.	0.019	0.06	0.06	0.095	0.11
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	9	0.59	0.619	1.	0.33	0.059	0.242	0.33	0.36	0.84	1.
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	9	0.05	0.078	0.22	0.01	0.005	0.071	0.01	0.025	0.135	0.22
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.054	0.051	0.088	0.017	0.001	0.025	0.017	0.026	0.072	0.088
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	9	20.	36.667	90.	10.	1100.	33.166	10.	10.	75.	90.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	9	1.301	1.401	1.954	1.	0.158	0.398	1.	1.	1.874	1.954
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			25.154								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	9	14.	12.278	22.	0.	64.757	8.047	0.	4.5	19.	22.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	130.	127.333	250.	58.	3108.	55.749	58.	84.	145.	250.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	9	5.	4.444	8.	2.	3.528	1.878	2.	2.5	5.	8.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	7.8	8.444	13.	6.4	4.535	2.13	6.4	6.55	9.7	13.
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	9	0.9	0.994	1.5	0.25	0.147	0.383	0.25	0.85	1.35	1.5
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	9	7.6	7.522	7.8	7.1	0.067	0.259	7.1	7.3	7.75	7.8
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	9	7.6	7.451	7.8	7.1	0.073	0.27	7.1	7.3	7.75	7.8
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	9	0.025	0.035	0.079	0.016	0.001	0.023	0.016	0.018	0.051	0.079
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	4.	4.444	7.	2.	2.778	1.667	2.	3.	6.	7.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.56	0.636	0.97	0.38	0.05	0.224	0.38	0.455	0.895	0.97
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9	0.06	0.07	0.12	0.04	0.001	0.026	0.04	0.05	0.09	0.12
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	9	0.62	0.706	1.09	0.48	0.056	0.236	0.48	0.5	0.965	1.09
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	9	0.05	0.213	1.4	0.005	0.203	0.45	0.005	0.01	0.17	1.4
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.052	0.061	0.113	0.032	0.001	0.026	0.032	0.042	0.081	0.113
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	8 ##	10.	35.	170.	10.	3171.429	56.315	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	8 ##	1.	1.241	2.23	1.	0.22	0.469	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.425								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	9	17.	12.056	21.5	0.	68.403	8.271	0.	3.5	18.5	21.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	120.	121.333	150.	88.	548.	23.409	88.	97.	145.	150.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	9	3.	2.889	5.	1.	1.111	1.054	1.	2.5	3.	5.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	8.1	9.322	13.	7.4	4.429	2.105	7.4	7.55	11.35	13.
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	9	1.3	1.139	1.7	0.25	0.196	0.443	0.25	0.85	1.45	1.7
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	9	7.6	7.667	7.9	7.4	0.025	0.158	7.4	7.6	7.8	7.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	9	7.6	7.642	7.9	7.4	0.026	0.16	7.4	7.6	7.8	7.9
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	9	0.025	0.023	0.04	0.013	0.	0.008	0.013	0.016	0.025	0.04
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	5.	6.111	10.	3.	8.611	2.934	3.	3.	9.	10.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.49	0.451	0.64	0.24	0.015	0.122	0.24	0.35	0.535	0.64
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9	0.06	0.063	0.08	0.04	0.	0.015	0.04	0.05	0.08	0.08
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	9	0.54	0.514	0.72	0.32	0.016	0.126	0.32	0.4	0.605	0.72
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	9	0.04	0.082	0.24	0.02	0.006	0.079	0.02	0.03	0.135	0.24
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.046	0.04	0.052	0.019	0.	0.012	0.019	0.029	0.05	0.052
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	7	12.	23.214	84.	2.5	812.321	28.501	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	7	1.079	1.105	1.924	0.398	0.276	0.526	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			12.731								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	9	12.	11.444	21.	0.	67.278	8.202	0.	3.	20.	21.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	100.	106.778	150.	80.	537.194	23.177	80.	88.	125.	150.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	9	1.	1.333	3.	0.	1.	1.	0.	0.5	2.	3.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	8.9	9.233	11.4	7.3	1.988	1.41	7.3	8.05	10.6	11.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	3	1.3	1.05	1.6	0.25	0.503	0.709	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	9	7.6	7.489	7.7	7.1	0.044	0.209	7.1	7.3	7.65	7.7
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	9	7.6	7.44	7.7	7.1	0.046	0.215	7.1	7.3	7.65	7.7
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	9	0.025	0.036	0.079	0.02	0.	0.02	0.02	0.023	0.05	0.079
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	5.	7.111	27.	1.	60.611	7.785	1.	3.	7.5	27.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.48	0.569	1.56	0.21	0.156	0.395	0.21	0.33	0.6	1.56
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9	0.05	0.047	0.06	0.02	0.	0.015	0.02	0.035	0.06	0.06
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	9	0.51	0.616	1.58	0.27	0.148	0.385	0.27	0.38	0.655	1.58
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	9	0.03	0.057	0.17	0.005	0.004	0.064	0.005	0.008	0.105	0.17
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.037	0.051	0.179	0.029	0.002	0.048	0.029	0.031	0.039	0.179
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	6	14.	25.667	72.	2.	829.467	28.8	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	6	0.991	1.071	1.857	0.301	0.424	0.651	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			11.767								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	9	17.	12.889	25.	0.	98.111	9.905	0.	2.	21.5	25.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	140.	142.222	160.	130.	94.444	9.718	130.	135.	150.	160.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	9	3.	2.889	7.	0.	4.861	2.205	0.	1.	4.	7.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	8.6	9.778	13.8	7.3	5.412	2.326	7.3	8.	11.8	13.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	3	1.1	1.567	2.7	0.9	0.973	0.987	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	9	7.7	7.744	8.	7.6	0.02	0.142	7.6	7.6	7.85	8.
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	9	7.7	7.725	8.	7.6	0.021	0.144	7.6	7.6	7.85	8.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	9	0.02	0.019	0.025	0.01	0.	0.006	0.01	0.014	0.025	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	4.	5.	9.	2.	5.75	2.398	2.	3.	7.	9.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.37	0.39	0.61	0.27	0.014	0.117	0.27	0.285	0.48	0.61
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9	0.05	0.042	0.08	0.02	0.	0.02	0.02	0.02	0.05	0.08
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	9	0.39	0.432	0.69	0.29	0.017	0.131	0.29	0.32	0.525	0.69
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	9	0.04	0.061	0.17	0.005	0.004	0.062	0.005	0.02	0.11	0.17
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.034	0.032	0.041	0.021	0.	0.007	0.021	0.025	0.039	0.041
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	9	12.	12.667	32.	2.	92.	9.592	2.	4.	18.	32.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	9	1.079	0.967	1.505	0.301	0.155	0.394	0.301	0.602	1.253	1.505
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			9.266								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	9	14.	14.	28.	0.	104.	10.198	0.	4.	24.	28.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	140.	143.333	170.	100.	425.	20.616	100.	135.	160.	170.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	9	2.	2.556	4.	1.	1.028	1.014	1.	2.	3.5	4.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	8.3	9.111	11.5	7.6	2.279	1.51	7.6	7.85	10.6	11.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	9	1.1	1.128	1.9	0.25	0.211	0.459	0.25	0.9	1.35	1.9
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	9	8.	7.978	8.4	7.4	0.112	0.335	7.4	7.7	8.3	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	9	8.	7.86	8.4	7.4	0.128	0.357	7.4	7.7	8.3	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	9	0.01	0.014	0.04	0.004	0.	0.011	0.004	0.005	0.02	0.04
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	3.	3.889	9.	1.	5.361	2.315	1.	2.5	5.	9.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.43	0.446	0.73	0.28	0.019	0.137	0.28	0.325	0.52	0.73
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9	0.04	0.042	0.07	0.02	0.	0.018	0.02	0.025	0.06	0.07
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	9	0.45	0.488	0.77	0.34	0.017	0.13	0.34	0.39	0.56	0.77
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	9	0.04	0.091	0.27	0.005	0.01	0.102	0.005	0.008	0.19	0.27
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.034	0.033	0.04	0.021	0.	0.006	0.021	0.029	0.038	0.04
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	9	8.	8.667	24.	2.	42.	6.481	2.	4.	10.	24.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	9	0.903	0.842	1.38	0.301	0.096	0.31	0.301	0.602	0.991	1.38
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			6.948								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	8	13.25	12.813	25.	0.	80.853	8.992	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	8	135.	135.5	160.	94.	407.714	20.192	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	8	3.5	3.625	6.	2.	2.554	1.598	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	8	8.95	9.225	12.4	7.6	3.062	1.75	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	8	1.4	1.375	1.9	0.7	0.148	0.385	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	8	7.95	7.925	8.3	7.4	0.076	0.276	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	8	7.947	7.839	8.3	7.4	0.085	0.291	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	8	0.011	0.014	0.04	0.005	0.	0.011	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	8	2.5	17.5	120.	1.	1717.714	41.445	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	8	0.48	0.489	0.69	0.3	0.023	0.153	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	8	0.045	0.054	0.1	0.03	0.001	0.025	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	8	0.525	0.543	0.75	0.33	0.021	0.144	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	8	0.02	0.054	0.16	0.01	0.004	0.066	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	8	0.041	0.039	0.061	0.005	0.	0.02	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	8	10.	12.25	28.	2.	85.071	9.223	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	8	0.991	0.962	1.447	0.301	0.144	0.38	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			9.16								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	9	10.	10.611	24.	0.	70.111	8.373	0.	3.5	18.	24.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	120.	118.778	160.	65.	873.444	29.554	65.	97.	140.	160.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	9	3.	3.	5.	0.	3.	1.732	0.	2.	5.	5.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	9.	9.467	11.7	7.4	2.232	1.494	7.4	8.4	10.9	11.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	9	1.5	1.317	1.8	0.25	0.26	0.51	0.25	1.	1.75	1.8
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	9	7.8	7.844	8.2	7.5	0.043	0.207	7.5	7.7	8.	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	9	7.8	7.802	8.2	7.5	0.045	0.212	7.5	7.7	8.	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	9	0.016	0.016	0.032	0.006	0.	0.008	0.006	0.01	0.02	0.032
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	2.	3.311	8.	0.8	5.621	2.371	0.8	1.5	5.	8.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.49	0.56	1.06	0.39	0.042	0.206	0.39	0.42	0.615	1.06
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9	0.05	0.161	1.08	0.02	0.119	0.346	0.02	0.02	0.085	1.08
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	9	0.54	0.61	1.14	0.42	0.045	0.212	0.42	0.5	0.635	1.14
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	9	0.05	0.083	0.21	0.005	0.006	0.075	0.005	0.015	0.155	0.21
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.029	0.03	0.048	0.013	0.	0.01	0.013	0.024	0.036	0.048
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	9	8.	26.889	150.	2.	2292.111	47.876	2.	3.	32.	150.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	9	0.903	0.975	2.176	0.301	0.4	0.632	0.301	0.452	1.491	2.176
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			9.43								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	9	15.5	12.611	25.	0.	80.674	8.982	0.	4.	19.25	25.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	98.	106.111	150.	60.	1359.611	36.873	60.	68.5	145.	150.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	9	2.	2.111	5.	0.	2.611	1.616	0.	1.	3.5	5.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	9	7.4	8.333	11.2	6.5	3.383	1.839	6.5	6.8	10.35	11.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	9	1.3	1.161	1.9	0.25	0.331	0.575	0.25	0.65	1.7	1.9
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	9	7.6	7.644	8.1	7.4	0.068	0.26	7.4	7.4	7.85	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	9	7.6	7.585	8.1	7.4	0.072	0.268	7.4	7.4	7.85	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	9	0.025	0.026	0.04	0.008	0.	0.013	0.008	0.015	0.04	0.04
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	5.	4.667	8.	1.	6.5	2.55	1.	2.5	7.	8.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.53	0.666	1.46	0.16	0.18	0.424	0.16	0.37	1.035	1.46
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9 ##	0.01	0.024	0.06	0.01	0.	0.02	0.01	0.01	0.045	0.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	9	0.53	0.684	1.48	0.21	0.187	0.433	0.21	0.37	1.085	1.48
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	9	0.06	0.091	0.26	0.005	0.007	0.085	0.005	0.03	0.15	0.26
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.033	0.041	0.097	0.005	0.001	0.03	0.005	0.019	0.061	0.097
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	3	51.	49.667	63.	35.	197.333	14.048	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	2 ##	1.	1.	1.5	0.5	0.5	0.707	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	1	540.	540.	540.	540.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	2 ##	0.825	0.825	1.5	0.15	0.911	0.955	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	2 ##	3.25	3.25	5.	1.5	6.125	2.475	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	9	32.	58.	260.	2.	6704.	81.878	2.	4.	76.	260.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	9	1.505	1.319	2.415	0.301	0.539	0.734	0.301	0.602	1.88	2.415
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			20.823								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	8	13.25	14.	25.5	3.5	67.286	8.203	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	8	110.	104.625	130.	65.	478.268	21.869	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	8	4.	3.5	6.	1.	2.286	1.512	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	8	9.05	9.313	12.4	7.1	3.81	1.952	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	8	1.05	1.044	1.6	0.25	0.214	0.462	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	8	7.8	7.775	8.	7.4	0.051	0.225	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	8	7.8	7.722	8.	7.4	0.054	0.232	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	8	0.016	0.019	0.04	0.01	0.	0.01	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	8	3.5	3.75	6.	2.	2.214	1.488	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	8	0.525	0.53	0.77	0.36	0.016	0.128	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	8 ##	0.01	0.011	0.02	0.01	0.	0.004	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	8	0.525	0.533	0.77	0.38	0.015	0.124	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	8	0.05	0.051	0.1	0.005	0.001	0.036	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	8	0.031	0.037	0.061	0.022	0.	0.016	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	8	10.	19.75	56.	2.	402.786	20.07	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	8	0.991	1.07	1.748	0.301	0.25	0.5	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			11.75								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	9	11.5	12.	23.5	0.	79.	8.888	0.	3.	20.75	23.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	9	130.	116.	160.	68.	1248.75	35.338	68.	78.5	145.	160.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	9	3.	2.889	5.	1.	1.861	1.364	1.	1.5	4.	5.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	8	8.5	8.413	10.9	5.4	3.287	1.813	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	9	1.1	1.122	1.6	0.5	0.219	0.468	0.5	0.65	1.6	1.6
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	9	7.7	7.744	8.1	7.3	0.055	0.235	7.3	7.6	7.9	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	9	7.7	7.685	8.1	7.3	0.059	0.243	7.3	7.6	7.9	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	9	0.02	0.021	0.05	0.008	0.	0.013	0.008	0.013	0.025	0.05
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	9	3.	3.667	8.	2.	5.25	2.291	2.	2.	5.5	8.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	9	0.46	0.548	1.62	0.2	0.181	0.425	0.2	0.29	0.6	1.62
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	9	0.04	0.032	0.06	0.01	0.	0.02	0.01	0.01	0.05	0.06
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	9	0.5	0.577	1.62	0.25	0.176	0.419	0.25	0.29	0.655	1.62
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	9	0.04	0.066	0.2	0.025	0.004	0.066	0.025	0.028	0.1	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	9	0.033	0.03	0.043	0.013	0.	0.011	0.013	0.021	0.04	0.043
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	9	48.	48.444	100.	4.	1741.778	41.735	4.	12.	100.	100.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	9	1.681	1.467	2.	0.602	0.268	0.518	0.602	1.079	2.	2.
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			29.302								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

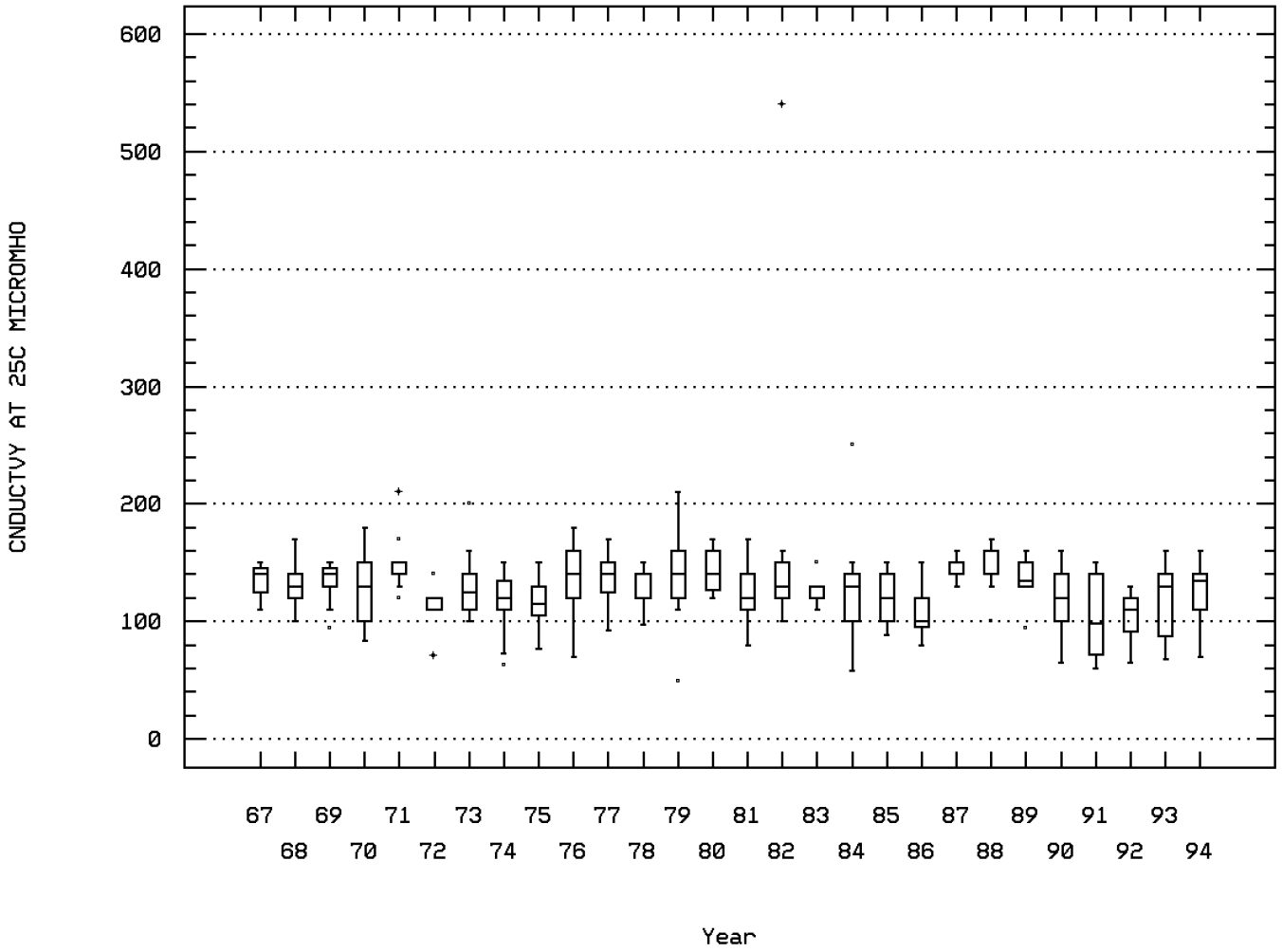
Annual Analysis for 1994 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	8	18.	13.625	22.5	0.	96.054	9.801	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	8	135.	125.125	160.	70.	875.839	29.595	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	8	3.	2.5	5.	0.	2.857	1.69	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	8	8.35	8.85	11.5	7.	2.871	1.695	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	8	1.05	1.131	1.9	0.25	0.272	0.522	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	8	7.85	7.8	8.	7.4	0.054	0.233	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	8	7.825	7.742	8.	7.4	0.058	0.241	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	8	0.015	0.018	0.04	0.01	0.	0.011	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	8	3.	3.25	6.	2.	1.643	1.282	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	8	0.465	0.479	0.75	0.27	0.021	0.144	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	8	0.02	0.02	0.05	0.01	0.	0.013	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	8	0.475	0.495	0.77	0.32	0.019	0.139	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	8 ##	0.025	0.069	0.22	0.025	0.007	0.082	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	8	0.025	0.069	0.379	0.018	0.016	0.125	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	8	34.	39.	130.	2.	1822.857	42.695	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	8	1.525	1.227	2.114	0.301	0.511	0.715	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			16.864								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0187 Parameter Code: 00095

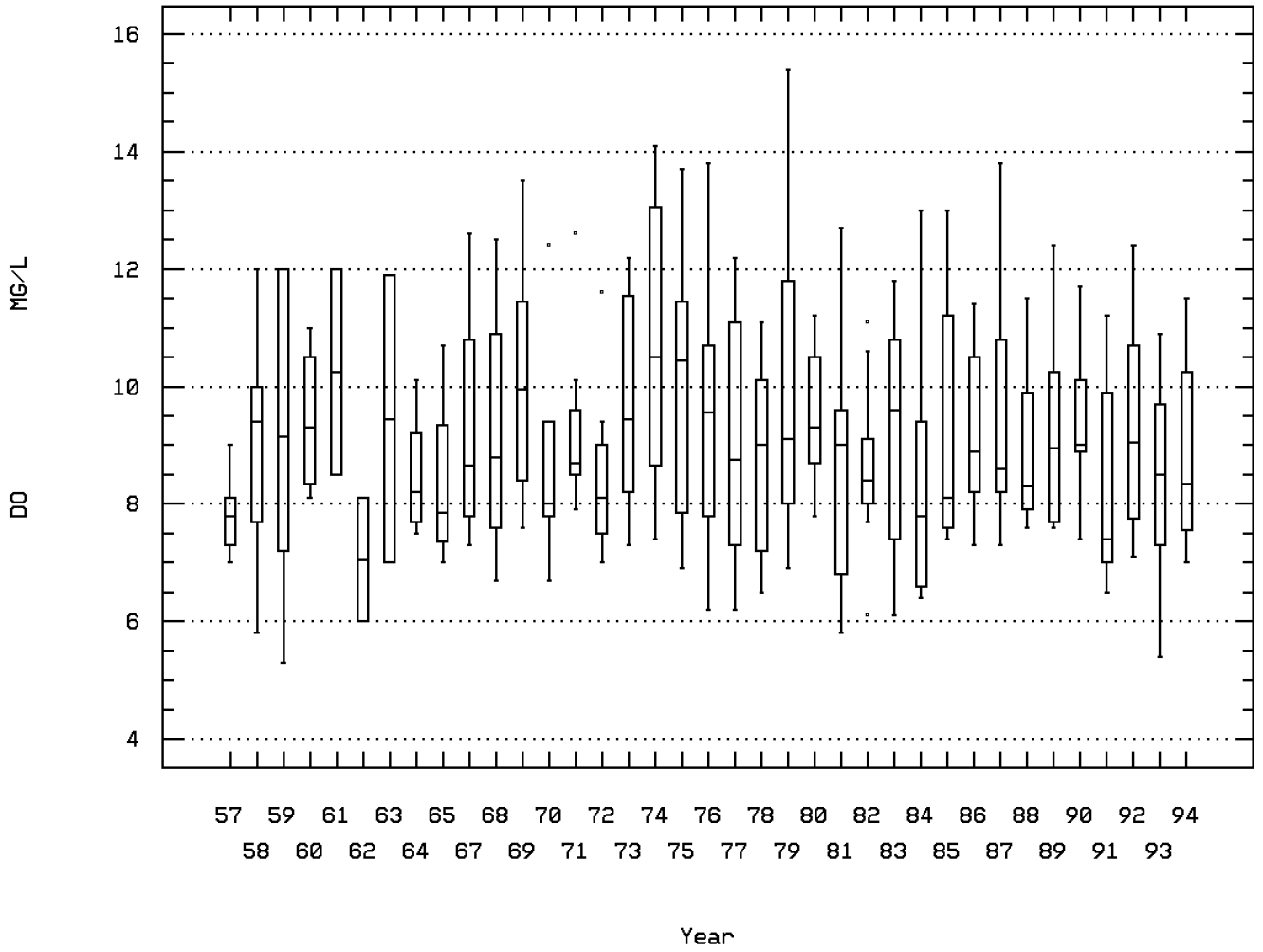
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00300

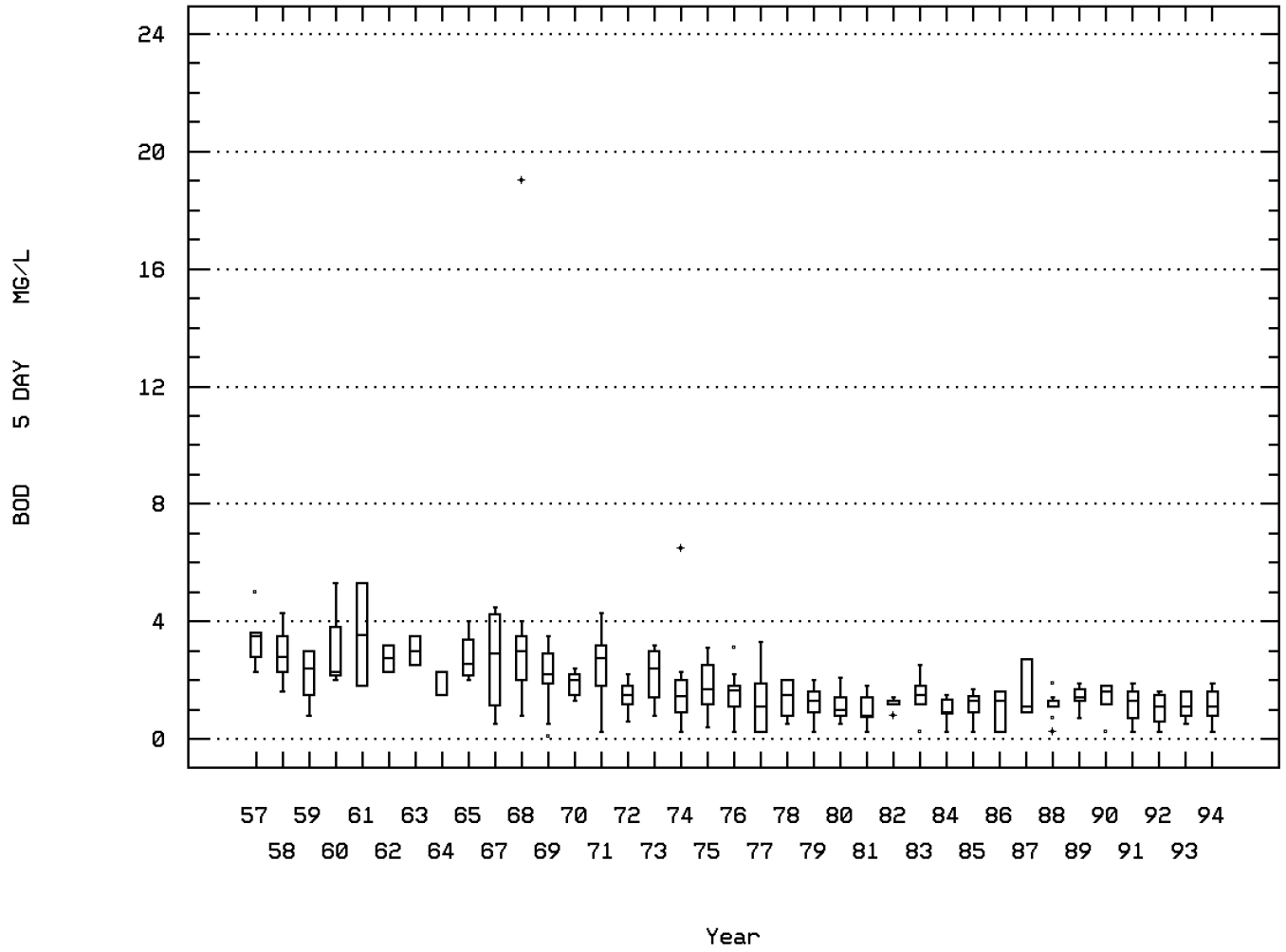
OXYGEN, DISSOLVED



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00310

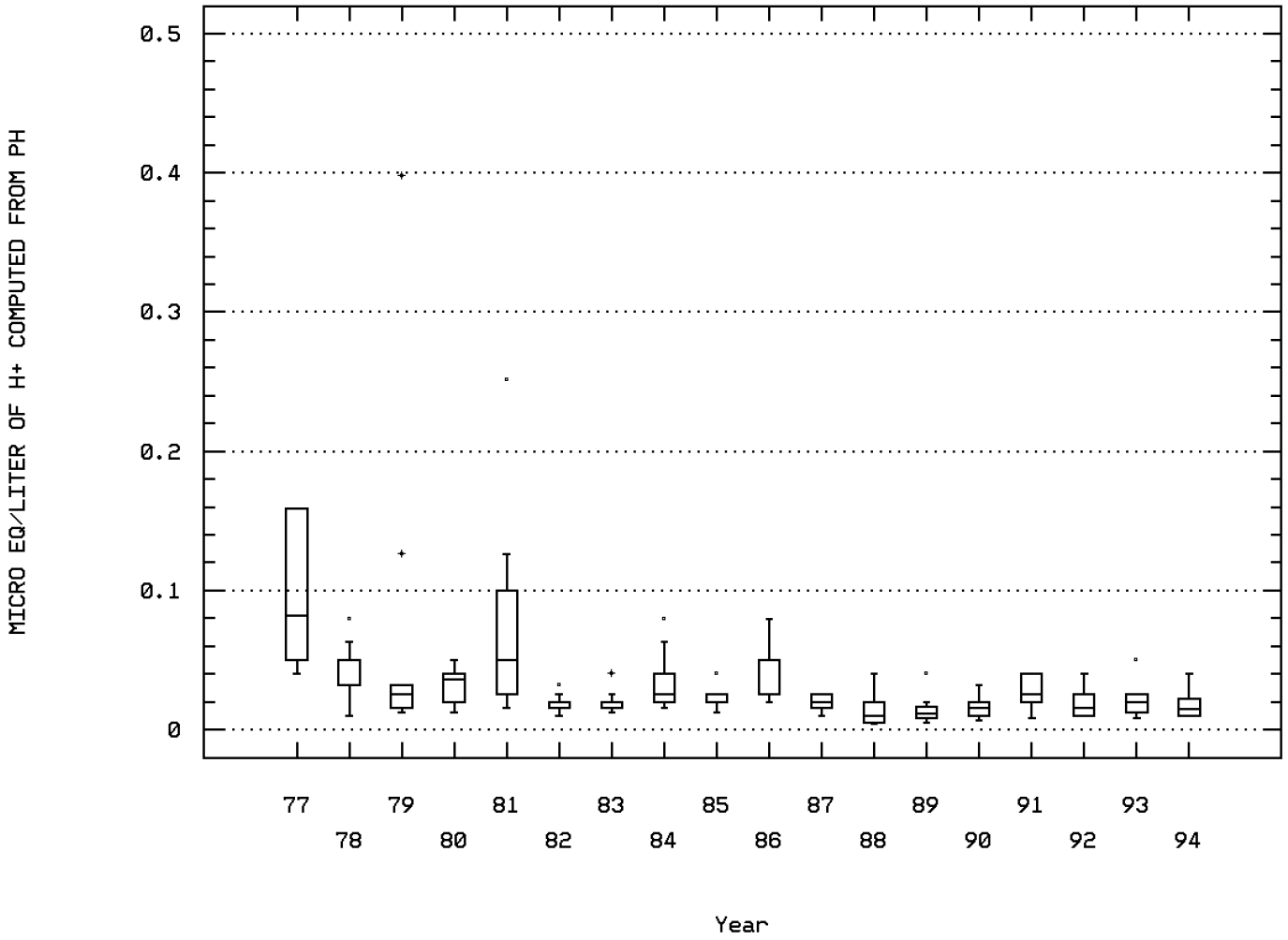
BOD, 5 DAY, 20 DEG C



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00403

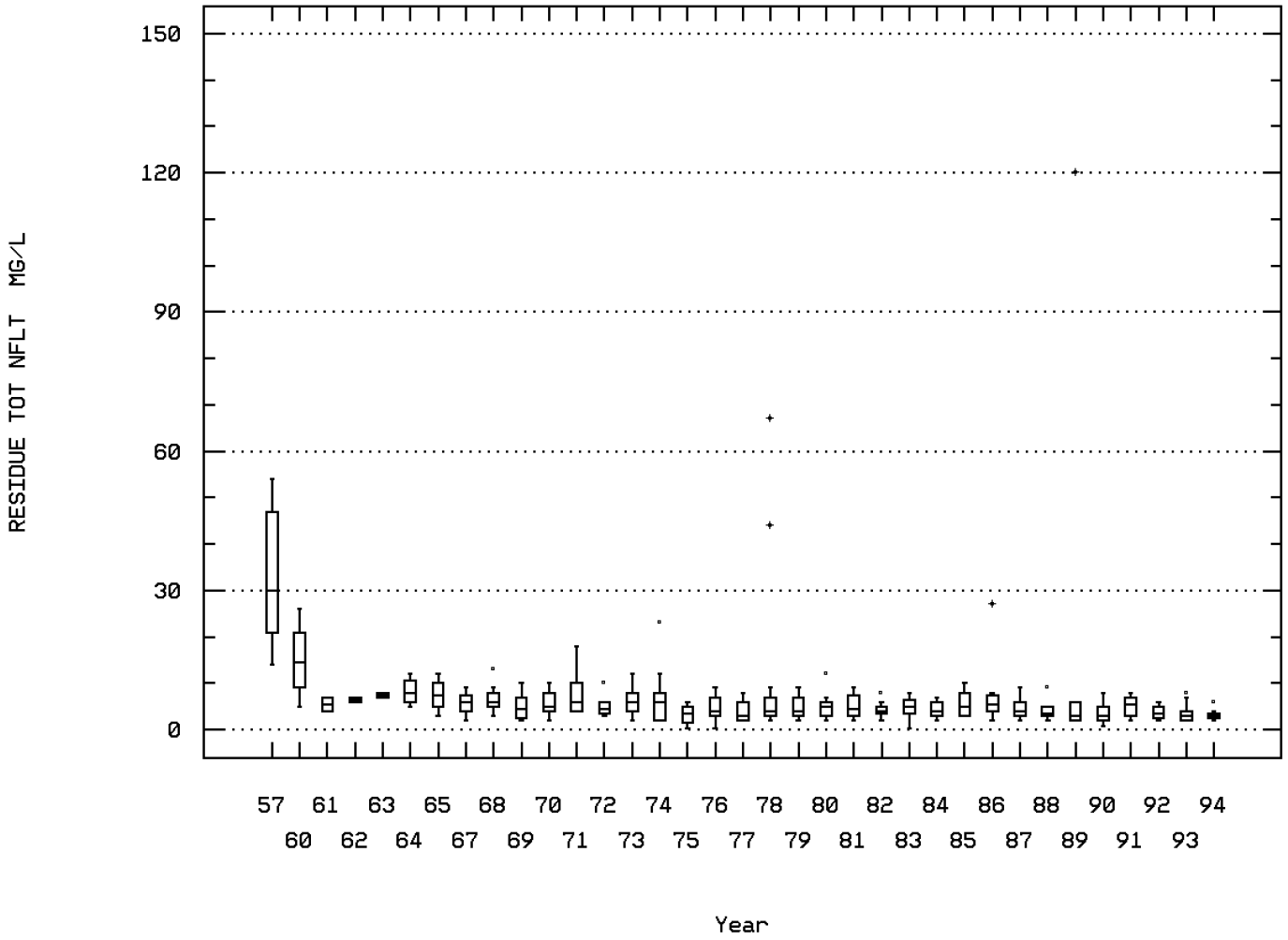
MICRO EQ/LITER OF H+ COMPUTED FROM PH



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00530

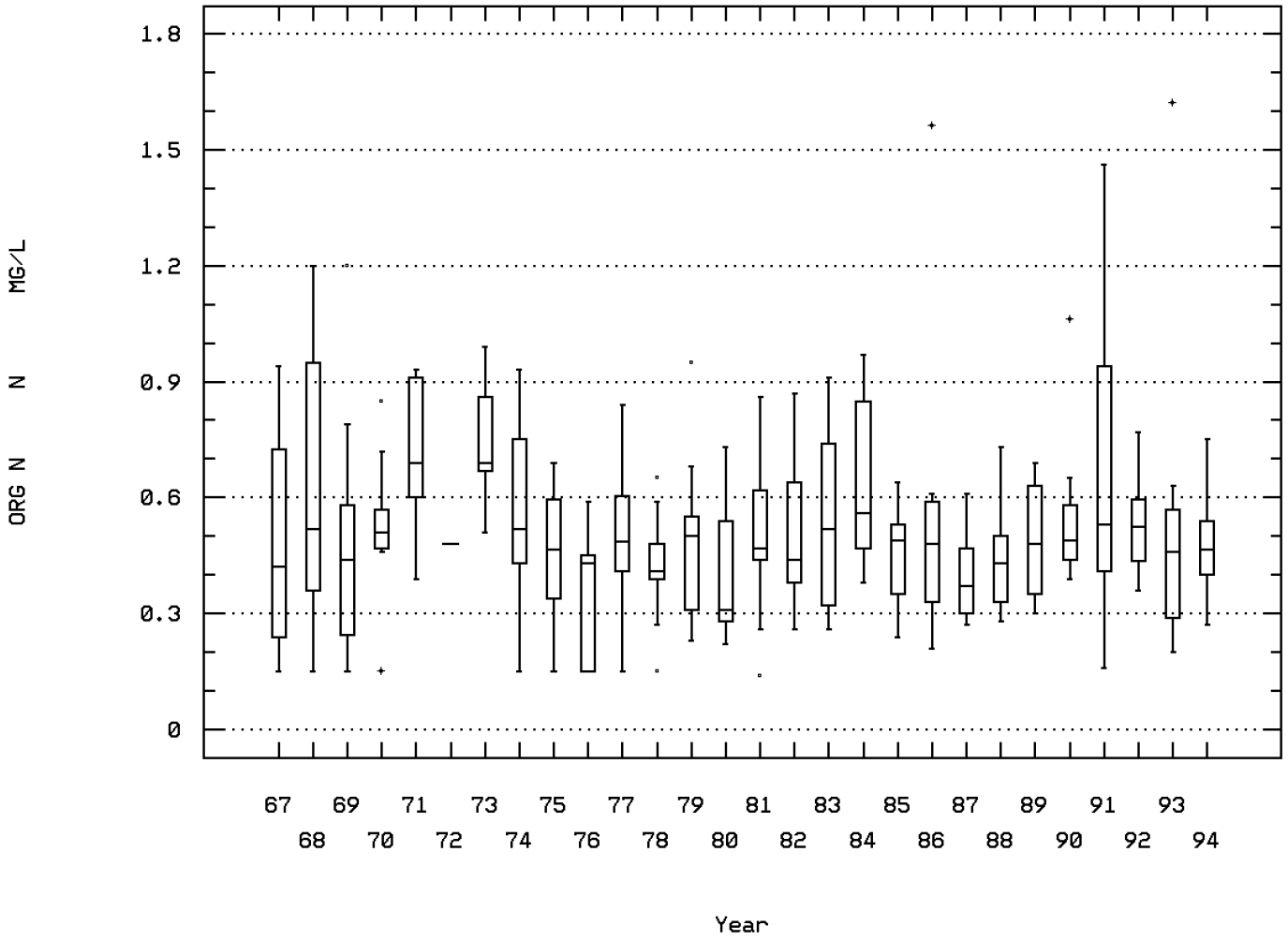
RESIDUE, TOTAL NONFILTRABLE (MG/L)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00605

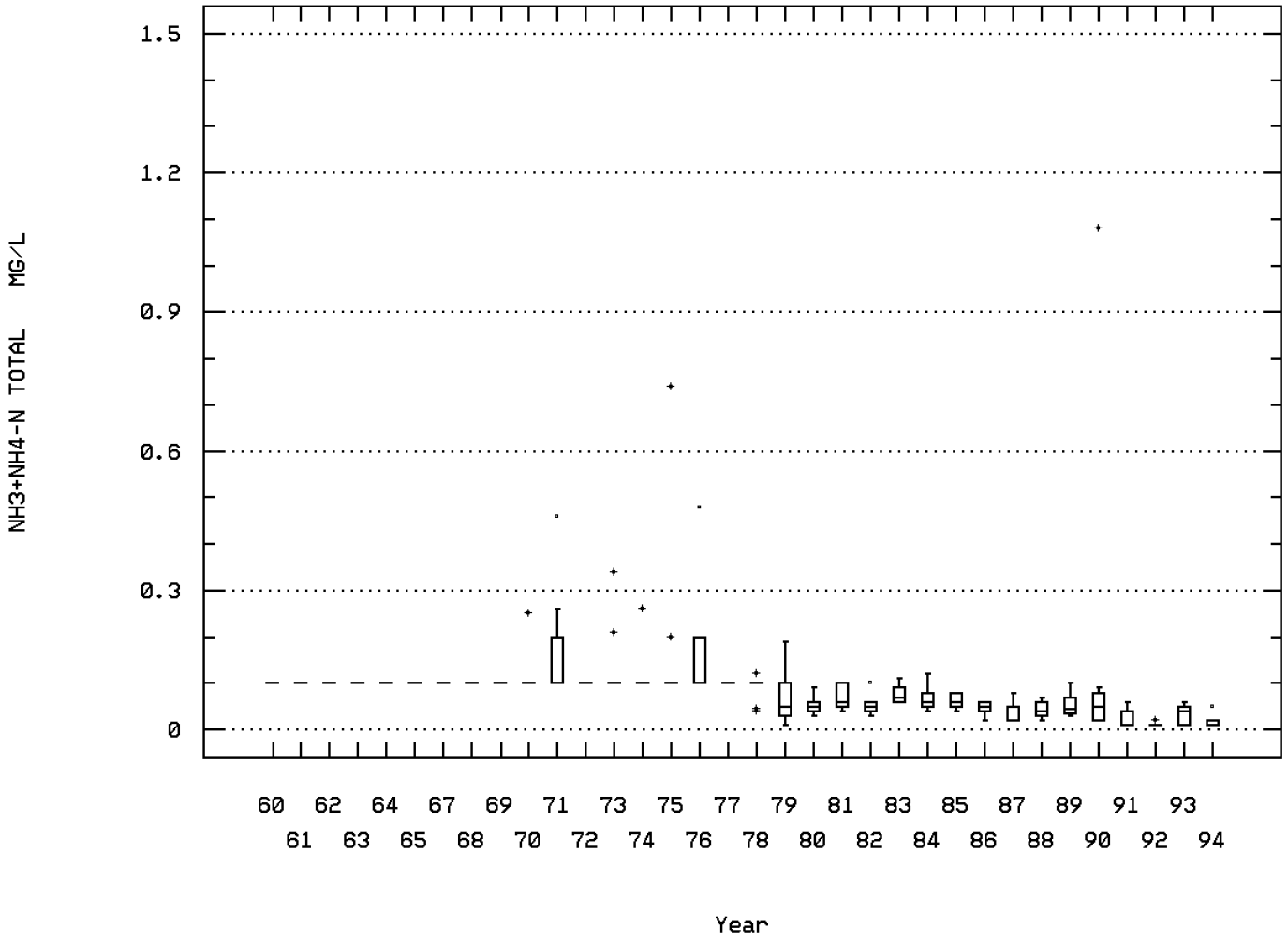
NITROGEN, ORGANIC, TOTAL (MG/L AS N)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00610

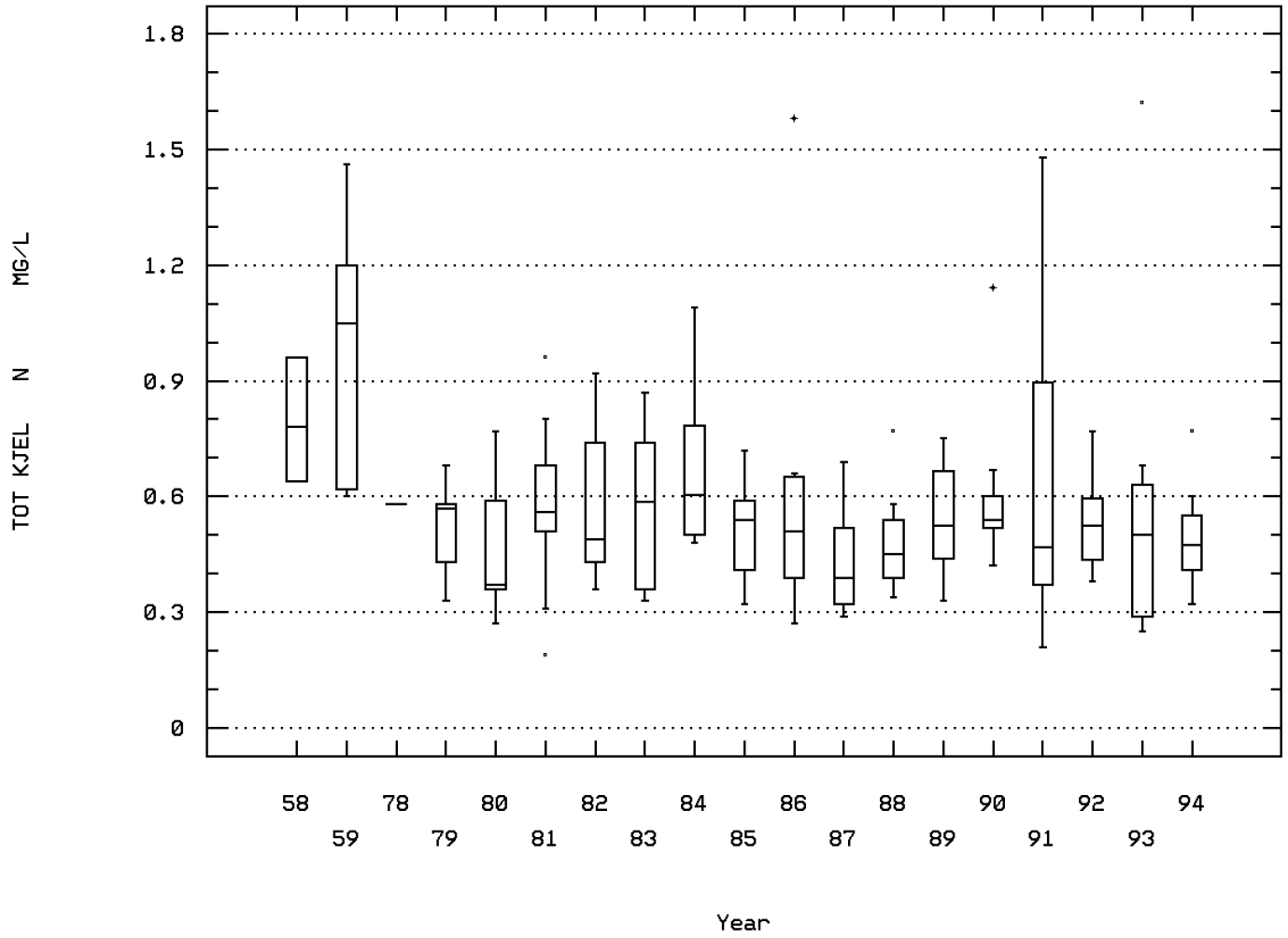
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00625

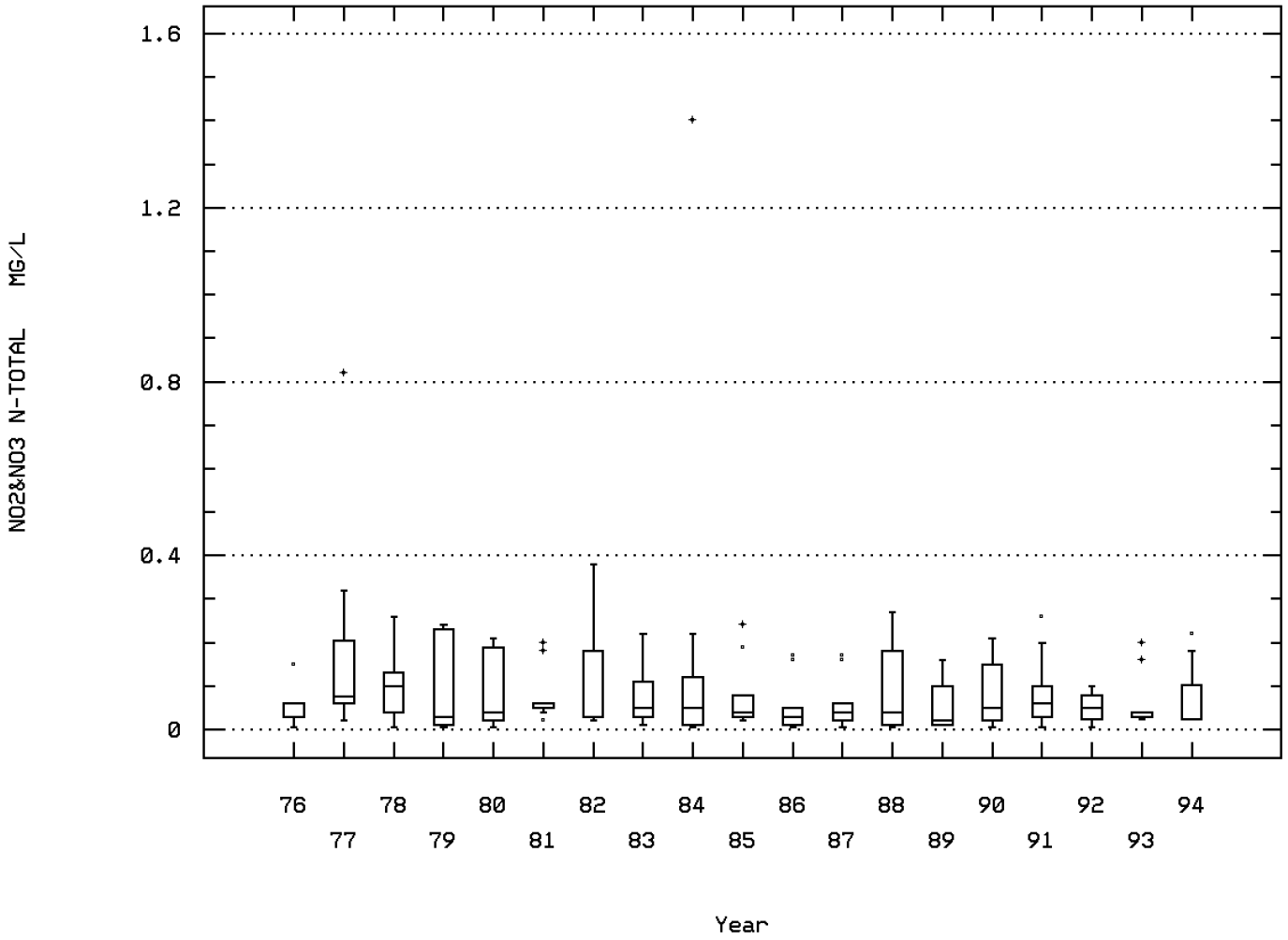
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00630

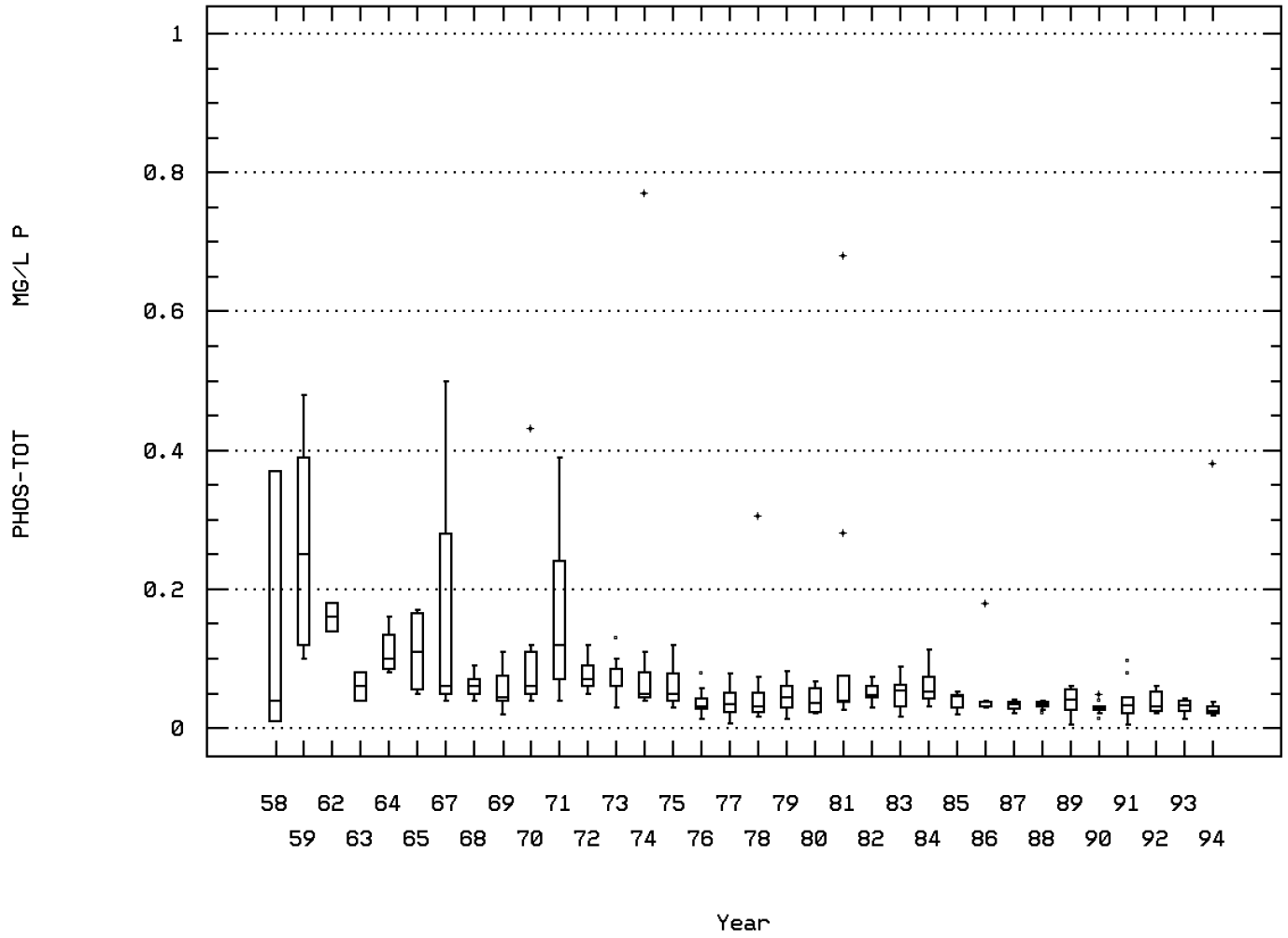
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00665

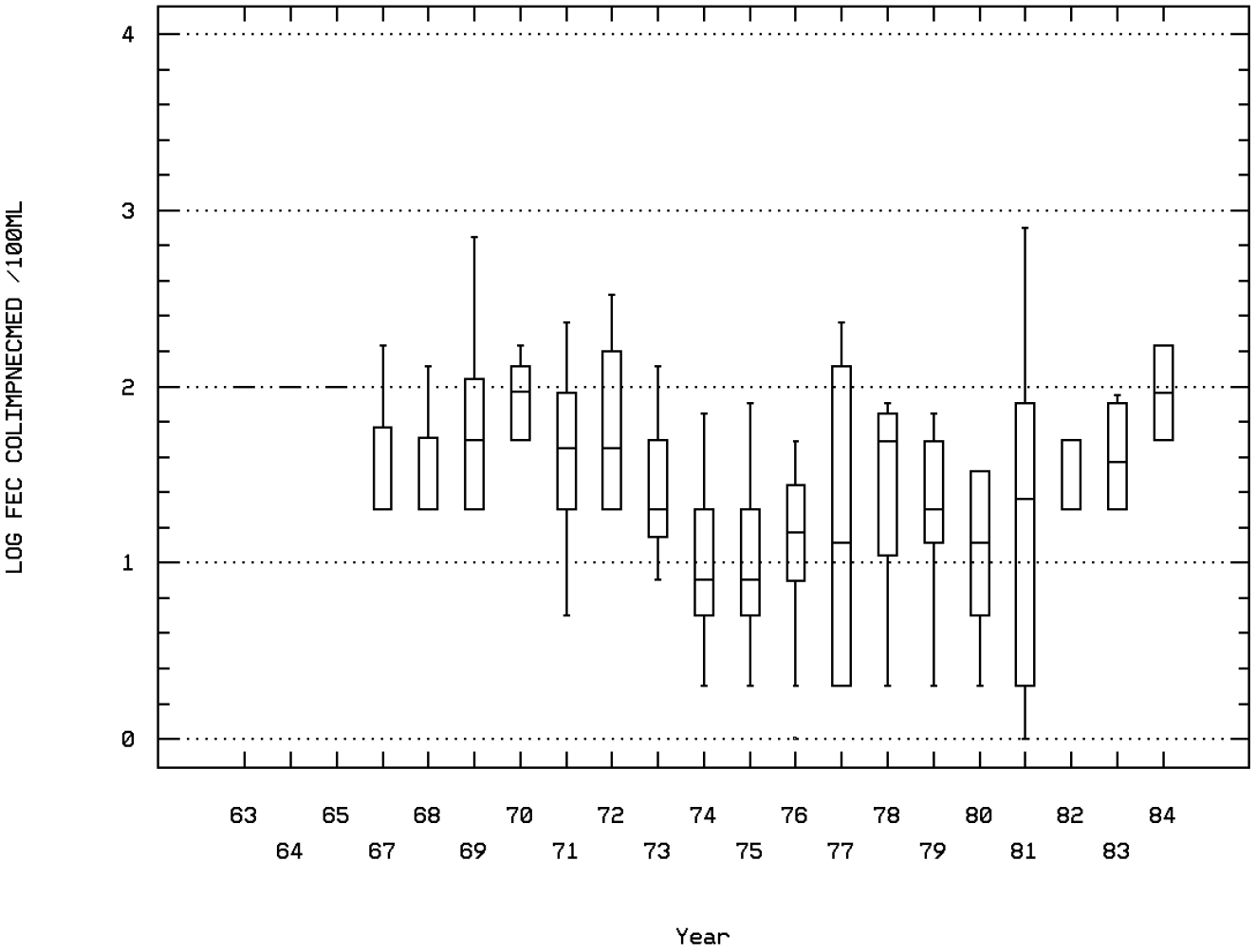
PHOSPHORUS, TOTAL (MG/L AS P)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 31615

LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	50	13.5	13.04	28.	0.	39.978	6.323	5.1	8.	17.	20.9
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	42	55.	53.381	73.	32.	152.485	12.349	35.	44.	62.25	71.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	31	2.7	2.984	6.5	1.4	1.213	1.101	1.92	2.2	3.8	4.48
00080	COLOR (PLATINUM-COBALT UNITS)	06/11/57-10/06/72	19	35.	40.263	120.	10.	626.316	25.026	15.	20.	50.	70.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	81	140.	132.383	180.	81.	414.014	20.347	102.	120.	150.	150.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	36	3.	3.222	8.	0.	2.821	1.679	1.	2.	4.	5.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	94	8.55	9.148	15.4	6.	3.325	1.823	7.3	7.8	10.225	11.95
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	91	1.6	1.977	19.	0.4	4.176	2.043	0.9	1.	2.3	3.1
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	48	7.55	7.56	8.4	6.7	0.15	0.387	7.08	7.3	7.8	8.02
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	48	7.547	7.392	8.4	6.7	0.179	0.423	7.08	7.3	7.8	8.02
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	48	0.028	0.041	0.2	0.004	0.002	0.042	0.01	0.016	0.05	0.084
00403	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	46	7.8	7.754	8.4	7.	0.089	0.299	7.3	7.575	8.	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	46	7.8	7.649	8.4	7.	0.1	0.317	7.3	7.575	8.	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	46	0.016	0.022	0.1	0.004	0.	0.018	0.008	0.01	0.027	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	36	64.	63.556	94.	36.	149.054	12.209	46.	56.5	69.75	78.5
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	37	100.	107.027	190.	64.	608.083	24.659	83.6	96.5	115.	136.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/30/57-07/08/74	17	41.	45.588	69.	16.	291.007	17.059	18.4	32.	64.	67.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	91	4.	6.289	67.	0.25	85.206	9.231	2.	3.	6.	11.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/30/57-09/21/72	26	3.5	6.346	54.	2.	107.835	10.384	2.	2.	5.25	12.3
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	75	0.46	0.5	1.2	0.14	0.052	0.227	0.25	0.36	0.61	0.844
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	86 ##	0.1	0.077	0.48	0.01	0.003	0.057	0.017	0.04	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	26 ##	0.01	0.017	0.06	0.005	0.	0.013	0.009	0.01	0.023	0.033
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	33	0.11	0.147	0.6	0.01	0.022	0.149	0.016	0.05	0.175	0.412
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	41	0.49	0.517	0.93	0.19	0.031	0.175	0.296	0.385	0.655	0.77
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	50	0.03	0.07	1.4	0.005	0.038	0.195	0.01	0.02	0.06	0.1
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	88	0.041	0.07	0.39	0.007	0.005	0.073	0.022	0.03	0.076	0.16
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	35	66.	67.6	92.	42.	101.012	10.05	59.2	62.	74.	82.8
00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/22/91	22	48.	48.364	76.	28.	92.909	9.639	40.	42.5	52.5	61.2
00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/22/91	10	20.	22.8	48.	5.	127.289	11.282	6.1	16.75	28.5	46.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/25/77	20	3.55	5.41	34.	2.2	47.358	6.882	2.51	3.	4.75	7.9
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/25/77	19	1.	2.429	19.	0.5	18.141	4.259	0.5	0.5	2.	6.
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	45	3.	3.45	16.	0.25	7.749	2.784	1.	2.	4.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-06/15/81	15 ##	2.5	5.3	15.	2.5	17.707	4.208	2.5	2.5	8.	13.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/25/77	19 ##	0.05	0.057	0.14	0.05	0.001	0.023	0.05	0.05	0.05	0.1
01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/01/90	23 ##	5.	3.363	5.	0.25	4.521	2.126	0.5	0.6	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	32 ##	5.	4.542	20.	0.005	11.77	3.431	0.005	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/22/69-10/22/91	11	0.6	2.695	10.	0.25	10.036	3.168	0.26	0.4	5.	9.
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	34 ##	5.	4.229	5.	0.25	2.889	1.7	0.5	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	27	380.	377.889	880.	33.	56307.256	237.292	136.	170.	540.	770.
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	30 ##	5.	5.482	20.	0.1	16.159	4.02	0.28	5.	5.	11.8
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	27	53.	83.	480.	10.	8280.538	90.997	20.	40.	100.	166.
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	33 ##	5.	4.979	26.	0.5	16.73	4.09	0.62	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	34	5.	19.141	300.	0.6	2648.728	51.466	1.75	5.	12.25	34.5
01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/01/90	14 ##	5.	3.5	5.	1.	3.462	1.861	1.	1.	5.	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	44	320.	885.295	5400.	20.	1816728.725	1347.861	86.5	140.	1022.5	2350.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	44	2.505	2.572	3.732	1.301	0.34	0.583	1.936	2.146	3.005	3.371
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			373.386								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	25	12.	27.92	130.	4.	1109.493	33.309	4.	4.	48.	83.2
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	25	1.079	1.169	2.114	0.602	0.251	0.501	0.602	0.602	1.681	1.914
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			14.773								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	58	20.	52.897	700.	2.	10545.182	102.69	7.7	10.	50.	101.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	58	1.301	1.392	2.845	0.301	0.259	0.509	0.883	1.	1.699	2.004
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			24.645								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	31 ##	0.05	0.114	0.44	0.05	0.014	0.118	0.05	0.05	0.19	0.348
71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-10/20/86	22 ##	0.05	0.211	1.8	0.05	0.146	0.382	0.05	0.05	0.225	0.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	26	0.	0.077	1.5	0.	0.094	0.306	0.	0.	0.	0.15
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	26	32.	32.346	34.	32.	0.475	0.689	32.	32.	32.25	34.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	22	2.1	2.314	4.5	1.2	0.692	0.832	1.43	1.6	2.925	3.66
00080	COLOR (PLATINUM-COBALT UNITS)	06/11/57-10/06/72	10	30.	35.5	90.	10.	724.722	26.921	10.5	15.	48.75	88.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	46	150.	149.891	250.	95.	633.877	25.177	120.	137.5	160.	170.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	12	1.5	1.5	3.	0.	1.727	1.314	0.	0.	3.	3.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	51	10.	10.237	14.1	7.7	2.189	1.479	8.42	9.3	11.4	12.34
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	51	1.	1.24	4.3	0.25	1.	1.	0.25	0.25	2.1	2.74
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	31	7.4	7.468	8.4	6.6	0.127	0.356	7.1	7.3	7.7	7.88
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	31	7.4	7.336	8.4	6.6	0.145	0.381	7.1	7.3	7.7	7.88
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	31	0.04	0.046	0.251	0.004	0.002	0.044	0.013	0.02	0.05	0.079
00403	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	21	7.5	7.443	8.	6.4	0.113	0.336	6.88	7.4	7.6	7.7
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	21	7.5	7.257	8.	6.4	0.149	0.386	6.88	7.4	7.6	7.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	21	0.032	0.055	0.398	0.01	0.007	0.084	0.02	0.025	0.04	0.139
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	24	68.5	67.208	88.	40.	148.781	12.198	52.	58.25	76.75	84.
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	25	110.	111.2	160.	96.	241.583	15.543	97.8	100.	120.	134.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/30/57-07/08/74	10	38.5	36.8	48.	25.	39.956	6.321	25.6	32.5	40.25	47.3
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	48	3.	3.443	12.	0.25	4.939	2.222	1.	2.	5.	6.1
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/30/57-09/21/72	12	2.	2.333	4.	1.	0.97	0.985	1.	2.	3.	4.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	43	0.35	0.395	0.96	0.15	0.051	0.225	0.15	0.23	0.55	0.762
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	47 ##	0.1	0.113	0.74	0.03	0.012	0.108	0.049	0.08	0.1	0.146
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	19	0.02	0.019	0.04	0.005	0.	0.012	0.005	0.01	0.03	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	25	0.22	0.259	0.7	0.025	0.024	0.155	0.094	0.155	0.345	0.472
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	19	0.37	0.469	1.46	0.21	0.075	0.273	0.31	0.33	0.5	0.78
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	24	0.2	0.223	0.82	0.13	0.017	0.131	0.155	0.165	0.228	0.255
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	50	0.04	0.095	0.77	0.014	0.022	0.148	0.02	0.025	0.079	0.361
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	24	72.	71.625	88.	52.	99.723	9.986	56.5	63.5	80.	85.
00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/22/91	14	49.	48.429	60.	34.	43.033	6.56	38.	43.75	51.5	59.
00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/22/91	5	24.	24.	26.	21.	4.5	2.121	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/25/77	12	3.15	3.95	6.	2.6	2.266	1.505	2.6	2.625	5.925	6.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/25/77	12	1.	1.142	3.	0.5	0.545	0.738	0.5	0.67	1.375	2.73
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	27	3.	3.426	7.	0.5	1.36	1.166	2.8	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-06/15/81	10	6.5	6.5	10.	2.5	6.444	2.539	2.5	5.125	9.	9.9
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/25/77	12 ##	0.05	0.055	0.11	0.05	0.	0.017	0.05	0.05	0.05	0.092
01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/01/90	12 ##	5.	4.25	5.	0.5	3.068	1.752	0.5	5.	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	21 ##	5.	6.19	30.	5.	29.762	5.455	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	21 ##	5.	5.619	13.	5.	4.048	2.012	5.	5.	5.	9.
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	21	510.	453.095	910.	5.	60316.19	245.594	56.	280.	635.	780.
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	21 ##	5.	6.905	40.	5.	58.69	7.661	5.	5.	5.	9.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	21	44.	60.714	270.	5.	3974.214	63.041	6.	20.	93.	138.
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	21 ##	5.	5.524	16.	5.	5.762	2.4	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	21	14.	25.333	110.	5.	846.433	29.094	5.	5.	37.5	83.6
01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/01/90	10 ##	1.5	2.2	5.	0.5	2.567	1.602	0.55	1.	3.125	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	27	170.	253.704	1100.	22.	61763.678	248.523	49.8	110.	330.	718.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	27	2.23	2.244	3.041	1.342	0.147	0.384	1.697	2.041	2.519	2.856
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			175.536								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	7 ##	2.	2.857	4.	2.	1.143	1.069	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	7 ##	0.301	0.43	0.602	0.301	0.026	0.161	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.692								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	39	11.	35.872	230.	1.	2676.062	51.731	4.	10.	49.	110.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	39	1.041	1.205	2.362	0.	0.307	0.554	0.602	1.	1.69	2.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.048								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	18 ##	0.05	0.16	0.64	0.05	0.035	0.188	0.05	0.05	0.17	0.622
71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-10/20/86	12 ##	0.05	0.596	5.5	0.05	2.412	1.553	0.05	0.05	0.275	4.03

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	26	0.25	1.904	9.5	0.	8.06	2.839	0.	0.	3.25	7.3
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	12	35.5	36.75	44.	32.	21.114	4.595	32.	32.	41.	43.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	10	3.65	4.8	15.	1.8	15.353	3.918	1.84	2.65	5.05	14.26
00080	COLOR (PLATINUM-COBALT UNITS)	06/11/57-10/06/72	3	30.	31.667	40.	25.	58.333	7.638	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	34	140.	148.324	540.	70.	5760.65	75.899	94.5	117.5	160.	195.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	21	2.	2.524	6.	0.	3.262	1.806	0.2	1.	4.5	5.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	38	11.5	11.471	13.5	5.4	1.877	1.37	10.3	10.8	12.25	13.
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	36	1.2	1.601	6.5	0.25	1.697	1.303	0.5	0.825	1.8	3.29
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	14	7.7	7.671	8.6	6.9	0.216	0.465	7.	7.375	7.8	8.55
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	14	7.7	7.476	8.6	6.9	0.257	0.507	7.	7.375	7.8	8.55
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	14	0.02	0.033	0.126	0.003	0.001	0.033	0.003	0.016	0.042	0.103
00403	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	24	7.6	7.608	7.9	7.	0.037	0.193	7.3	7.6	7.7	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	24	7.6	7.556	7.9	7.	0.04	0.2	7.3	7.6	7.7	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	24	0.025	0.028	0.1	0.013	0.	0.018	0.016	0.02	0.025	0.051
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	11	62.	60.273	77.	36.	198.018	14.072	37.6	48.	74.	76.8
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	10	100.	115.6	210.	93.	1237.822	35.183	93.3	96.75	122.5	202.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/30/57-07/08/74	3	23.	28.667	43.	20.	156.333	12.503	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	36	3.	3.529	8.	0.25	3.552	1.885	1.	2.	5.5	6.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/30/57-09/21/72	5	2.	2.6	4.	2.	0.8	0.894	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	32	0.425	0.415	0.75	0.2	0.016	0.128	0.249	0.323	0.48	0.596
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	36	0.075	0.089	0.46	0.01	0.006	0.08	0.02	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	7 ##	0.01	0.013	0.04	0.005	0.	0.012	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	10	0.23	0.232	0.52	0.04	0.02	0.141	0.043	0.13	0.315	0.504
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	24	0.475	0.501	1.2	0.25	0.042	0.204	0.28	0.373	0.577	0.76
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	25	0.18	0.178	0.38	0.025	0.007	0.082	0.056	0.115	0.215	0.29
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	36	0.041	0.048	0.12	0.005	0.001	0.027	0.021	0.033	0.06	0.089
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	11	65.	63.182	76.	45.	94.364	9.714	46.4	56.	72.	75.8
00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/22/91	8	37.	39.5	53.	31.	75.429	8.685	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/22/91	3	19.	17.667	20.	14.	10.333	3.215	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/25/77	6	4.5	4.3	6.2	2.2	2.88	1.697	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/25/77	6	0.85	1.05	2.1	0.5	0.407	0.638	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	13	3.	6.308	47.	2.	150.731	12.277	2.	2.	3.5	30.6
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-06/15/81	4	8.	7.375	11.	2.5	12.563	3.544	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/25/77	6 ##	0.05	0.058	0.1	0.05	0.	0.02	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/01/90	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	8	825.	740.	970.	370.	52885.714	229.969	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	8 ##	5.	6.	13.	5.	8.	2.828	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	8	73.5	73.625	150.	20.	1459.125	38.198	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	8 ##	5.	7.5	15.	5.	14.286	3.78	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/01/90	5 ##	5.	3.4	5.	1.	4.8	2.191	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	13	130.	247.769	1300.	47.	115928.359	340.483	53.8	75.	275.	976.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	13	2.114	2.178	3.114	1.672	0.161	0.402	1.726	1.874	2.423	2.944
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			150.604								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	13	4.	5.692	16.	2.	19.897	4.461	2.	2.	8.	14.4
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	13	0.602	0.639	1.204	0.301	0.108	0.329	0.301	0.301	0.903	1.154
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			4.353								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	21	10.	17.619	100.	1.	518.548	22.772	2.	8.	20.	49.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	21	1.	1.	2.	0.	0.235	0.485	0.301	0.903	1.301	1.692
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.99								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	8 ##	0.05	0.204	0.57	0.05	0.048	0.22	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-10/20/86	5	0.4	0.77	2.6	0.05	1.09	1.044	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

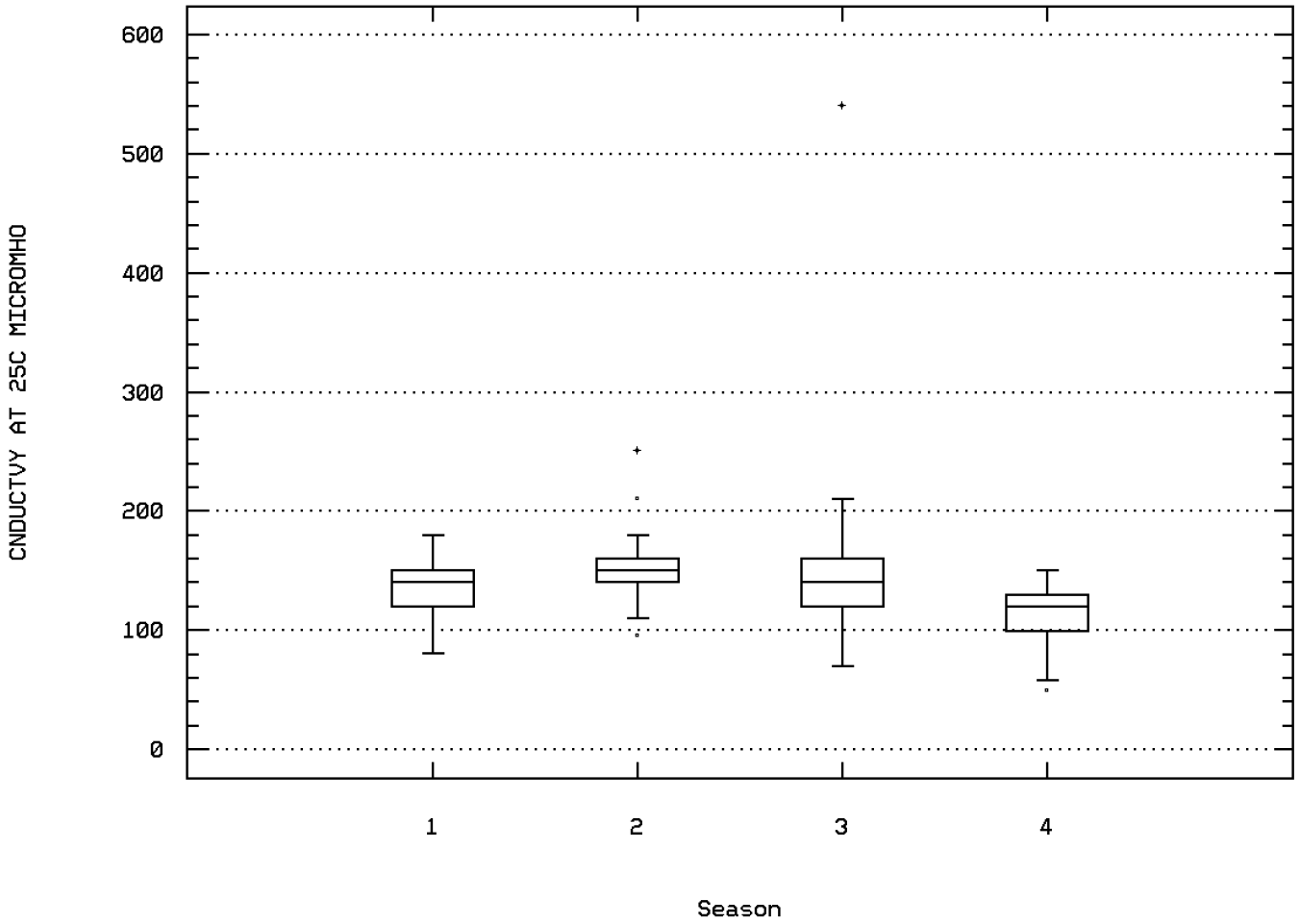
Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/12/94	79	19.	17.658	26.	2.5	32.689	5.717	9.5	13.	22.	24.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/30/57-12/17/75	45	66.	63.867	76.	43.	85.891	9.268	48.6	57.	72.	74.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-03/14/88	35	2.8	2.88	5.8	1.1	0.885	0.941	1.66	2.2	3.4	4.
00080	COLOR (PLATINUM-COBALT UNITS)	06/11/57-10/06/72	16	47.5	51.813	100.	7.	734.696	27.105	19.6	32.75	67.5	100.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-09/12/94	110	120.	112.036	150.	49.	595.668	24.406	70.1	98.75	130.	140.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/12/94	59	3.	3.644	8.5	0.	3.466	1.862	2.	2.	5.	6.
00300p	OXYGEN, DISSOLVED MG/L	04/30/57-09/12/94	124	7.9	8.075	11.8	5.3	1.625	1.275	6.55	7.2	8.9	9.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/30/57-09/12/94	117	1.5	1.688	4.5	0.1	0.684	0.827	0.88	1.2	2.	2.84
00400	PH (STANDARD UNITS)	04/30/57-06/27/77	52	7.55	7.585	8.7	6.8	0.207	0.455	7.	7.3	7.9	8.3
00400	CONVERTED PH (STANDARD UNITS)	04/30/57-06/27/77	52	7.547	7.395	8.7	6.8	0.244	0.494	7.	7.3	7.9	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/30/57-06/27/77	52	0.028	0.04	0.158	0.002	0.001	0.036	0.005	0.013	0.05	0.1
00403	PH, LAB, STANDARD UNITS SU	07/25/77-09/12/94	72	7.7	7.624	8.3	6.6	0.117	0.343	7.13	7.4	7.9	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/77-09/12/94	72	7.7	7.468	8.3	6.6	0.142	0.376	7.13	7.4	7.9	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/77-09/12/94	72	0.02	0.034	0.251	0.005	0.001	0.039	0.01	0.013	0.04	0.075
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/57-09/14/81	44	56.	53.727	76.	22.	99.691	9.985	37.	48.	60.	64.
00500	RESIDUE, TOTAL (MG/L)	04/30/57-09/26/77	36	99.	134.917	1400.	69.	47372.307	217.652	76.7	84.5	110.	127.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/30/57-07/08/74	18	41.5	43.333	71.	14.	287.176	16.946	18.5	28.75	59.5	71.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/30/57-09/12/94	119	6.	8.277	120.	1.	149.999	12.247	2.	4.	8.	12.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/30/57-09/21/72	22	4.	5.	13.	2.	6.286	2.507	3.	4.	6.	9.4
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-09/12/94	102	0.54	0.602	1.62	0.15	0.067	0.258	0.343	0.47	0.692	0.94
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-09/12/94	115	0.09	0.082	1.08	0.01	0.01	0.102	0.02	0.04	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/67-07/26/76	27 ##	0.01	0.017	0.07	0.005	0.	0.015	0.005	0.01	0.02	0.042
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/58-07/26/76	38	0.08	0.148	0.88	0.005	0.033	0.183	0.019	0.05	0.165	0.446
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/05/58-09/12/94	69	0.59	0.679	1.62	0.27	0.08	0.282	0.42	0.505	0.785	1.09
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/76-09/12/94	75	0.03	0.037	0.15	0.005	0.001	0.028	0.005	0.01	0.05	0.08
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/05/58-09/12/94	118	0.05	0.066	0.68	0.005	0.007	0.081	0.026	0.037	0.063	0.097
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-10/22/91	43	60.	55.572	91.	0.6	252.102	15.878	33.2	47.	66.	70.6
00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/22/91	27	38.	35.778	48.	15.	83.718	9.15	21.6	30.	45.	47.
00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/22/91	12	17.5	17.083	22.	10.	19.174	4.379	10.	13.5	21.	22.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/25/77	22	2.3	2.4	4.	1.	0.69	0.83	1.43	1.8	2.925	4.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/25/77	22	0.76	1.031	3.	0.35	0.556	0.746	0.43	0.5	1.125	2.7
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-03/14/88	45	2.	2.667	14.	0.5	5.648	2.376	0.5	2.	3.	4.4
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-06/15/81	15	6.	6.933	13.	2.5	13.995	3.741	2.5	2.5	11.	12.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/25/77	22 ##	0.05	0.105	1.	0.05	0.041	0.203	0.05	0.05	0.05	0.17
01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/01/90	26 ##	5.	3.746	11.	0.5	6.447	2.539	0.5	0.975	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/68-10/22/91	38 ##	5.	5.137	23.	0.01	15.951	3.994	0.049	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/22/69-10/22/91	4	0.8	3.025	10.	0.5	21.669	4.655	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/13/68-10/22/91	39 ##	5.	7.085	60.	0.25	96.362	9.816	0.6	5.	5.	13.
01045	IRON, TOTAL (UG/L AS FE)	11/13/68-10/22/91	31	380.	423.806	1200.	68.	68678.495	262.066	182.	220.	550.	808.
01051	LEAD, TOTAL (UG/L AS PB)	11/13/68-10/22/91	32 ##	5.	6.291	60.	0.1	103.133	10.155	0.73	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/68-10/22/91	32	70.	91.188	500.	5.	7525.641	86.75	31.5	50.5	94.5	174.
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/68-10/20/86	35 ##	5.	5.771	25.	0.5	16.637	4.079	5.	5.	5.	7.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/68-10/22/91	37	5.	34.614	350.	0.7	5879.749	76.68	4.8	5.	20.	108.
01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/01/90	20 ##	1.	2.525	5.	0.5	4.328	2.08	0.5	1.	5.	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/30/57-07/26/76	49	330.	824.673	16000.	50.	5448789.808	2334.264	80.	135.	490.	1300.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/30/57-07/26/76	49	2.519	2.501	4.204	1.699	0.246	0.495	1.903	2.13	2.69	3.114
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			316.932								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/15/85-09/12/94	37	24.	40.122	260.	2.	2500.27	50.003	4.	8.	51.	100.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/15/85-09/12/94	37	1.38	1.346	2.415	0.301	0.247	0.497	0.602	0.903	1.707	2.
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			22.174								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	73	20.	58.055	790.	2.	10738.025	103.624	8.	10.	70.	154.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/17/63-09/17/84	73	1.301	1.429	2.898	0.301	0.275	0.525	0.903	1.	1.845	2.184
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			26.838								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/23/62-12/09/74	32 ##	0.05	0.122	0.45	0.05	0.017	0.13	0.05	0.05	0.14	0.368
71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-10/20/86	24	0.1	0.217	1.8	0.05	0.131	0.362	0.05	0.05	0.2	0.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0187 Parameter Code: 00095

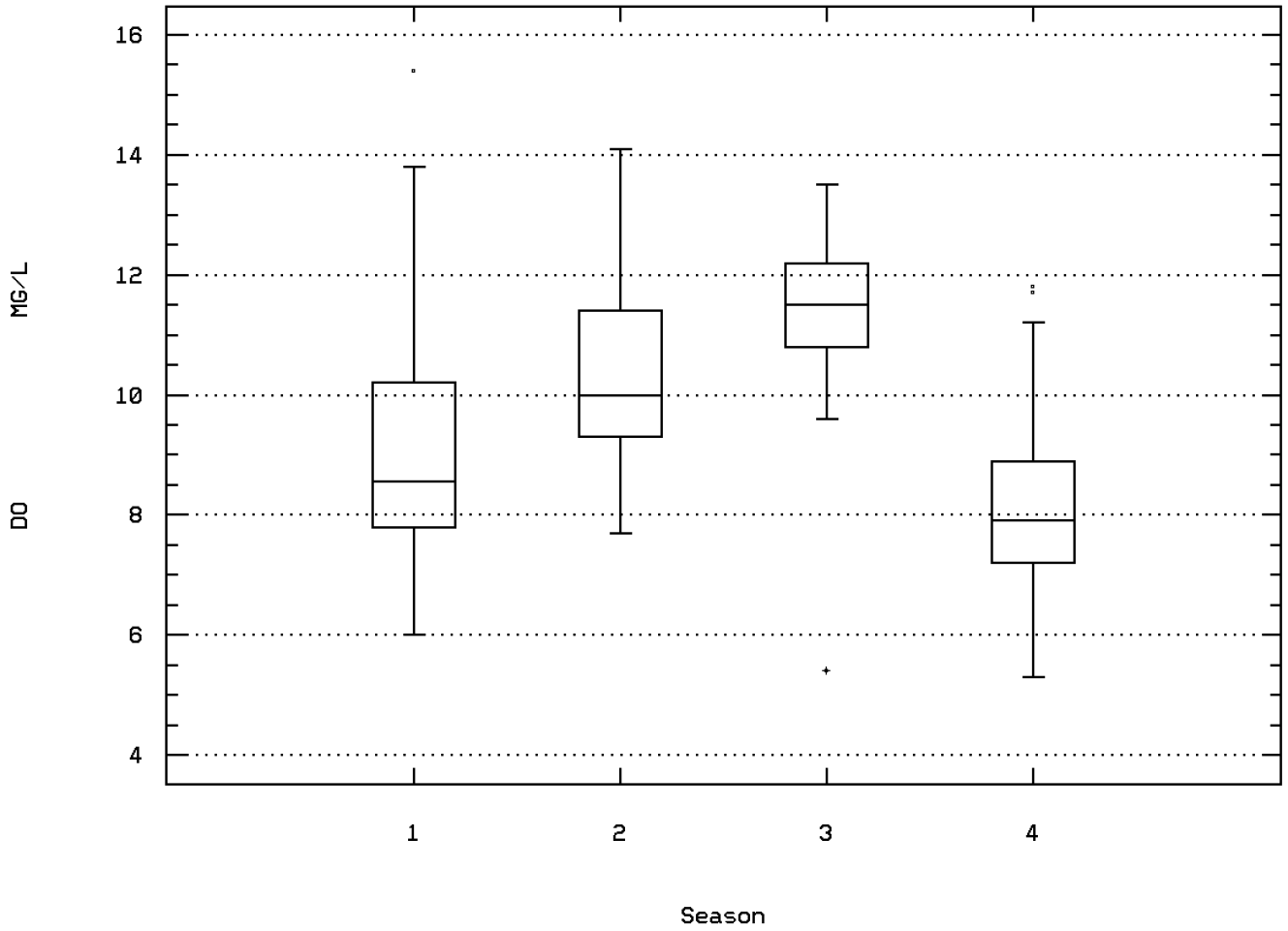
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00300

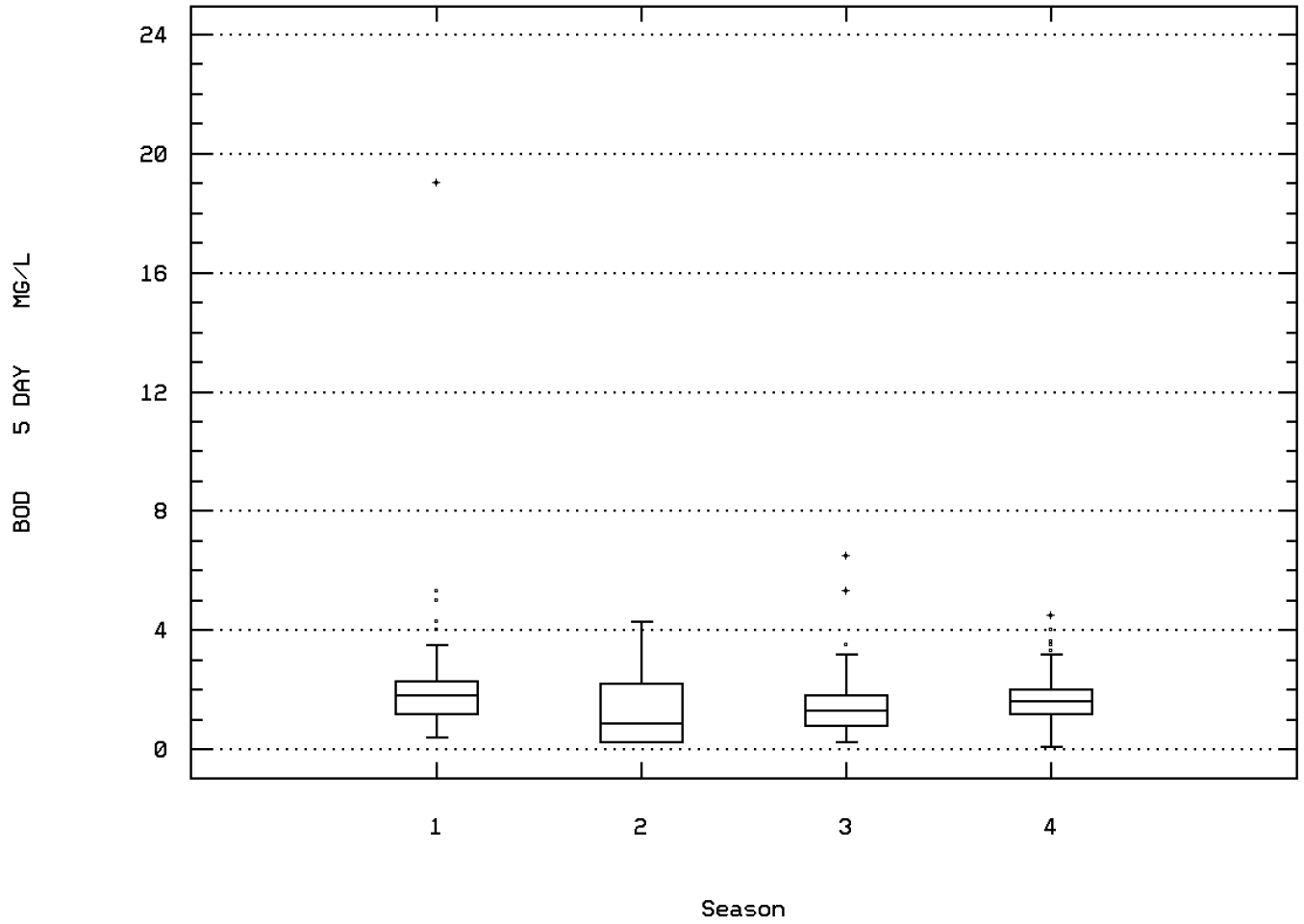
OXYGEN, DISSOLVED



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00310

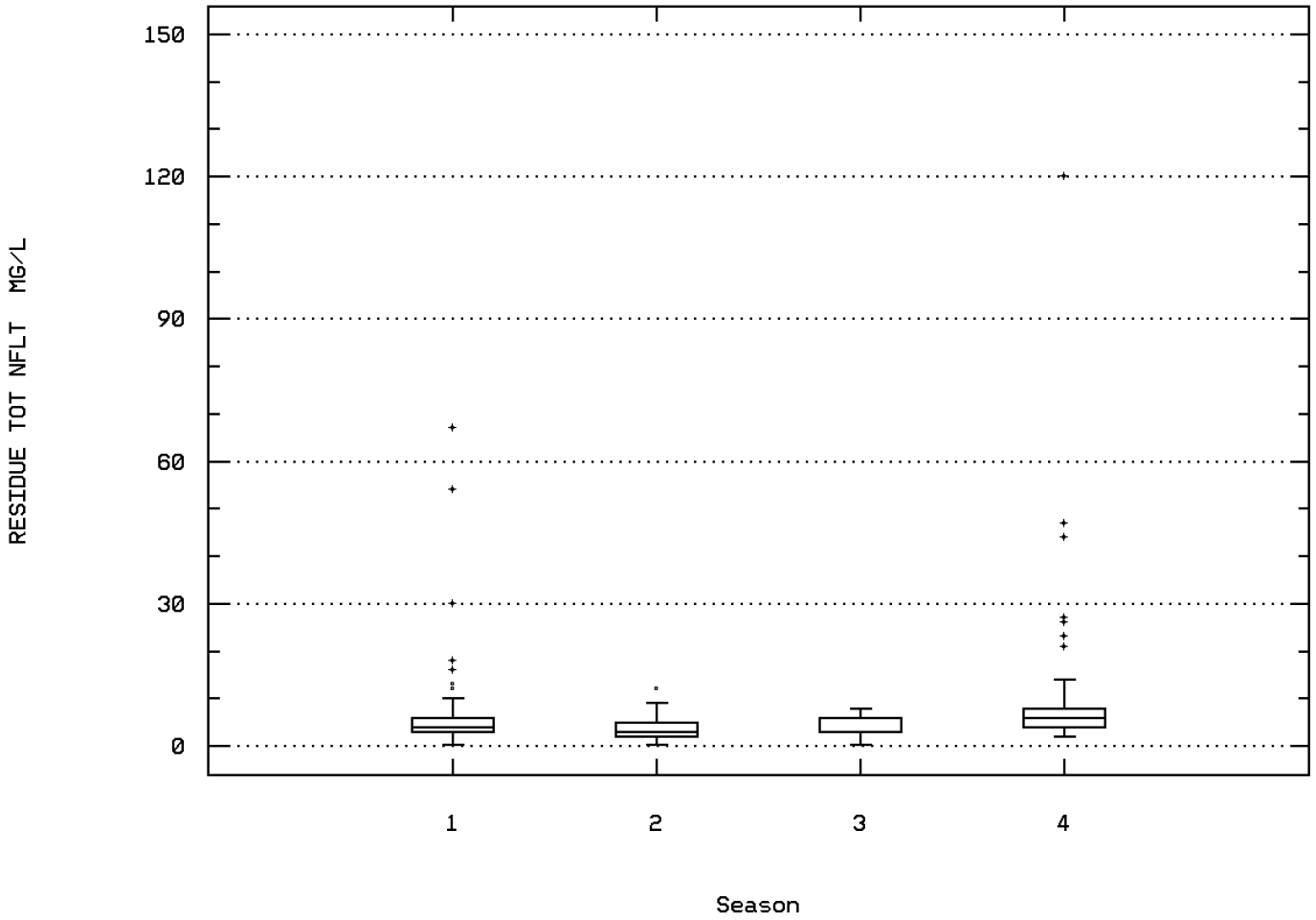
BOD, 5 DAY, 20 DEG C



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00530

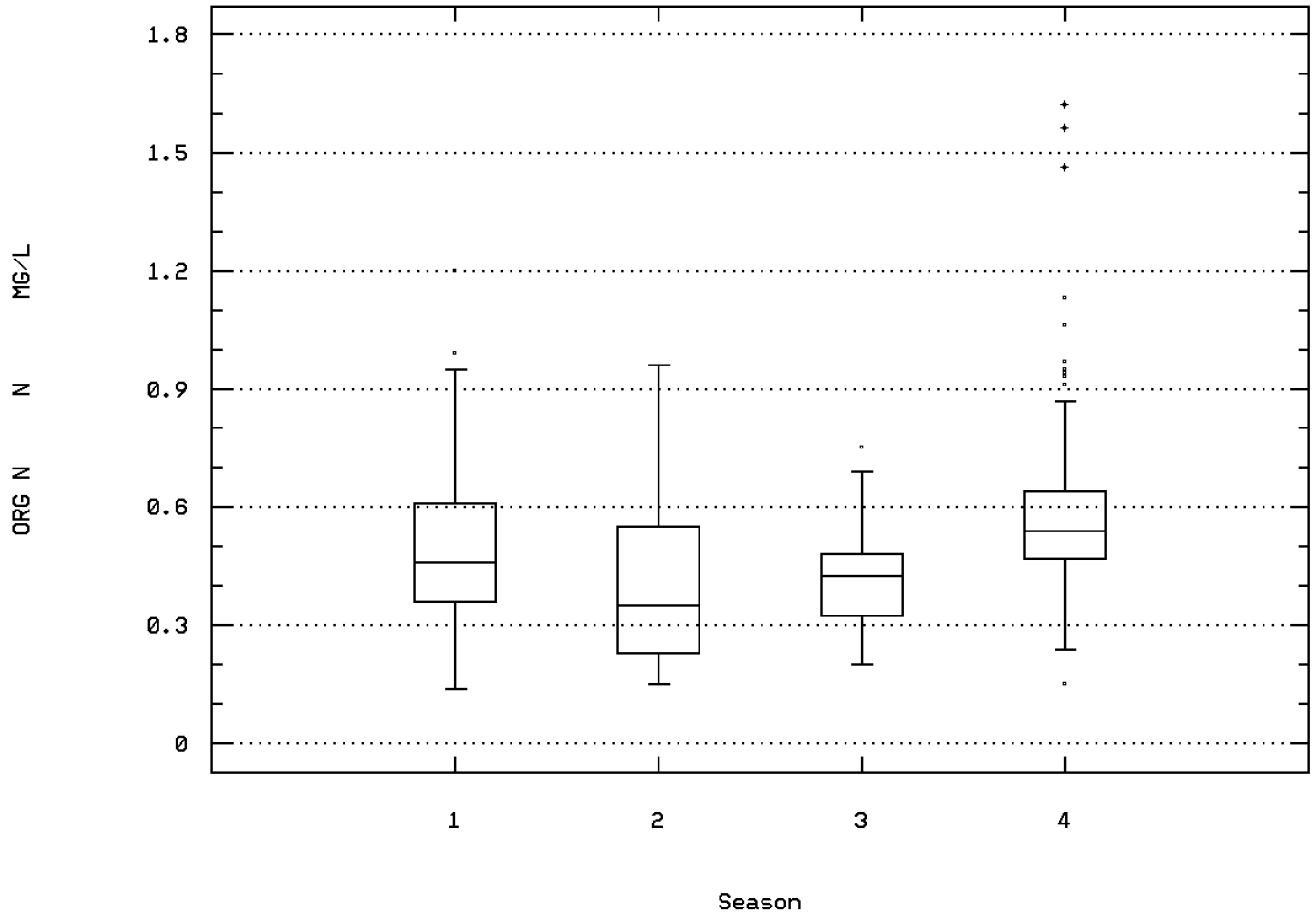
RESIDUE, TOTAL NONFILTRABLE (MG/L)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00605

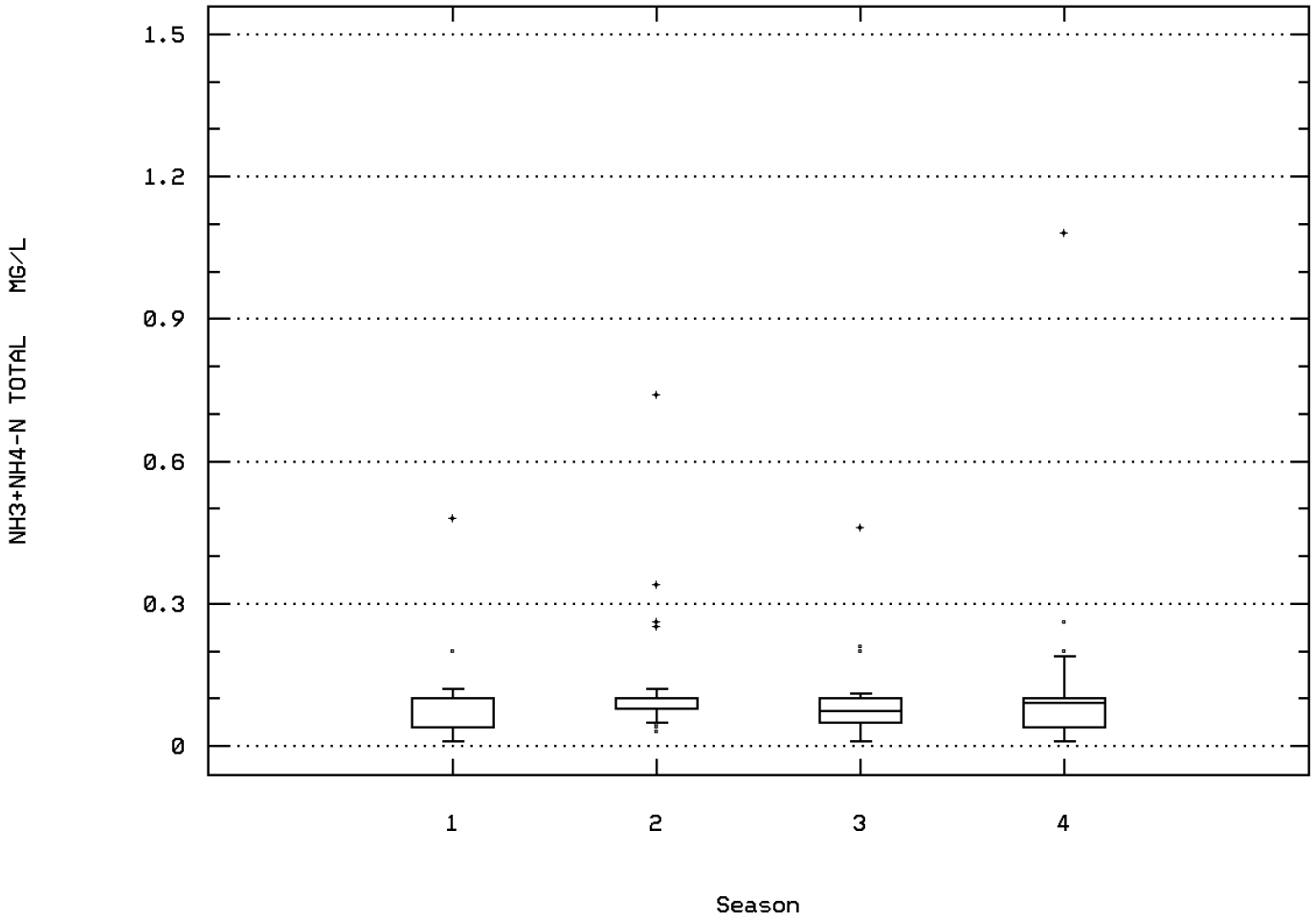
NITROGEN, ORGANIC, TOTAL (MG/L AS N)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00610

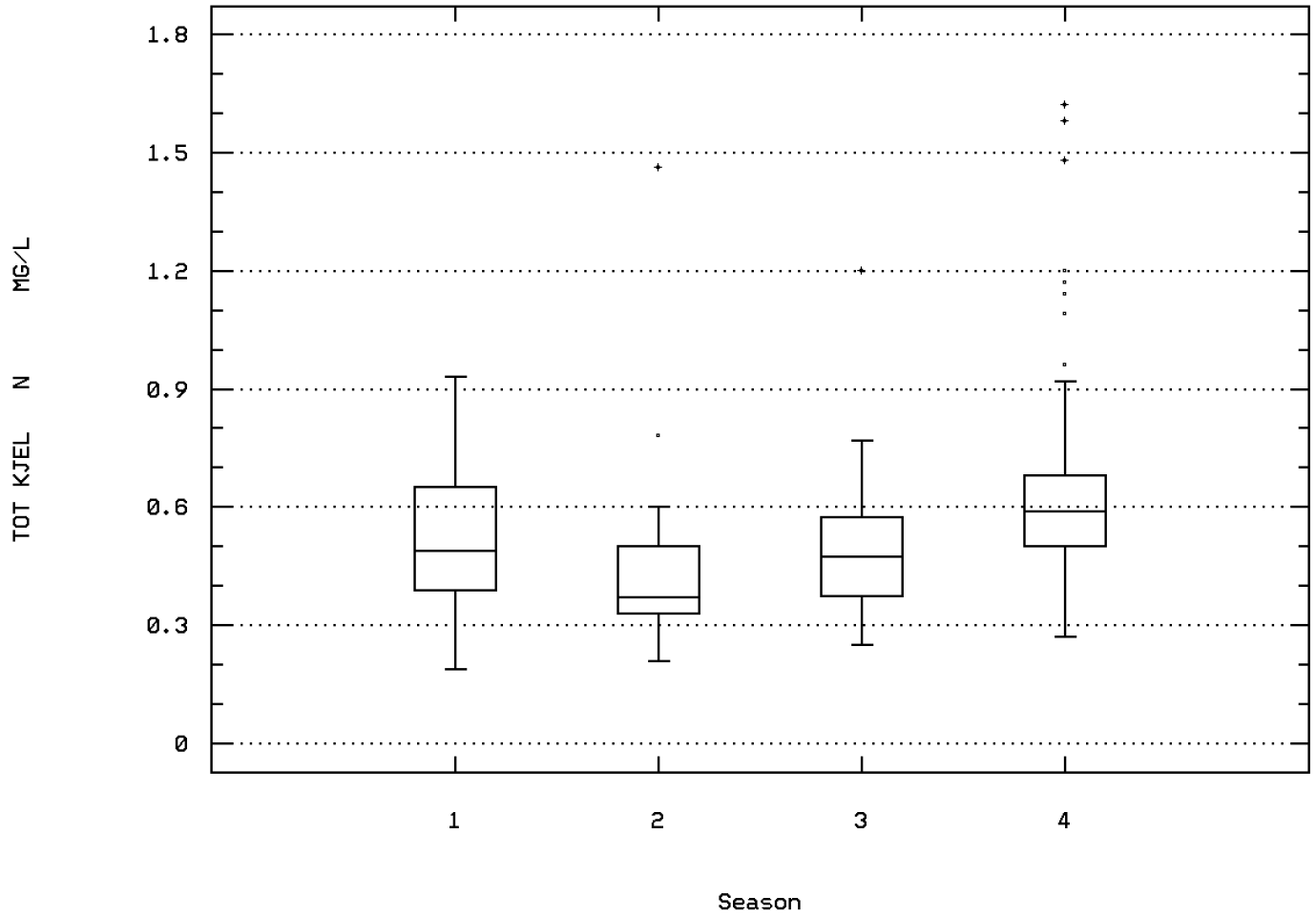
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00625

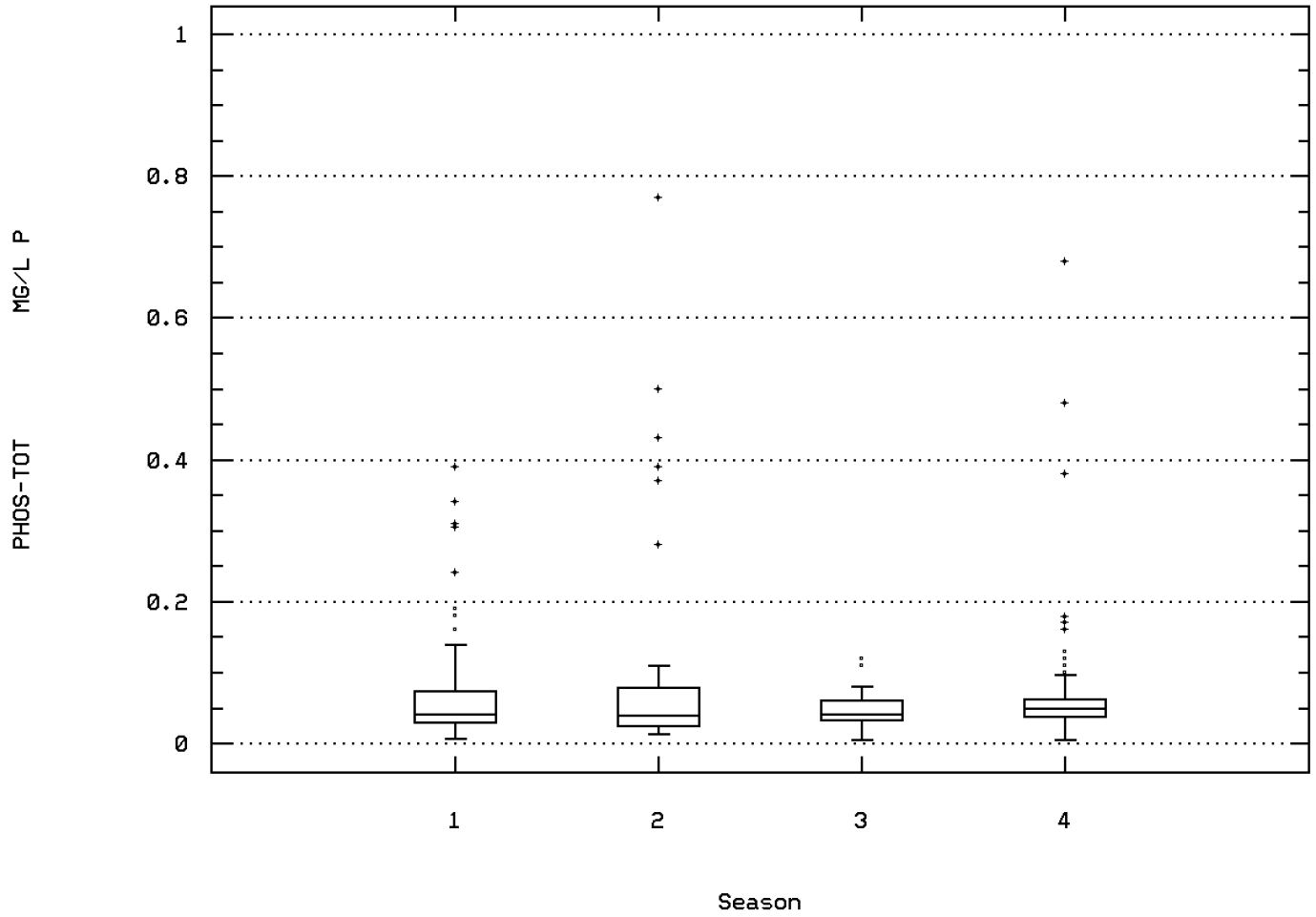
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00665

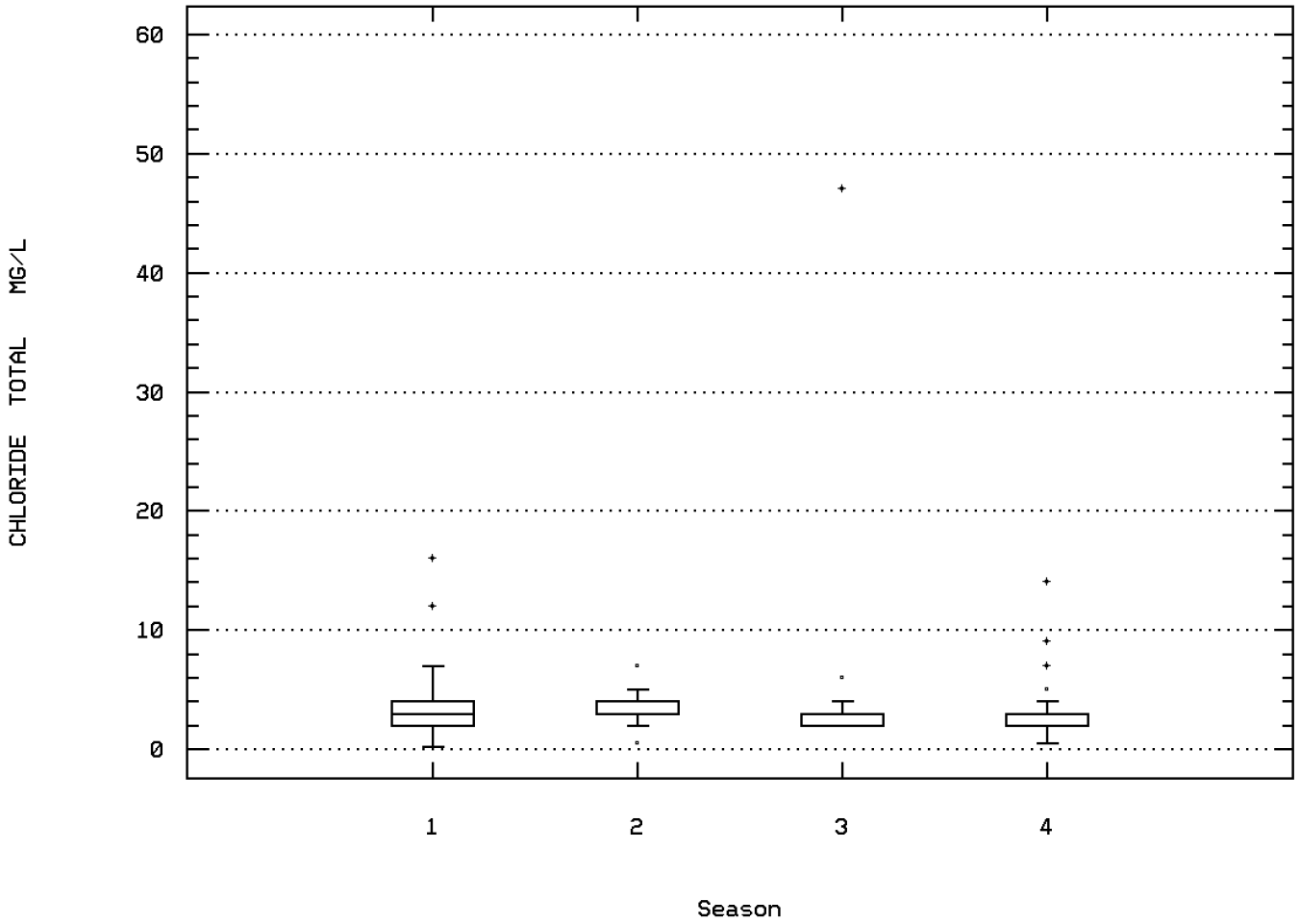
PHOSPHORUS, TOTAL (MG/L AS P)



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station: SACN0187 Parameter Code: 00940

CHLORIDE,TOTAL IN WATER



ST. CROIX R AT MN-48 BR, 3.5 MI W OF DA

Station Inventory for Station: SACN0188

NPS Station ID: SACN0188 LAT/LON: 46.013059/ -92.445560 Agency: 21MINNQ Date Created: 09/17/94
Location: ST. CROIX R AT MN-48 BR, 3.5 MI W OF DANBURY, WI FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/NET STORET Station ID(s): SCSC111BB-15E57/@SSGWG-0056 /SC-111
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030001013 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: ON
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
ST. CROIX RIVER AT THE BRIDGE ON MINNESOTA STATE HIGHWAY 48. THE SITE IS 3.5 MILES WEST OF DANBURY, WISCONSIN AND 23 MILES EAST OF HINCKLEY, MINNESOTA; ST. CROIX RIVER BASIN T41N/R17W/S25 PINE COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE

Parameter Inventory for Station: SACN0188

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0189

NPS Station ID: SACN0189
LAT/LON: 46.041670/ -92.456392
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: KEENE 3 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0015
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 5.3 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 4.9 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0189

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0190

NPS Station ID: SACN0190
LAT/LON: 46.041670/ -92.456392
Agency: 21MINNL
Date Created: 10/08/85
Location: LAKE: KEENE 3 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0015
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 5.3 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 4.9 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 21.70
On/Off RF1:
RF3 Index: 07030001033200.00
RF3 Mile Point: 2.24
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/27/85-08/27/85	1	7.45	7.45	7.45	7.45	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/27/85-08/27/85	1	7.45	7.45	7.45	7.45	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/85-08/27/85	1	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	1	0.78	0.78	0.78	0.78	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	1	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0190

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0191

NPS Station ID: SACN0191 LAT/LON: 46.063892/ -92.459171 Agency: 21MINN Date Created: 12/22/90
Location: UNN STR AT OUTLET BENJAMIN L, 9 MI SW MARKVILLE FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): CS-121 /@SSGWJ-1238 /BENJ-OUT
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030001040 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030001141801.80 RF3 Mile Point: 1.79 Distance from RF3: 0.06 On/Off RF3:
Description:
UNNAMED STREAM AT OUTLET OF BENJAMIN LAKE, 500 FEET WEST OF COUNTY ROAD 173, 9 MILES SOUTHWEST OF MARKVILLE, MINNESOTA;
ST. CROIX RIVER T41N/R17W/S2 PINE COUNTY SAMPLES COLLECTED BY THE MILLE LACS BAND OF THE CHIPPEWA TRIBE AS
PART OF A LAKE WATER QUALITY ASSESSMENT STUDY.

Parameter Inventory for Station: SACN0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/13/90-09/13/90	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/13/90-09/13/90	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/13/90-09/13/90	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/13/90-09/13/90	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/13/90-09/13/90	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/22/90-09/13/90	2	1.02	1.02	1.03	1.01	0.	0.014	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/22/90-09/13/90	2	0.018	0.018	0.02	0.015	0.	0.004	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/22/90-08/22/90	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0191

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0192

NPS Station ID: SACN0192 LAT/LON: 46.063892/ -92.459171 Agency: 21MINNQ Date Created: 09/17/94
Location: UNN STR AT OUTLET BENJAMIN L, 9 MI SW MARKVILLE FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): CS-121 /@SSGWJ-1238 /BENJ-OUT
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030001040 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: OFF
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
UNNAMED STREAM AT OUTLET OF BENJAMIN LAKE, 500 FEET WEST OF COUNTY ROAD 173, 9 MILES SOUTHWEST OF MARKVILLE, MINNESOTA;
ST. CROIX RIVER T41N/R17W/S2 PINE COUNTY SAMPLES COLLECTED BY THE MILLE LACS BAND OF THE CHIPPEWA TRIBE AS
PART OF A LAKE WATER QUALITY ASSESSMENT STUDY.

Parameter Inventory for Station: SACN0192

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0193

NPS Station ID: SACN0193 LAT/LON: 46.063892/ -92.460560 Agency: 21MINNL Date Created: 12/15/90
Location: LAKE: UNNAMED (BENJAMIN) 6 MI SE OF DUXBURY FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO STORET Station ID(s): 58-0190
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: AREA: - HECTARE Elevation: 0 Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 7.6 M ECO Region:
RF1 Index: 07030001040 RF1 Mile Point: 0.000 Distance from RF1: 4.50 On/Off RF1: OFF
RF3 Index: 07030004000100.66 RF3 Mile Point: 2.00 Distance from RF3: 0.30 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/90-09/13/90	19	8.	11.405	21.2	5.5	41.093	6.41	5.5	5.5	19.	21.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/22/90-09/13/90	2	2.35	2.35	2.7	2.	0.245	0.495	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/22/90-08/22/90	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/22/90-09/13/90	2	140.	140.	140.	140.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/13/90-09/13/90	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/90-09/13/90	2	110.	110.	110.	110.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/22/90-09/13/90	19	1.4	2.432	9.2	0.	10.37	3.22	0.	0.	4.2	8.8
00406	PH, FIELD, STANDARD UNITS SU	08/22/90-09/13/90	2	7.275	7.275	7.8	6.75	0.551	0.742	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/22/90-09/13/90	2	7.014	7.014	7.8	6.75	0.688	0.829	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/90-09/13/90	2	0.097	0.097	0.178	0.016	0.013	0.115	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/90-09/13/90	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/22/90-09/13/90	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/22/90-09/13/90	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/22/90-09/13/90	6	1.24	1.517	2.34	1.	0.353	0.594	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/13/90-09/13/90	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/22/90-09/13/90	6	0.105	0.137	0.29	0.029	0.013	0.112	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/22/90-09/13/90	2	1.	1.	1.	1.	0.	0.	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/22/90-09/13/90	2	26.	26.	27.2	24.8	2.88	1.697	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/22/90-09/13/90	2	10.005	10.005	10.4	9.61	0.312	0.559	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/22/90-09/13/90	2	0.011	0.011	0.019	0.002	0.	0.012	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	08/22/90-08/22/90	1	9.	9.	9.	9.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0193

				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	19	14	0.74	19	14	0.74									
00406	PH, FIELD	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0194

NPS Station ID: SACN0194
LAT/LON: 46.063892/ -92.460560
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: UNNAMED (BENJAMIN) 6 MI SE OF DUXBURY
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0190
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: - HECTARE
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 7.6 M
ECO Region:
RF1 Index: 07030001040
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: OFF
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0194

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0195

NPS Station ID: SACN0195 LAT/LON: 46.062505/ -92.461949 Agency: 21MINNQ Date Created: 09/17/94
Location: UNN STREAM AT INLET TO BENJAMIN LAKE, PINE CO. FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): CS-120 /@SSGWJ-1237 /BENJ-IN
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030001040 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: OFF
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
UNNAMED STREAM FROM STEVENS LAKE TO BENJAMIN LAKE AT INLET TO BENJAMIN LAKE, 0.2 MILES WEST OF COUNTY ROAD 173, 9 MILES SOUTHWEST OF MARKVILLE, MINNESOTA; ST. CROIX RIVER T41N/R17W/S2 PINE COUNTY
SAMPLES COLLECTED BY THE MILLE LACS BANDOF THE CHIPPEWA TRIBE AS PART

Parameter Inventory for Station: SACN0195

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0196

NPS Station ID: SACN0196 LAT/LON: 46.062505/ -92.461949 Agency: 21MINN Date Created: 12/22/90
Location: UNN STREAM AT INLET TO BENJAMIN LAKE, PINE CO. FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): CS-120 /@SSGWJ-1237 /BENJ-IN
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030001040 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030001141801.80 RF3 Mile Point: 1.79 Distance from RF3: 0.02 On/Off RF3:
Description:
UNNAMED STREAM FROM STEVENS LAKE TO BENJAMIN LAKE AT INLET TO BENJAMIN LAKE, 0.2 MILES WEST OF COUNTY ROAD 173, 9 MILES SOUTHWEST OF MARKVILLE, MINNESOTA; ST. CROIX RIVER T41N/R17W/S2 PINE COUNTY
SAMPLES COLLECTED BY THE MILLE LACS BANDOF THE CHIPPEWA TRIBE AS PART

Parameter Inventory for Station: SACN0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/13/90-09/13/90	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/13/90-09/13/90	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/13/90-09/13/90	1	7.15	7.15	7.15	7.15	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/13/90-09/13/90	1	7.15	7.15	7.15	7.15	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/13/90-09/13/90	1	0.071	0.071	0.071	0.071	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/22/90-09/13/90	2	1.35	1.35	1.38	1.32	0.002	0.042	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/22/90-09/13/90	2	0.037	0.037	0.037	0.036	0.	0.001	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/22/90-08/22/90	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0196

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0197

NPS Station ID: SACN0197
LAT/LON: 46.060004/ -92.465281
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: STEVENS 3.5 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0009
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 6.1 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 14.6 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0197

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0198

NPS Station ID: SACN0198
LAT/LON: 46.060004/ -92.465281
Agency: 21MINNL
Date Created: 10/08/85
Location: LAKE: STEVENS 3.5 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0009
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 6.1 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 14.6 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 11.10
On/Off RF1:
RF3 Index: 07030001033300.00
RF3 Mile Point: 0.54
Distance from RF3: 0.14
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/27/85-08/27/85	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/27/85-08/27/85	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/85-08/27/85	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	1	1.09	1.09	1.09	1.09	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0198

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0199

NPS Station ID: SACN0199
LAT/LON: 46.053059/ -92.471392
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: GRIEGS 4 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0013
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 21.4 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 20.7 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0199

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0200

NPS Station ID: SACN0200
LAT/LON: 46.053059/ -92.471392
Agency: 21MINNL
Date Created: 10/08/85
Location: LAKE: GRIEGS 4 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0013
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 21.4 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 20.7 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 14.40
On/Off RF1:
RF3 Index: 07030001138502.07
RF3 Mile Point: 2.06
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/27/85-08/27/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/27/85-08/27/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/85-08/27/85	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	1	0.027	0.027	0.027	0.027	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0200

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0201

NPS Station ID: SACN0201
LAT/LON: 46.038616/ -92.476392
Agency: 21MINNL
Date Created: 10/08/85
Location: LAKE: LENA 4 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0018
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 17.8 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 10.1 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 22.40
On/Off RF1:
RF3 Index: 07030001033800.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0201

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/27/85-08/27/85	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/27/85-08/27/85	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/85-08/27/85	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	1	1.69	1.69	1.69	1.69	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0201

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0202

NPS Station ID: SACN0202
LAT/LON: 46.038616/ -92.476392
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: LENA 4 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0018
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 17.8 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 10.1 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0202

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0203

NPS Station ID: SACN0203
LAT/LON: 46.060837/ -92.485838
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: RAZOR 4 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0010
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 40.5 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 11.0 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0203

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0204

NPS Station ID: SACN0204
LAT/LON: 46.060837/ -92.485838
Agency: 21MINNL
Date Created: 10/08/85
Location: LAKE: RAZOR 4 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0010
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 40.5 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 11.0 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 17.80
On/Off RF1:
RF3 Index: 07030001141802.12
RF3 Mile Point: 2.11
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/27/85-08/27/85	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/27/85-08/27/85	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/85-08/27/85	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	1	0.031	0.031	0.031	0.031	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0204

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0205

NPS Station ID: SACN0205
LAT/LON: 45.880559/ -92.487504
Agency: 112WRD
Date Created: / /
Location: CLAM RIVER NEAR WEBSTER, WI
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05335500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001005
RF1 Mile Point: 7.030
Distance from RF1: 3.00
On/Off RF1: OFF
RF3 Index: 07030001002100.61
RF3 Mile Point: 1.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/68-08/24/83	18	13.5	12.583	25.5	2.	68.213	8.259	2.45	4.5	21.	22.35
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/18/83-08/24/83	2	12.75	12.75	22.	3.5	171.125	13.081	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/24/83-08/24/83	1	742.	742.	742.	742.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	06/06/68-06/06/68	1	289.	289.	289.	289.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/75-08/24/83	17	311.	408.471	1550.	128.	128203.265	358.055	128.	155.	560.5	926.
00065	STAGE, STREAM (FEET)	04/18/83-08/24/83	2	8.95	8.95	10.18	7.72	3.026	1.739	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/06/68-06/06/68	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/68-08/24/83	18	165.	157.389	220.	65.	1468.722	38.324	105.5	128.	185.	206.5
00300	OXYGEN, DISSOLVED MG/L	07/22/76-08/24/83	15	9.4	9.447	12.3	7.	3.884	1.971	7.12	7.4	11.2	12.12
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/76-08/25/82	13	87.	90.538	119.	82.	88.269	9.395	82.8	85.5	92.5	109.8
00400	PH (STANDARD UNITS)	06/06/68-08/24/83	17	7.8	7.876	9.1	6.9	0.302	0.549	7.22	7.43	8.12	8.86
00400	CONVERTED PH (STANDARD UNITS)	06/06/68-08/24/83	17	7.8	7.608	9.1	6.9	0.378	0.615	7.22	7.43	8.12	8.86
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/68-08/24/83	17	0.016	0.025	0.126	0.001	0.001	0.03	0.001	0.008	0.037	0.065
00403	PH, LAB, STANDARD UNITS SU	04/16/82-08/24/83	2	7.7	7.7	7.8	7.6	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/82-08/24/83	2	7.689	7.689	7.8	7.6	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/82-08/24/83	2	0.02	0.02	0.025	0.016	0.	0.007	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/23/75-08/18/81	9	1.9	3.933	15.	0.1	24.	4.899	0.1	1.05	6.2	15.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/68-07/09/80	12	82.5	76.917	112.	25.	607.72	24.652	28.9	66.5	92.25	107.5
00440	BICARBONATE ION (MG/L AS HCO3)	06/06/68-04/06/78	7	100.	94.286	136.	31.	1065.571	32.643	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/06/68-04/06/78	6	0.	0.667	4.	0.	2.667	1.633	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/23/75-04/16/82	14	0.82	0.906	2.	0.32	0.208	0.456	0.39	0.54	1.15	1.75
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/23/75-04/16/82	14	0.53	0.666	1.6	0.14	0.163	0.404	0.2	0.393	0.955	1.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/23/75-08/24/83	17	0.06	0.089	0.34	0.005	0.009	0.097	0.009	0.025	0.1	0.284
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/23/75-08/24/83	17 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/23/75-07/09/80	11	0.09	0.147	0.36	0.03	0.014	0.119	0.034	0.05	0.27	0.346
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/23/75-08/24/83	17	0.58	0.728	1.9	0.21	0.197	0.443	0.258	0.455	0.93	1.5
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/23/75-08/24/83	17	0.11	0.14	0.37	0.04	0.01	0.102	0.048	0.05	0.225	0.306
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/19/79-04/19/79	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/23/75-08/24/83	17	0.06	0.055	0.09	0.03	0.	0.017	0.038	0.04	0.065	0.082
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/23/75-08/24/83	14	0.02	0.022	0.08	0.005	0.	0.02	0.005	0.01	0.03	0.06
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/23/75-08/24/83	17	7.1	8.253	23.	3.6	19.383	4.403	4.88	5.55	9.25	15.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/06/68-06/06/68	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/06/68-06/06/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/68-06/06/68	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/68-06/06/68	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/06/68-06/06/68	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/06/68-06/06/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/06/68-06/06/68	1	8.	8.	8.	8.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/06/68-06/06/68	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/06/68-08/24/83	18	2.	1.594	2.	0.1	0.501	0.707	0.1	1.	2.	2.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/68-06/06/68	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/06/68-06/06/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/06/68-06/06/68	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/68-06/06/68	1	40.	40.	40.	40.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/23/75-07/22/76	3	3.	4.	7.	2.	7.	2.646	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/23/75-07/22/76	3	0.477	0.541	0.845	0.301	0.077	0.278	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.476								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/19/77-08/24/83	14	12.5	29.286	130.	2.	1303.143	36.099	3.	4.75	41.	103.5
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	03/19/77-08/24/83	14	1.094	1.176	2.114	0.301	0.29	0.538	0.452	0.675	1.612	2.
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			14.999								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/19/77-08/24/83	14	300.	506.357	1900.	10.	308499.632	555.427	14.5	125.	820.	1600.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/19/77-08/24/83	14	2.477	2.35	3.279	1.	0.5	0.707	1.139	1.978	2.911	3.196
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			223.943								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/23/75-07/22/76	3	33.	61.333	140.	11.	4762.333	69.01	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/23/75-07/22/76	3	1.519	1.569	2.146	1.041	0.307	0.554	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			37.041								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/68-06/06/68	1	91.	91.	91.	91.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/06/68-06/06/68	1	94.	94.	94.	94.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/06/68-06/06/68	1	71.	71.	71.	71.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/06/68-06/06/68	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/05/76-08/24/83	16	36.	44.688	99.	12.	652.229	25.539	15.5	26.25	67.	85.
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/19/79-07/09/80	4	0.075	0.118	0.3	0.02	0.015	0.124	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/06/68-06/06/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	06/06/68-06/06/68	1	350.	350.	350.	350.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/19/79-08/24/83	10	0.12	0.157	0.28	0.12	0.003	0.055	0.12	0.12	0.188	0.273
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/23/75-04/16/82	14	3.65	4.043	8.9	1.4	4.135	2.033	1.7	2.375	5.225	7.7
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/23/75-08/24/83	17	11.	15.471	43.	3.	103.39	10.168	4.6	9.	19.5	33.4
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/23/75-08/25/82	15	8.	21.927	113.	1.1	882.522	29.707	1.94	3.8	37.	75.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0205

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	15	0	0.00	5	0	0.00				4	0	0.00	6	0	0.00
00400	PH	Other-Hi Lim.	9.	17	1	0.06	6	0	0.00				4	0	0.00	7	1	0.14
		Other-Lo Lim.	6.5	17	0	0.00	6	0	0.00				4	0	0.00	7	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00							1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	17	0	0.00	6	0	0.00				5	0	0.00	6	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	3	0	0.00				4	0	0.00	4	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	6	0	0.00				5	0	0.00	6	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	18	0	0.00	6	0	0.00				5	0	0.00	7	0	0.00
		Drinking Water	250.	18	0	0.00	6	0	0.00				5	0	0.00	7	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00										1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	14	0	0.00	5	0	0.00				4	0	0.00	5	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0206

NPS Station ID: SACN0206 LAT/LON: 46.080837/ -92.500005 Agency: 21MINNL Date Created: 10/08/85
Location: LAKE: LITTLE TAMARACK 4 MI W OF MARKVILLE FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO STORET Station ID(s): 58-0028
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: AREA: 24.3 HECTARE M Elevation: 0 Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 9.4 M ECO Region:
RF1 Index: 07030001042 RF1 Mile Point: 1.380 Distance from RF1: 27.60 On/Off RF1: ON
RF3 Index: 07030001033700.00 RF3 Mile Point: 1.02 Distance from RF3: 0.07 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0206

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/85-08/28/85	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/28/85-08/28/85	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/28/85-08/28/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/85-08/28/85	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/28/85-08/28/85	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/28/85-08/28/85	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/85-08/28/85	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/28/85-08/28/85	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/85-08/28/85	1	0.49	0.49	0.49	0.49	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/85-08/28/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/85-08/28/85	1	0.026	0.026	0.026	0.026	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/85-08/28/85	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/85-08/28/85	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	08/28/85-08/28/85	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	08/28/85-08/28/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/85-08/28/85	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/85-08/28/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/85-08/28/85	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-08/28/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0206

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0207

NPS Station ID: SACN0207
LAT/LON: 46.080837/ -92.500005
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: LITTLE TAMARACK 4 MI W OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0028
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 24.3 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 9.4 M
ECO Region:
RF1 Index: 07030001042
RF1 Mile Point: 1.380
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0207

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0208

NPS Station ID: SACN0208
LAT/LON: 46.072503/ -92.505003
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: TAMARACK 4 MI S OF DUXBURY
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/SOLIDS/TISSUE/BIO
STORET Station ID(s): 58-0024
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 30.4 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 14.3 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0208

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0209

NPS Station ID: SACN0209
LAT/LON: 46.072503/ -92.505003
Agency: 21MINNL
Date Created: 06/05/82
Location: LAKE: TAMARACK 4 MI S OF DUXBURY
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/SOLIDS/TISSUE/BIO
STORET Station ID(s): 58-0024
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 30.4 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 14.3 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 8.30
On/Off RF1:
RF3 Index: 07030003007100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.76
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/82-10/22/86	107	9.3	10.855	27.5	0.	26.204	5.119	6.36	8.	12.4	18.4
00023	SAMPLE WEIGHT IN POUNDS	07/29/82-06/21/88	18	1.45	1.7	6.1	0.1	1.989	1.41	0.19	0.9	2.15	3.76
00024	SAMPLE LENGTH IN INCHES	07/29/82-06/21/88	18	18.65	17.35	28.7	5.5	41.614	6.451	6.58	13.05	21.775	25.55
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	77	3.96	4.234	7.2	2.2	0.904	0.951	3.2	3.66	4.685	5.7
00080	COLOR (PLATINUM-COBALT UNITS)	02/08/82-10/22/86	22	10.	11.136	35.	2.5	51.623	7.185	3.25	5.	15.	18.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/08/82-10/22/86	23	20.	20.565	27.	17.	4.621	2.15	17.4	20.	21.	23.2
00300	OXYGEN, DISSOLVED MG/L	10/11/82-10/22/86	105	8.6	7.643	12.4	0.	9.809	3.132	1.18	7.	9.65	10.4
00310	BOD, 5 DAY, 20 DEG C MG/L	10/11/82-09/12/83	9	1.4	1.433	2.6	0.8	0.268	0.517	0.8	1.1	1.6	2.6
00400	PH (STANDARD UNITS)	02/08/82-10/22/86	15	6.8	6.663	7.25	6.	0.129	0.359	6.12	6.4	6.95	7.1
00400	CONVERTED PH (STANDARD UNITS)	02/08/82-10/22/86	15	6.8	6.522	7.25	6.	0.151	0.388	6.12	6.4	6.95	7.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/08/82-10/22/86	15	0.158	0.301	1.	0.056	0.071	0.267	0.082	0.112	0.398	0.779
00403	PH, LAB, STANDARD UNITS SU	02/08/82-10/25/84	16	6.7	6.831	7.6	6.2	0.124	0.352	6.41	6.625	7.1	7.46
00403	CONVERTED PH, LAB, STANDARD UNITS	02/08/82-10/25/84	16	6.7	6.716	7.6	6.2	0.138	0.371	6.41	6.625	7.1	7.46
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/08/82-10/25/84	16	0.2	0.192	0.631	0.025	0.021	0.143	0.035	0.079	0.238	0.411
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/08/82-09/12/83	11	6.	6.	9.	3.	2.	1.414	3.4	6.	6.	8.6
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	02/08/82-10/22/86	16	6.	7.063	18.	4.	12.063	3.473	4.7	5.	7.	13.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/11/82-09/12/83	9	2.	2.339	7.	0.25	4.184	2.045	0.25	0.9	3.	7.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/11/82-09/12/83	9	0.56	0.552	0.72	0.37	0.011	0.106	0.37	0.46	0.62	0.72
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/11/82-09/12/83	9	0.11	0.124	0.25	0.06	0.004	0.062	0.06	0.08	0.16	0.25
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/08/82-10/22/86	23	0.63	0.651	1.02	0.48	0.016	0.126	0.496	0.57	0.74	0.806
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/08/82-10/22/86	23	0.01	0.035	0.14	0.005	0.002	0.042	0.005	0.005	0.05	0.116
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/08/82-10/22/86	22	0.023	0.024	0.06	0.005	0.	0.014	0.006	0.013	0.03	0.051
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/03/82-10/22/86	6	6.	6.8	12.	4.9	7.108	2.666	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/08/82-10/22/86	23	8.	7.913	15.	6.	2.901	1.703	7.	7.	8.	9.
00910	CALCIUM (MG/L AS CACO3)	02/08/82-10/22/86	23	4.6	4.865	12.	3.6	2.641	1.625	3.84	4.3	4.9	5.48
00920	MAGNESIUM (MG/L AS CACO3)	02/08/82-10/22/86	23	3.	2.974	3.5	2.1	0.094	0.306	2.48	2.8	3.1	3.36
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/01/83-06/01/83	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/08/82-10/22/86	14 ##	0.25	0.332	0.7	0.25	0.027	0.165	0.25	0.25	0.338	0.65
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/08/82-10/22/86	14	0.7	0.696	1.1	0.25	0.045	0.212	0.375	0.6	0.825	1.05
00940	CHLORIDE,TOTAL IN WATER MG/L	02/08/82-10/22/86	14 ##	0.25	0.35	0.7	0.25	0.03	0.173	0.25	0.25	0.5	0.7
00945	SULFATE, TOTAL (MG/L AS SO4)	02/08/82-07/11/91	24	2.	2.292	5.	1.	0.824	0.908	1.5	2.	2.	4.
01019	CADMIUM (CD), BOTTOM DEPOSITS, TOTAL, WET WT,MG/KG	06/01/83-06/01/83	1 ##	40.	40.	40.	40.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/03/82-06/01/83	2 ##	0.023	0.023	0.04	0.005	0.001	0.025	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/01/83-06/01/83	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/01/83-06/01/83	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/03/82-06/01/83	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/03/82-06/01/83	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/01/83-06/01/83	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	06/03/82-06/01/83	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/01/83-06/01/83	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/82-06/01/83	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/01/83-06/01/83	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	07/29/82-07/29/82	2	0.23	0.23	0.26	0.2	0.002	0.042	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/08/82-05/31/84	16	21.5	33.969	120.	2.5	1000.216	31.626	7.05	14.25	46.	100.4
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	06/01/83-06/01/83	1	940.	940.	940.	940.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/11/82-09/12/83	9 ##	10.	65.556	490.	10.	25352.778	159.226	10.	10.	20.	490.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/11/82-09/12/83	9 ##	1.	1.255	2.69	1.	0.307	0.554	1.	1.	1.301	2.69
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.976								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/16/82-08/28/84	2	5.29	5.29	6.09	4.49	1.28	1.131	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	06/01/83-06/01/83	1	91.	91.	91.	91.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	02/08/82-09/12/83	13 ##	0.05	0.062	0.2	0.05	0.002	0.042	0.05	0.05	0.05	0.14
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/01/83-06/01/83	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/29/82-06/21/88	15	0.34	0.402	0.75	0.24	0.024	0.154	0.252	0.29	0.57	0.66
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/29/82-07/03/85	3 ##	0.1	0.072	0.1	0.015	0.002	0.049	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/29/82-07/29/82	2	0.415	0.415	0.44	0.39	0.001	0.035	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	07/29/82-07/29/82	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/29/82-07/03/85	3	0.02	0.021	0.04	0.004	0.	0.018	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/29/82-06/21/88	18	2.	2.889	6.	1.	4.34	2.083	1.	1.	5.	6.
81666	ALUMINUM IN FISH TISSUE WET WEIGHT MG/KG	07/29/82-07/29/82	2	0.65	0.65	0.7	0.6	0.005	0.071	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	08/28/84-10/22/86	4	43.	43.	46.	40.	6.	2.449	**	**	**	**
82005	PERCENT TOTAL CARBON(INORG.&ORG.) IN SED DRY WGT	06/01/83-06/01/83	1	52.8	52.8	52.8	52.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0209

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	105	15	0.14	58	9	0.16	1	0	0.00	2	0	0.00	44	6	0.14
00400	PH	Other-Hi Lim.	9.	15	0	0.00	9	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00
		Other-Lo Lim.	6.5	15	5	0.33	9	3	0.33	1	0	0.00	1	1	1.00	4	1	0.25
00403	PH, LAB	Other-Hi Lim.	9.	16	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00	7	0	0.00
		Other-Lo Lim.	6.5	16	2	0.13	5	1	0.20	2	0	0.00	2	1	0.50	7	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	23	0	0.00	10	0	0.00	2	0	0.00	2	0	0.00	9	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	14	0	0.00	8	0	0.00	1	0	0.00				5	0	0.00
		Drinking Water	250.	14	0	0.00	8	0	0.00	1	0	0.00				5	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	24	0	0.00	10	0	0.00	2	0	0.00	2	0	0.00	10	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00										2	0	0.00
		Drinking Water	5.	2	0	0.00										2	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00										2	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00										2	0	0.00
		Drinking Water	1300.	2	0	0.00										2	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00										2	0	0.00
		Drinking Water	15.	2	0	0.00										2	0	0.00
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	1	0.11	2	0	0.00	1	0	0.00	2	0	0.00	4	1	0.25
71900	MERCURY, TOTAL	Fresh Acute	2.4	13	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	2.	13	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00	6	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1982 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/82-10/22/86	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	2	4.55	4.55	5.7	3.4	2.645	1.626	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/11/82-10/22/86	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/82-10/22/86	21	9.	11.129	27.5	0.	54.932	7.412	0.8	8.65	15.25	25.
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	2	4.45	4.45	5.7	3.2	3.125	1.768	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/11/82-10/22/86	20	8.9	8.49	12.4	0.6	4.773	2.185	7.12	7.925	9.	10.36

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/82-10/22/86	34	9.5	12.221	25.	6.5	33.503	5.788	7.	8.	17.125	23.
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	3	3.4	3.733	4.8	3.	0.893	0.945	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/11/82-10/22/86	35	8.	6.109	10.1	0.	13.581	3.685	0.	2.2	8.7	9.78

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/82-10/22/86	26	9.2	9.165	20.	5.	10.558	3.249	5.35	6.75	9.85	13.
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	3	3.4	4.6	7.2	3.2	5.08	2.254	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/11/82-10/22/86	25	9.9	8.764	10.4	0.2	5.311	2.305	5.88	7.8	10.2	10.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/11/82-10/22/86	24	9.55	10.5	17.1	6.4	7.18	2.68	7.7	9.125	11.725	15.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	2	2.65	2.65	3.1	2.2	0.405	0.636	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/11/82-10/22/86	24	8.35	7.967	12.	0.5	9.072	3.012	2.9	6.55	9.975	11.55

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	3	3.66	3.507	3.66	3.2	0.071	0.266	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	7	3.96	4.027	4.27	3.66	0.046	0.213	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	7	4.42	4.507	6.71	2.9	1.833	1.354	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	13	3.66	4.445	6.4	3.35	1.513	1.23	3.35	3.51	5.795	6.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	12	4.27	4.369	6.25	3.66	0.424	0.651	3.75	3.96	4.533	5.746

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	12	3.96	3.948	4.57	3.66	0.064	0.254	3.66	3.698	4.073	4.432

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	11	4.88	4.533	5.49	3.66	0.4	0.633	3.66	3.81	4.88	5.428

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	28	3.66	3.62	4.57	2.2	0.203	0.451	3.18	3.4	3.96	4.126
00945	SULFATE, TOTAL (MG/L AS SO4)	02/08/82-07/11/91	10	2.	2.3	5.	1.	1.122	1.059	1.1	2.	2.25	4.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	02/08/82-07/11/91	2	3.	3.	4.	2.	2.	1.414	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	02/08/82-07/11/91	2	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/03/82-09/17/94	49	4.27	4.585	7.2	2.9	0.971	0.986	3.66	3.96	5.18	6.25
00945	SULFATE, TOTAL (MG/L AS SO4)	02/08/82-07/11/91	10	2.	2.2	4.	1.	0.622	0.789	1.1	2.	2.25	3.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0210

NPS Station ID: SACN0210
LAT/LON: 46.042504/ -92.517782
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: McGOWAN 5 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0012
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 8.5 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 7.3 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0210

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0211

NPS Station ID: SACN0211
LAT/LON: 46.042504/ -92.517782
Agency: 21MINNL
Date Created: 10/08/85
Location: LAKE: McGOWAN 5 MI SW OF MARKVILLE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0012
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 8.5 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 7.3 M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 16.00
On/Off RF1:
RF3 Index: 07030001033100.00
RF3 Mile Point: 0.42
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0211

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/85-08/28/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/28/85-08/28/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/28/85-08/28/85	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/85-08/28/85	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/28/85-08/28/85	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/28/85-08/28/85	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/85-08/28/85	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/28/85-08/28/85	1	87.	87.	87.	87.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/85-08/28/85	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/85-08/28/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/85-08/28/85	1	0.041	0.041	0.041	0.041	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/85-08/28/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/85-08/28/85	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	08/28/85-08/28/85	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	08/28/85-08/28/85	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/85-08/28/85	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/85-08/28/85	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/85-08/28/85	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-08/28/85	1	4.	4.	4.	4.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0211

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0212

NPS Station ID: SACN0212
LAT/LON: 46.011392/ -92.529448
Agency: 112WRD
Date Created: / /
Location: CROOKED CREEK NEAR HINCKLEY, MN
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05335170
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001043
RF1 Mile Point: 2.630
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030004000100.66
RF3 Mile Point: 2.58
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0212

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/07/67-09/07/67	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/07/67-09/07/67	1	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0213

NPS Station ID: SACN0213
LAT/LON: 45.950004/ -92.551116
Agency: 21MINNQ
Date Created: 09/17/94
Location: ST CROIX R AT CLAM R
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): SC124 /SC-108
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001012
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST. CROIX RIVER T40NR18WS14 PINE COUNTY Fish were collected by the Minnesota Department of Natural Resources
for analysis of toxics in tissue.

Parameter Inventory for Station: SACN0213

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0214

NPS Station ID: SACN0214
LAT/LON: 45.950004/ -92.551116
Agency: 21MINN
Date Created: 02/12/94
Location: ST CROIX R AT CLAM R
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): SC124 /SC-108
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030001012
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST. CROIX RIVER T40NR18WS14 PINE COUNTY Fish were collected by the Minnesota Department of Natural Resources for analysis of toxics in tissue.

Parameter Inventory for Station: SACN0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	08/19/91-08/19/91	10	1.55	3.15	9.3	0.7	8.865	2.977	0.71	0.8	5.75	8.96
00024	SAMPLE LENGTH IN INCHES	08/19/91-08/19/91	10	16.05	18.	27.3	11.	32.047	5.661	11.17	12.775	22.85	27.08
04263	INVALID PARAMETER	08/19/91-08/19/91	10	910822.	910822.	910822.	910822.	0.	0.	910822.	910822.	910822.	910822.
34670	PCB - 1260 WET WGTTISMG/KG	08/19/91-08/19/91	9	## 0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
34690	PCB - 1254 WET WGTTISMG/KG	08/19/91-08/19/91	10	## 0.005	0.006	0.019	0.005	0.	0.004	0.005	0.005	0.005	0.018
39105	PERCENT FAT HEXANE EXTRACTION	08/19/91-08/19/91	10	1.8	3.09	11.	0.3	11.385	3.374	0.32	0.5	4.875	10.44
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/19/91-08/19/91	10	## 0.005	0.006	0.019	0.005	0.	0.004	0.005	0.005	0.005	0.018
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/19/91-08/19/91	10	0.25	0.238	0.39	0.11	0.009	0.096	0.112	0.153	0.303	0.388
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/19/91-08/19/91	10	4.5	4.2	8.	1.	7.289	2.7	1.	1.	6.25	7.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0215

NPS Station ID: SACN0215 LAT/LON: 45.373337/ -92.559726 Agency: 21WITIS Date Created: 08/01/87
Location: SAND LAKE FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/LAKE/TISSUE STORET Station ID(s): 495004 /6270MA495004/3318W025004 /2495000
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07030005151600.00 RF3 Mile Point: 0.50 Distance from RF3: 0.06 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/23/86-09/23/86	7	1.5	1.521	1.76	1.26	0.029	0.172	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/23/86-09/23/86	7	17.	16.929	17.8	15.5	0.572	0.757	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/23/86-09/23/86	7	0.26	0.263	0.32	0.21	0.002	0.044	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0216

NPS Station ID: SACN0216 | LAT/LON: 45.289003/ -92.561170 | Agency: 21WIL | Date Created: 08/29/92
Location: MUD LAKE | FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 494014 /6270AG494014/3213W024014
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 12 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 26.60 | On/Off RF1:
RF3 Index: 07030001006703.42 | RF3 Mile Point: 3.48 | Distance from RF3: 0.08 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/09/79-08/09/79	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/09/79-08/09/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/09/79-08/09/79	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/09/79-08/09/79	1	148.	148.	148.	148.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/09/79-08/09/79	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/09/79-08/09/79	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/09/79-08/09/79	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/09/79-08/09/79	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/09/79-08/09/79	1	2.57	2.57	2.57	2.57	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/09/79-08/09/79	1	2.28	2.28	2.28	2.28	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/09/79-08/09/79	1	0.091	0.091	0.091	0.091	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/09/79-08/09/79	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/09/79-08/09/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/09/79-08/09/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/09/79-08/09/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/79-08/09/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/09/79-08/09/79	1	300.	300.	300.	300.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/09/79-08/09/79	1	78.07	78.07	78.07	78.07	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/09/79-08/09/79	1	0.94	0.94	0.94	0.94	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0216

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0216

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0217

NPS Station ID: SACN0217
LAT/LON: 45.283337/ -92.565281
Agency: 21WIS
Date Created: 08/28/82
Location: HORSE CR 2.2 MI SOUTH OF HORSE L
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 493046 /6270AC493046/3218W023046
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 15
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005017
RF1 Mile Point: 9.230
Distance from RF1: 17.60
On/Off RF1: OFF
RF3 Index: 07030005004300.85
RF3 Mile Point: 1.50
Distance from RF3: 0.01
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 HORSE CREEK @ E-W TWN RD X-ING 1 MI SOUTH OF CTH K. BIOTIC INDEX SURV EY (NON-POINT) SAMPLING SITE 1980.

Parameter Inventory for Station: SACN0217

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0218

NPS Station ID: SACN0218 | LAT/LON: 45.230726/ -92.579366 | Agency: 21WIS | Date Created: / /
Location: HORSE CREEK | FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 493127 /6270RE493127/BB23218W27
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER | Elevation: 0 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005017 | RF1 Mile Point: 4.060 | Distance from RF1: 28.80 | On/Off RF1: OFF
RF3 Index: 07030005211001.77 | RF3 Mile Point: 1.76 | Distance from RF3: 0.19 | On/Off RF3:
Description:
HORSE CREEK CULVERT ON LAKE FRONTAGE ROAD AT NORTH END OF LAKE. CEDAR LAKE INLET.

Parameter Inventory for Station: SACN0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	11/06/73-10/08/74	5	45.	47.1	73.	32.	273.55	16.539	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	02/08/75-02/08/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/12/73-02/08/75	7	3.6	3.643	7.3	2.	3.23	1.797	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/73-02/08/75	7	218.	220.571	298.	146.	2795.952	52.877	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/06/73-02/08/75	6	8.15	8.4	12.9	5.4	8.596	2.932	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/73-02/08/75	7	7.8	7.9	8.6	7.6	0.113	0.337	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/73-02/08/75	7	7.8	7.82	8.6	7.6	0.121	0.348	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/73-02/08/75	7	0.016	0.015	0.025	0.003	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/12/73-02/08/75	7	118.	105.714	122.	65.	446.238	21.124	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	7	1.41	1.476	1.88	1.1	0.072	0.268	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/12/73-02/08/75	7	0.82	0.69	1.06	0.29	0.086	0.294	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/12/73-02/08/75	7	0.09	0.14	0.32	0.	0.023	0.151	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	7	0.01	0.011	0.017	0.006	0.	0.004	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	7	0.67	0.633	0.85	0.42	0.027	0.165	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-02/08/75	7	0.06	0.059	0.1	0.02	0.001	0.023	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/12/73-02/08/75	7	28.9	30.143	43.	13.	107.246	10.356	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/12/73-02/08/75	7	14.	16.086	26.	10.1	42.168	6.494	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/12/73-02/08/75	7	3.5	3.357	6.	0.	4.56	2.135	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/12/73-02/08/75	7	1.1	1.586	3.3	0.	1.401	1.184	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/73-02/08/75	7	3.	3.286	4.	2.	0.571	0.756	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/73-02/08/75	7	8.	7.429	11.	4.	8.286	2.878	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/73-02/08/75	7	0.028	0.034	0.064	0.017	0.	0.015	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0218

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	7	0	0.00	3	0	0.00	2	0	0.00				2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	6	0	0.00	2	0	0.00	2	0	0.00				2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	7	0	0.00	3	0	0.00	2	0	0.00				2	0	0.00
		Other-Lo Lim.	6.5	7	0	0.00	3	0	0.00	2	0	0.00				2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0218

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	3	0	0.00	2	0	0.00				2	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	3	0	0.00	2	0	0.00				2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	3	0	0.00	2	0	0.00				2	0	0.00
		Drinking Water	250.	7	0	0.00	3	0	0.00	2	0	0.00				2	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	3	0	0.00	2	0	0.00				2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0219

NPS Station ID: SACN0219
LAT/LON: 45.216670/ -92.583338
Agency: 21WIL
Date Created: 08/29/92
Location: CEDAR LAKE
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 494028 /6270RA494028/ 3218W
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 32
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005017
RF1 Mile Point: 3.210
Distance from RF1: 10.40
On/Off RF1: ON
RF3 Index: 07030005071600.00
RF3 Mile Point: 3.86
Distance from RF3: 0.09
On/Off RF3:
Description:
CEDAR LAKE AT GREATEST DEPTH.
BUREAU OF RESEARCH R LILLIE RANDOM LAKE SURVEY

Parameter Inventory for Station: SACN0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/09/79-08/09/79	2	68.	68.	68.	68.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/09/79-08/09/79	2	17.	17.	19.	15.	8.	2.828	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/09/79-08/09/79	2	54.	54.	54.	54.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/09/79-08/09/79	2	152.5	152.5	171.	134.	684.5	26.163	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/09/79-08/09/79	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/09/79-08/09/79	2	9.1	9.1	9.2	9.	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/09/79-08/09/79	2	9.089	9.089	9.2	9.	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/09/79-08/09/79	2	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/09/79-08/09/79	2	58.	58.	66.	50.	128.	11.314	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/09/79-08/09/79	2	1.37	1.37	1.66	1.08	0.168	0.41	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/09/79-08/09/79	2	0.875	0.875	0.88	0.87	0.	0.007	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	2	0.455	0.455	0.75	0.16	0.174	0.417	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	2	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/09/79-08/09/79	2	0.119	0.119	0.17	0.068	0.005	0.072	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/09/79-08/09/79	2	0.049	0.049	0.079	0.019	0.002	0.042	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/09/79-08/09/79	2	21.5	21.5	22.	21.	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/09/79-08/09/79	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/09/79-08/09/79	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/09/79-08/09/79	2	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/79-08/09/79	2	3.	3.	3.	3.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/09/79-08/09/79	2	585.	585.	1090.	80.	510050.	714.178	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/09/79-08/09/79	2	29.86	29.86	29.86	29.86	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/09/79-08/09/79	2	0.355	0.355	0.43	0.28	0.011	0.106	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0219

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00										2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0219

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	2	2	1.00										2	2	1.00
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00										2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0220

NPS Station ID: SACN0220
LAT/LON: 45.216670/ -92.583338
Agency: 21WIS
Date Created: / /
Location: CEDAR LAKE
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 493128 /6270RA493128/ 3218W
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 32
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005017
RF1 Mile Point: 3.210
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005001703.44
RF3 Mile Point: 3.55
Distance from RF3: 0.01
On/Off RF3:
Description:
CEDAR LAKE AT GREATEST DEPTH.

Parameter Inventory for Station: SACN0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/90-11/25/90	29	22.1	17.221	23.5	4.5	67.092	8.191	4.5	4.5	22.85	23.2
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/73-02/08/75	17	48.	51.206	77.	32.	234.096	15.3	32.4	38.75	69.5	73.
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/12/73-02/08/75	8	37.5	37.625	78.	0.	905.411	30.09	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/12/73-02/08/75	17	3.3	4.3	14.5	0.9	14.964	3.868	1.14	1.85	4.3	12.5
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/12/73-02/08/75	8	95.5	113.625	200.	70.	1848.554	42.995	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/73-02/08/75	17	219.	197.235	253.	2.	3694.191	60.78	105.2	178.	237.	252.2
00300	OXYGEN, DISSOLVED MG/L	09/12/73-10/15/90	38	7.	5.611	12.1	0.	17.497	4.183	0.	0.775	9.25	10.01
00403	PH, LAB, STANDARD UNITS SU	09/12/73-02/08/75	17	8.	8.094	8.7	7.6	0.119	0.345	7.68	7.85	8.45	8.62
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/73-02/08/75	17	8.	7.984	8.7	7.6	0.132	0.364	7.68	7.85	8.45	8.62
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/73-02/08/75	17	0.01	0.01	0.025	0.002	0.	0.007	0.002	0.004	0.014	0.021
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/12/73-02/08/75	17	111.	111.941	144.	63.	354.059	18.816	81.4	103.5	125.	132.8
00600	NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	17	1.15	1.128	2.02	0.59	0.117	0.342	0.726	0.81	1.305	1.636
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/12/73-02/08/75	17	0.72	0.678	1.08	0.28	0.054	0.231	0.32	0.48	0.795	1.064
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/12/73-06/22/94	67	0.131	0.157	0.443	0.	0.014	0.12	0.02	0.059	0.252	0.347
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	17	0.005	0.006	0.016	0.	0.	0.005	0.	0.002	0.009	0.014
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/08/75	17	0.26	0.269	1.16	0.	0.082	0.287	0.	0.055	0.325	0.672
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/11/92-07/21/92	20	0.65	0.815	1.6	0.3	0.156	0.395	0.41	0.5	1.175	1.49
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/92-07/08/94	26	0.8	0.888	2.1	0.5	0.121	0.348	0.57	0.7	0.925	1.39
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/11/92-06/08/94	42	0.015	0.031	0.2	0.004	0.001	0.039	0.004	0.004	0.05	0.07
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-07/08/94	66	0.07	0.182	3.91	0.007	0.258	0.508	0.012	0.04	0.12	0.289
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/01/90-07/08/94	176	0.032	0.093	1.009	0.004	0.028	0.169	0.01	0.018	0.089	0.232
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/01/90-06/22/94	172	0.024	0.042	0.27	0.001	0.002	0.049	0.004	0.009	0.058	0.114
00916	CALCIUM, TOTAL (MG/L AS CA)	09/12/73-02/08/75	17	33.	35.853	66.	13.	168.976	12.999	21.8	27.85	44.05	57.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/12/73-02/08/75	17	15.	16.724	30.2	8.	67.504	8.216	8.8	9.9	26.4	29.24
00929	SODIUM, TOTAL (MG/L AS NA)	09/12/73-02/08/75	17	4.	3.794	8.	0.	5.666	2.38	0.	2.	5.5	7.2
00937	POTASSIUM, TOTAL MG/L AS K)	09/12/73-02/08/75	17	1.1	1.465	3.2	0.	0.977	0.989	0.	0.85	2.25	3.04
00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/73-02/08/75	17	3.	3.353	6.	2.	1.118	1.057	2.	3.	4.	5.2
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/73-02/08/75	17	6.	6.706	11.	3.	7.221	2.687	3.	4.5	10.	10.2
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/90-08/20/92	166 ##	0.025	0.07	2.	0.025	0.035	0.187	0.025	0.025	0.05	0.1
01055	MANGANESE, TOTAL (UG/L AS MN)	07/21/92-08/03/92	3	530.	669.	1400.	77.	452073.	672.364	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/90-08/20/92	166	90.5	458.608	4000.	20.	526526.882	725.622	20.	20.	657.5	1530.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/73-02/08/75	17	0.027	0.034	0.078	0.	0.001	0.026	0.	0.012	0.054	0.078
74010	IRON, TOTAL (MG/L AS FE)	07/21/92-08/03/92	3	0.28	0.195	0.28	0.025	0.022	0.147	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0220

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	17	0	0.00	6	0	0.00	6	0	0.00				5	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	38	14	0.37	17	6	0.35	6	1	0.17				15	7	0.47
00403	PH, LAB	Other-Hi Lim.	9.	17	0	0.00	6	0	0.00	6	0	0.00				5	0	0.00
		Other-Lo Lim.	6.5	17	0	0.00	6	0	0.00	6	0	0.00				5	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	17	0	0.00	6	0	0.00	6	0	0.00				5	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	17	0	0.00	6	0	0.00	6	0	0.00				5	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	42	0	0.00	7	0	0.00							35	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	17	0	0.00	6	0	0.00	6	0	0.00				5	0	0.00
		Drinking Water	250.	17	0	0.00	6	0	0.00	6	0	0.00				5	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	17	0	0.00	6	0	0.00	6	0	0.00				5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1973 - Station SACN0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-07/08/94	4	0.09	0.1	0.17	0.05	0.003	0.053	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-07/08/94	10	0.04	0.069	0.17	0.03	0.002	0.047	0.03	0.038	0.105	0.165

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-07/08/94	3	0.15	0.15	0.21	0.09	0.004	0.06	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-07/08/94	10	0.013	0.015	0.023	0.01	0.	0.005	0.01	0.01	0.019	0.023
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/01/90-07/08/94	40	0.043	0.105	1.	0.007	0.029	0.17	0.01	0.011	0.134	0.264
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/01/90-06/22/94	50	0.011	0.057	0.27	0.003	0.005	0.072	0.004	0.006	0.103	0.167

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/01/90-07/08/94	49	0.029	0.048	0.234	0.004	0.002	0.049	0.01	0.02	0.049	0.133
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/01/90-06/22/94	46	0.027	0.04	0.148	0.004	0.001	0.038	0.007	0.016	0.045	0.113

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-07/08/94	20	0.065	0.067	0.12	0.007	0.001	0.03	0.011	0.05	0.085	0.119
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/01/90-07/08/94	67	0.025	0.036	0.109	0.007	0.001	0.027	0.009	0.018	0.059	0.079
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/01/90-06/22/94	65	0.02	0.027	0.076	0.001	0.001	0.024	0.003	0.007	0.047	0.064

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-07/08/94	19	0.146	0.472	3.91	0.037	0.8	0.895	0.056	0.072	0.53	1.34
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/01/90-07/08/94	20	0.252	0.372	1.009	0.033	0.096	0.309	0.041	0.1	0.556	0.915
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/01/90-06/22/94	11	0.048	0.063	0.183	0.015	0.003	0.05	0.017	0.024	0.083	0.169

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/12/73-10/15/90	17	7.1	5.441	9.6	0.	15.21	3.9	0.	0.75	9.	9.28
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/12/73-06/22/94	13	0.041	0.094	0.36	0.	0.013	0.116	0.	0.008	0.162	0.328
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-07/08/94	23	0.06	0.057	0.17	0.01	0.002	0.048	0.01	0.013	0.082	0.146

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/12/73-10/15/90	6	9.45	7.95	10.4	2.	10.651	3.264	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/12/73-06/22/94	6	0.255	0.235	0.38	0.04	0.017	0.13	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-07/08/94	6	0.085	0.102	0.21	0.04	0.004	0.067	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/12/73-10/15/90	15	6.3	4.867	12.1	0.	22.082	4.699	0.	0.	9.7	10.84
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/12/73-06/22/94	48	0.14	0.164	0.443	0.016	0.013	0.115	0.023	0.069	0.252	0.346
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-07/08/94	37	0.073	0.272	3.91	0.007	0.444	0.666	0.03	0.05	0.168	0.666

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0221

NPS Station ID: SACN0221 LAT/LON: 45.032170/ -92.586003 Agency: 21WIS Date Created: 07/17/93
Location: THREE LAKES 2ND LOBE E 3 LAKES FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 563086 /6270AG563086/2918W053086
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1:
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
STATION FOR BUZZ SORGE OF WESTERN DISTRICT (715)839-3794 T29N R18W S05 NENE
MIDDLE OF LAKE

Parameter Inventory for Station: SACN0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/93-10/28/93	5	22.	19.28	25.	7.	56.792	7.536	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/93-10/28/93	4	14.	13.175	17.	7.7	15.323	3.914	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/22/93-10/28/93	4	0.4	0.4	0.5	0.3	0.007	0.082	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/28/93-10/28/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/93-10/28/93	4	195.5	193.	200.	181.	68.667	8.287	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/22/93-10/28/93	5	8.6	8.58	16.	0.4	30.622	5.534	**	**	**	**
00400	PH (STANDARD UNITS)	06/22/93-10/28/93	5	8.35	8.482	9.5	7.89	0.365	0.604	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/22/93-10/28/93	5	8.35	8.267	9.5	7.89	0.423	0.65	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/93-10/28/93	5	0.004	0.005	0.013	0.	0.	0.005	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/22/93-10/28/93	4	7.8	7.9	8.4	7.6	0.12	0.346	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/22/93-10/28/93	4	7.8	7.818	8.4	7.6	0.129	0.359	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/93-10/28/93	4	0.016	0.015	0.025	0.004	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/93-10/28/93	4	79.5	79.25	83.	75.	14.917	3.862	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/28/93-10/28/93	1	156.	156.	156.	156.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/28/93-10/28/93	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/02/93-10/28/93	2	30.	30.	32.	28.	8.	2.828	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/22/93-10/28/93	4	0.085	0.097	0.206	0.013	0.009	0.096	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/93-10/28/93	5	1.9	2.06	2.6	1.6	0.178	0.422	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/22/93-10/28/93	4 ##	0.004	0.005	0.008	0.004	0.	0.002	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/93-10/28/93	5	0.197	0.199	0.234	0.172	0.001	0.023	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-10/28/93	4	88.	86.75	89.	82.	10.25	3.202	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/22/93-10/28/93	4	21.	21.	22.	20.	0.667	0.816	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/22/93-10/28/93	4	8.5	8.5	9.	8.	0.333	0.577	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/28/93-10/28/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/28/93-10/28/93	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/22/93-10/28/93	4	10.	10.25	11.	10.	0.25	0.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/02/93-10/28/93	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/93-10/28/93	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/28/93-10/28/93	1	140.	140.	140.	140.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/22/93-10/28/93	4	133.5	133.925	193.	75.7	2601.623	51.006	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/19/93-07/19/93	1	136.	136.	136.	136.	0.	0.	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/19/93-07/19/93	1	31.8	31.8	31.8	31.8	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/28/93-10/28/93	1	0.92	0.92	0.92	0.92	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0221

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	4	0	0.00	2	0	0.00							2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	1	0.20	2	0	0.00							3	1	0.33
00400	PH	Other-Hi Lim.	9.	5	1	0.20	2	0	0.00							3	1	0.33
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00							3	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	4	0	0.00	2	0	0.00							2	0	0.00
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00							2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	4	0	0.00	1	0	0.00							3	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	2	0	0.00							2	0	0.00
		Drinking Water	250.	4	0	0.00	2	0	0.00							2	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0222

NPS Station ID: SACN0222
LAT/LON: 45.031337/ -92.592504
Agency: 21WIS
Date Created: 07/17/93
Location: THREE LAKES W THREE LAKES RD
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 563087 /6270AG563087/2918W053087
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR BUZZ SORGE OF WESTERN DISTRICT (715)839-3794 T29N R18W S05 NENE

Parameter Inventory for Station: SACN0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/93-10/28/93	5	21.4	19.04	25.	7.1	54.213	7.363	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/93-10/28/93	2	15.	15.	18.	12.	18.	4.243	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/22/93-10/28/93	4	0.3	0.3	0.4	0.2	0.007	0.082	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/28/93-10/28/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/93-10/28/93	3	189.	188.667	195.	182.	42.333	6.506	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/22/93-10/28/93	5	9.4	8.5	14.5	0.2	26.795	5.176	**	**	**	**
00400	PH (STANDARD UNITS)	06/22/93-10/28/93	5	8.65	8.568	9.3	7.75	0.364	0.603	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/22/93-10/28/93	5	8.65	8.256	9.3	7.75	0.486	0.697	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/93-10/28/93	5	0.002	0.006	0.018	0.001	0.	0.007	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/22/93-10/28/93	3	7.8	7.833	8.	7.7	0.023	0.153	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/22/93-10/28/93	3	7.8	7.816	8.	7.7	0.024	0.154	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/93-10/28/93	3	0.016	0.015	0.02	0.01	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/93-10/28/93	3	76.	76.	79.	73.	9.	3.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/28/93-10/28/93	1	158.	158.	158.	158.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/28/93-10/28/93	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/28/93-10/28/93	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/22/93-10/28/93	5	0.221	0.383	1.12	0.027	0.208	0.457	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/93-10/28/93	5	2.9	2.9	3.8	2.1	0.575	0.758	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/22/93-10/28/93	4	0.025	0.065	0.2	0.008	0.008	0.091	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/93-10/28/93	5	0.34	0.36	0.48	0.208	0.012	0.109	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/93-10/28/93	4	77.	77.	80.	74.	8.667	2.944	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/22/93-10/28/93	4	19.	19.	20.	18.	1.333	1.155	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/22/93-10/28/93	4	7.	7.25	8.	7.	0.25	0.5	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/28/93-10/28/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/28/93-10/28/93	1	9.67	9.67	9.67	9.67	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/22/93-10/28/93	3	10.	10.333	12.	9.	2.333	1.528	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/28/93-10/28/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/93-10/28/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/28/93-10/28/93	1	180.	180.	180.	180.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/22/93-10/28/93	4	137.	164.75	273.	112.	5352.917	73.164	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/19/93-07/19/93	1	123.	123.	123.	123.	0.	0.	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/19/93-07/19/93	1	15.1	15.1	15.1	15.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/28/93-10/28/93	1	0.46	0.46	0.46	0.46	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0222

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00							1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	1	0.20	2	0	0.00							3	1	0.33
00400	PH	Other-Hi Lim.	9.	5	1	0.20	2	0	0.00							3	1	0.33
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00							3	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00							2	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00							2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	4	0	0.00	1	0	0.00							3	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00							2	0	0.00
		Drinking Water	250.	3	0	0.00	1	0	0.00							2	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0223

NPS Station ID: SACN0223
LAT/LON: 45.380003/ -92.594366
Agency: 21WITIS
Date Created: 12/17/88
Location: POPLAR LAKE
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 495023 /6270MA495023/3318W035023
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 25.00
On/Off RF1:
RF3 Index: 07030001155300.43
RF3 Mile Point: 1.07
Distance from RF3: 0.05
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0223

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0224

NPS Station ID: SACN0224 | LAT/LON: 45.060004/ -92.607171 | Agency: 21WIS | Date Created: 12/01/90
Location: TEN MILE CREEK AT BOARDMAN | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 563075 /6270AA563075
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 5.50 | On/Off RF1:
RF3 Index: 07030005000409.84 | RF3 Mile Point: 10.60 | Distance from RF3: 0.28 | On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WD - EAU CLAIRE (715)839-3724 TEN MILE CREEK AT FIRST BRIDGE OFF OF COUNTY A ON 100 STREET, EAST OF BOARDMAN - AMBIENT MONITORING.

Parameter Inventory for Station: SACN0224

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/90-01/10/91	3	1.	1.	2.	0.	1.	1.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/13/90-01/10/91	3	14.2	13.167	17.2	8.1	21.503	4.637	**	**	**	**
00400	PH (STANDARD UNITS)	11/13/90-01/10/91	3	8.49	8.523	8.63	8.45	0.009	0.095	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/13/90-01/10/91	3	8.49	8.517	8.63	8.45	0.009	0.095	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/13/90-01/10/91	3	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/13/90-01/10/91	3	0.06	0.053	0.07	0.03	0.	0.021	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0224

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	1	0	0.00	2	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0225

NPS Station ID: SACN0225
LAT/LON: 45.182421/ -92.613866
Agency: 21WITIS
Date Created: 08/06/88
Location: SQUAW LAKE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 565003 /6270MA565003/3118W085003
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 3.30
On/Off RF1:
RF3 Index: 07030005000404.50
RF3 Mile Point: 4.50
Distance from RF3: 0.08
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/19/84-09/19/84	4	2.315	2.205	3.86	0.33	2.225	1.492	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/19/84-09/19/84	4	16.3	15.075	20.2	7.5	32.109	5.666	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/19/84-09/19/84	4	0.245	0.24	0.36	0.11	0.013	0.115	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0226

NPS Station ID: SACN0226
LAT/LON: 45.065281/ -92.614449
Agency: 112WRD
Date Created: / /
Location: WILLOW RIVER NEAR BOARDMAN, WI
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05341710
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005004
RF1 Mile Point: 11.820
Distance from RF1: 1.80
On/Off RF1: OFF
RF3 Index: 07030005000800.53
RF3 Mile Point: 3.30
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0226

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/68-06/07/68	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	06/07/68-06/07/68	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/07/68-06/07/68	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/68-06/07/68	1	306.	306.	306.	306.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/07/68-06/07/68	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/07/68-06/07/68	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/68-06/07/68	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/68-06/07/68	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/07/68-06/07/68	1	183.	183.	183.	183.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/07/68-06/07/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/07/68-06/07/68	1	151.	151.	151.	151.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/07/68-06/07/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/07/68-06/07/68	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/07/68-06/07/68	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/07/68-06/07/68	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/07/68-06/07/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/07/68-06/07/68	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/07/68-06/07/68	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/07/68-06/07/68	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/68-06/07/68	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/07/68-06/07/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/07/68-06/07/68	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/68-06/07/68	1	180.	180.	180.	180.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/07/68-06/07/68	1	190.	190.	190.	190.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/07/68-06/07/68	1	173.	173.	173.	173.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/07/68-06/07/68	1	16.4	16.4	16.4	16.4	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/07/68-06/07/68	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/07/68-06/07/68	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	06/07/68-06/07/68	1	360.	360.	360.	360.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0226

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00										1	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0227

NPS Station ID: SACN0227
LAT/LON: 45.187226/ -92.614449
Agency: 21WIS
Date Created: 04/19/86
Location: SQUAW LAKE (NORTH END DEEP PT)
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 563055 /3118W08
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 32
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07040001068900.00
RF3 Mile Point: 0.47
Distance from RF3: 0.02
On/Off RF3:
Description:
DEEPEST PORTION OF NORTH END OF LAKE. SAMPLE POINT ESTABLISHED AS A WIS DNR AMBIENT LONG TERM TREND MONITORING POINT.

Parameter Inventory for Station: SACN0227

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0228

NPS Station ID: SACN0228
LAT/LON: 45.185531/ -92.616198
Agency: 21WIS
Date Created: 10/04/86
Location: SQUAW LAKE (MIDDLE)
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 563056 /6270AG563056/3118W083056
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 13.60
On/Off RF1:
RF3 Index: 07030005104000.00
RF3 Mile Point: 5.46
Distance from RF3: 0.00
On/Off RF3:
Description:
STATION FOR SCOTT SCHELLHAASS OF EAU CLAIRE (704)839-3798

Parameter Inventory for Station: SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	111	15.4	15.036	28.8	1.	58.078	7.621	4.22	9.	22.	24.98
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/17/90-04/17/90	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	06/15/89-10/11/89	8	57.5	58.125	100.	0.	1849.554	43.006	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/01/88-11/01/88	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/87-10/11/94	21	3.1	3.643	10.4	1.8	5.266	2.295	1.92	2.1	3.9	8.54
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/19/86-10/11/94	41	1.	1.055	2.	0.3	0.199	0.446	0.6	0.7	1.35	1.86
00080	COLOR (PLATINUM-COBALT UNITS)	04/08/87-10/11/94	21	40.	45.595	110.	2.5	736.19	27.133	16.	30.	60.	102.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/93-10/06/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/88-10/11/94	18	98.	103.5	132.	84.	282.382	16.804	85.8	88.5	118.75	131.1
00134	STORM EVENT SERIAL NUMBER MAXIMUM OF 6 SIG.FIG.	10/11/94-10/11/94	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	110	3.3	5.083	23.5	0.	26.979	5.194	0.1	0.2	9.625	11.98
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	104	7.375	7.58	10.3	5.5	1.638	1.28	6.05	6.67	8.3	9.64
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	104	7.369	6.52	10.3	5.5	2.773	1.665	6.05	6.67	8.3	9.64
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	104	0.043	0.302	3.162	0.	0.427	0.653	0.	0.005	0.214	0.897
00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/11/94	23	7.3	7.239	7.6	6.5	0.052	0.227	6.94	7.1	7.4	7.46
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/87-10/11/94	23	7.3	7.164	7.6	6.5	0.057	0.24	6.94	7.1	7.4	7.46
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/87-10/11/94	23	0.05	0.069	0.316	0.025	0.003	0.059	0.035	0.04	0.079	0.116
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/11/94	22	30.	30.318	39.	20.	31.561	5.618	20.6	27.5	33.75	38.7
00500	RESIDUE, TOTAL (MG/L)	10/26/87-04/18/94	16	93.	94.75	112.	84.	67.133	8.193	85.4	88.5	99.5	112.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/26/87-10/11/94	17	50.	50.118	62.	40.	57.735	7.598	40.	42.	57.	60.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/87-10/11/94	16	7.5	8.063	18.	1.	25.663	5.066	1.	4.	11.75	17.3
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/26/87-10/26/87	2	17.5	17.5	18.	17.	0.5	0.707	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	84	0.248	1.065	10.2	0.	3.672	1.916	0.018	0.039	0.928	3.88
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	85	2.3	4.111	93.	1.2	99.332	9.967	1.56	1.8	3.4	6.56
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	77	0.03	0.098	0.7	0.004	0.02	0.141	0.004	0.01	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	117	0.32	0.549	2.8	0.041	0.425	0.652	0.071	0.132	0.54	1.814
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/19/86-10/05/92	20	0.135	0.186	0.8	0.005	0.049	0.221	0.005	0.007	0.31	0.478
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/26/87-10/11/94	20	20.5	23.2	76.	15.	164.379	12.821	16.	18.	24.25	25.9
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/11/94	23	4.1	4.026	5.2	3.	0.508	0.713	3.	3.3	4.5	5.1
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/11/94	23	2.	2.97	16.	2.	8.294	2.88	2.	2.	3.	3.
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/11/94	21	1.	1.19	2.	1.	0.162	0.402	1.	1.	1.	2.
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/11/94	23	15.	14.617	21.	2.	23.988	4.898	5.834	13.	18.	21.
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/87-10/11/94	20	6.	6.75	10.	5.	1.987	1.41	5.1	6.	8.	9.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/11/94	17	3.	3.882	7.	2.5	2.517	1.586	2.5	2.5	5.	7.
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/08/87-10/11/94	22	0.4	0.536	1.4	0.1	0.186	0.432	0.1	0.1	0.925	1.21
01042	COPPER, TOTAL (UG/L AS CU)	08/19/86-08/19/86	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	10/11/94-10/11/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/08/87-10/11/94	15 ##	20.	32.	200.	20.	2160.	46.476	20.	20.	20.	92.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/19/86-10/11/94	45	67.4	83.735	440.	2.7	7798.999	88.312	11.2	29.7	102.45	180.
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/06/93	2	44.35	44.35	76.4	12.3	2054.405	45.326	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/06/93	2	3.62	3.62	4.52	2.72	1.62	1.273	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/08/87-04/08/87	2	69.	69.	70.	68.	2.	1.414	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	03/10/87-10/06/93	37	0.25	0.987	6.6	0.05	2.815	1.678	0.13	0.2	0.625	4.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0228

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	21	0	0.00	9	0	0.00				2	0	0.00	10	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	110	56	0.51	41	20	0.49	3	2	0.67	7	0	0.00	59	34	0.58
00400	PH	Other-Hi Lim.	9.	104	19	0.18	41	7	0.17	3	0	0.00	7	0	0.00	53	12	0.23
		Other-Lo Lim.	6.5	104	20	0.19	41	12	0.29	3	0	0.00	7	2	0.29	53	6	0.11
00403	PH, LAB	Other-Hi Lim.	9.	23	0	0.00	8	0	0.00	1	0	0.00	4	0	0.00	10	0	0.00
		Other-Lo Lim.	6.5	23	1	0.04	8	0	0.00	1	1	1.00	4	0	0.00	10	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	77	0	0.00	25	0	0.00	3	0	0.00	7	0	0.00	42	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	20	0	0.00	10	0	0.00							10	0	0.00
		Drinking Water	250.	20	0	0.00	10	0	0.00							10	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	17	0	0.00	7	0	0.00				2	0	0.00	8	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1986 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	7	21.8	20.014	26.5	10.	47.605	6.9	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	7	0.2	5.343	18.2	0.1	51.096	7.148	**	**	**	**
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	7	8.1	7.543	9.5	5.8	2.136	1.462	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	7	8.1	6.383	9.5	5.8	3.705	1.925	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	7	0.008	0.414	1.585	0.	0.366	0.605	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	7	0.14	0.439	2.	0.06	0.499	0.706	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	26	13.45	14.55	27.	4.2	56.517	7.518	4.65	7.925	20.7	26.3
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	23	2.5	4.726	15.	0.	24.07	4.906	0.04	0.1	8.8	11.92
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	21	6.6	6.905	9.8	5.5	1.754	1.325	5.52	5.65	8.	9.06
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	21	6.6	6.015	9.8	5.5	2.585	1.608	5.52	5.65	8.	9.06
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	21	0.251	0.966	3.162	0.	1.375	1.172	0.001	0.011	2.254	3.032
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	4	0.135	0.133	0.19	0.07	0.004	0.067	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	4	1.9	2.	2.8	1.4	0.4	0.632	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	4	0.125	0.125	0.2	0.05	0.008	0.087	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	31	0.089	0.503	2.8	0.041	0.694	0.833	0.049	0.069	0.43	2.296

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	9	15.	16.478	26.5	3.8	82.067	9.059	3.8	7.75	25.	26.5
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	10	2.6	4.82	12.4	0.1	25.788	5.078	0.11	0.425	10.3	12.31
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	10	7.3	7.95	10.3	6.7	1.829	1.352	6.705	6.863	9.188	10.26
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	10	7.255	7.143	10.3	6.7	2.553	1.598	6.705	6.863	9.188	10.26
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	10	0.056	0.072	0.2	0.	0.006	0.077	0.	0.001	0.139	0.197
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	9	0.2	0.856	4.8	0.01	2.406	1.551	0.01	0.045	1.15	4.8
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	9	2.	2.756	7.4	1.7	3.445	1.856	1.7	1.7	3.1	7.4
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	5	0.05	0.146	0.3	0.04	0.02	0.141	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	10	0.179	0.429	2.03	0.1	0.345	0.587	0.102	0.121	0.52	1.882

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	12	11.45	14.692	28.8	7.5	48.226	6.945	7.71	9.05	21.25	26.88
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	12	3.6	4.517	10.2	0.1	21.071	4.59	0.1	0.125	9.275	10.08
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	12	7.025	7.354	9.4	6.15	1.093	1.045	6.225	6.613	7.825	9.355
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	12	7.007	6.782	9.4	6.15	1.45	1.204	6.225	6.612	7.825	9.355
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	12	0.098	0.165	0.708	0.	0.044	0.209	0.	0.015	0.251	0.615
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	14	0.65	2.199	8.	0.01	7.148	2.674	0.01	0.15	4.	7.05
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	14	2.35	3.993	10.	1.6	7.31	2.704	1.7	2.15	5.9	8.95
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	14	0.025	0.106	0.7	0.01	0.034	0.183	0.01	0.018	0.125	0.45
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	14	0.525	0.86	2.18	0.11	0.467	0.683	0.235	0.385	1.275	2.115

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	12	8.95	11.167	24.	1.	68.079	8.251	1.45	3.875	19.875	23.88
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	12	5.8	6.125	12.9	0.2	25.046	5.005	0.29	0.65	11.7	12.87
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	10	7.9	8.22	10.2	7.1	1.176	1.084	7.12	7.413	8.75	10.19
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	10	7.9	7.659	10.2	7.1	1.526	1.235	7.12	7.413	8.75	10.19
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	10	0.013	0.022	0.079	0.	0.001	0.026	0.	0.004	0.039	0.077
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	12	0.32	0.571	3.6	0.03	0.948	0.974	0.03	0.143	0.468	2.733
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	12	2.6	10.358	93.	1.9	678.274	26.044	1.96	2.325	3.1	66.81
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	12 ##	0.055	0.088	0.2	0.01	0.008	0.089	0.01	0.01	0.2	0.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	12	0.485	0.546	1.47	0.32	0.1	0.317	0.322	0.348	0.633	1.236

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	11	10.7	12.836	25.	2.5	72.757	8.53	2.5	5.	21.4	24.9
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	11	1.8	4.682	12.	0.1	25.884	5.088	0.1	0.1	9.8	11.92
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	9	7.5	7.611	10.1	6.	1.491	1.221	6.	6.65	8.25	10.1
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	9	7.5	6.755	10.1	6.	2.315	1.522	6.	6.65	8.25	10.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	9	0.032	0.176	1.	0.	0.106	0.326	0.	0.009	0.237	1.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	11	0.198	0.861	4.21	0.016	1.856	1.362	0.016	0.02	1.41	3.882
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	11	2.3	2.936	6.4	1.4	2.383	1.544	1.42	2.	3.9	6.08
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	11	0.03	0.138	0.4	0.004	0.029	0.171	0.004	0.004	0.3	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	10	0.365	0.577	1.81	0.23	0.236	0.486	0.237	0.308	0.675	1.728

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	10	17.4	16.61	22.5	7.	26.645	5.162	7.2	13.5	21.	22.35
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	10	4.9	5.13	11.4	0.1	20.413	4.518	0.11	0.425	9.625	11.23
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	10	8.11	8.024	9.78	6.39	1.777	1.333	6.418	6.67	9.35	9.752
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	10	8.07	6.979	9.78	6.39	2.99	1.729	6.418	6.67	9.35	9.752
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	10	0.009	0.105	0.407	0.	0.021	0.144	0.	0.	0.214	0.388
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	9	0.084	1.834	10.2	0.015	11.69	3.419	0.015	0.025	2.825	10.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	10	2.35	3.62	12.	1.2	10.746	3.278	1.23	1.65	4.5	11.4
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	10	0.015	0.033	0.2	0.004	0.004	0.06	0.004	0.004	0.025	0.184
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	10	0.27	0.575	2.06	0.117	0.447	0.668	0.119	0.14	0.89	2.003

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	12	18.5	16.592	24.5	1.5	43.286	6.579	4.05	12.275	22.	23.9
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	12	3.35	4.983	13.3	0.	25.44	5.044	0.09	0.3	9.925	12.43
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	12	7.26	7.538	10.1	6.47	1.327	1.152	6.494	6.7	7.833	9.89
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	12	7.158	6.941	10.1	6.47	1.715	1.31	6.494	6.7	7.833	9.89
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	12	0.07	0.115	0.339	0.	0.014	0.119	0.	0.015	0.2	0.322
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	12	0.25	0.793	5.17	0.016	2.216	1.489	0.021	0.057	0.558	4.24
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	12	2.	2.483	6.8	1.2	2.363	1.537	1.23	1.475	3.15	5.78
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	12	0.02	0.061	0.3	0.004	0.009	0.093	0.004	0.008	0.073	0.27

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	10	0.249	0.553	2.3	0.111	0.508	0.713	0.113	0.157	0.688	2.204

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	12	15.05	15.467	26.3	1.	74.722	8.644	1.48	9.4	23.3	25.94
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	13	1.8	5.731	23.5	0.	51.202	7.156	0.12	0.5	9.5	20.1
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	13	7.28	7.801	10.2	6.41	1.748	1.322	6.462	6.71	8.985	10.16
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	13	7.28	6.999	10.2	6.41	2.445	1.564	6.462	6.71	8.985	10.16
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	13	0.052	0.1	0.389	0.	0.016	0.127	0.	0.001	0.197	0.349
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	13	0.181	0.624	3.3	0.	0.972	0.986	0.008	0.021	1.052	2.656
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	13	2.1	2.931	8.15	1.6	3.512	1.874	1.664	1.8	3.6	6.93
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	9 ##	0.004	0.135	0.5	0.004	0.044	0.211	0.004	0.004	0.3	0.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	13	0.22	0.437	1.68	0.129	0.222	0.471	0.131	0.139	0.552	1.46

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	40	16.25	16.19	26.	3.8	36.162	6.014	8.27	11.225	21.55	24.48
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/87-10/11/94	9	3.9	5.178	10.4	2.8	7.839	2.8	2.8	3.1	7.55	10.4
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/19/86-10/11/94	18	0.9	0.972	2.	0.4	0.17	0.413	0.49	0.7	1.15	1.73
00080	COLOR (PLATINUM-COBALT UNITS)	04/08/87-10/11/94	9	40.	33.889	45.	15.	117.361	10.833	15.	25.	42.5	45.
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	41	5.2	4.854	13.3	0.	21.26	4.611	0.1	0.15	9.05	11.72
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	41	7.3	7.395	10.3	5.5	1.976	1.406	5.6	6.345	8.2	9.876
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	41	7.3	6.262	10.3	5.5	3.293	1.815	5.6	6.345	8.2	9.876
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	41	0.05	0.547	3.162	0.	0.905	0.951	0.	0.006	0.454	2.512
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/11/94	10	28.	26.5	33.	20.	19.833	4.453	20.	21.5	30.	32.7
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/26/87-10/11/94	9	56.	54.	62.	42.	52.	7.211	42.	47.	60.	62.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	28	0.19	1.193	10.2	0.	5.566	2.359	0.01	0.031	1.125	5.233
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	28	2.4	3.543	12.	1.7	5.885	2.426	1.796	2.2	3.85	7.475
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	25	0.05	0.109	0.3	0.004	0.012	0.107	0.004	0.01	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	51	0.169	0.56	2.8	0.041	0.618	0.786	0.056	0.079	0.51	1.976
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/19/86-10/05/92	9	0.007	0.1	0.22	0.005	0.013	0.112	0.005	0.006	0.219	0.22
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/26/87-10/11/94	10	19.5	18.6	21.	15.	4.933	2.221	15.1	16.	20.25	21.
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/11/94	11	3.7	3.609	4.2	3.	0.303	0.55	3.	3.	4.2	4.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/11/94	11	2.	2.209	3.	2.	0.161	0.401	2.	2.	2.3	3.
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/11/94	10	1.	1.1	2.	1.	0.1	0.316	1.	1.	1.	1.9
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/11/94	11	15.	15.245	18.	12.	3.659	1.913	12.2	13.9	17.	18.
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/87-10/11/94	10	6.	6.	8.	5.	0.667	0.816	5.	5.75	6.	7.8
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/08/87-10/11/94	10	0.8	0.77	1.4	0.1	0.182	0.427	0.12	0.375	1.075	1.39
01055	MANGANESE, TOTAL (UG/L AS MN)	04/08/87-10/11/94	11 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/19/86-10/11/94	17	78.2	101.324	344.	18.	8163.327	90.351	26.	38.5	124.5	300.8
74010	IRON, TOTAL (MG/L AS FE)	03/10/87-10/06/93	26	0.2	0.937	6.6	0.05	3.262	1.806	0.121	0.2	0.355	4.99

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	3	2.6	2.533	4.	1.	2.253	1.501	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	3	1.8	2.2	4.3	0.5	3.73	1.931	**	**	**	**
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	3	7.26	7.273	7.56	7.	0.079	0.28	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	3	7.26	7.216	7.56	7.	0.083	0.289	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	3	0.055	0.061	0.1	0.028	0.001	0.037	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	3	0.48	0.495	0.574	0.432	0.005	0.072	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	3	2.	1.967	2.3	1.6	0.123	0.351	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	3	0.5	0.367	0.5	0.1	0.053	0.231	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	4	0.237	0.284	0.55	0.11	0.037	0.192	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/19/86-10/11/94	3	9.	7.233	10.	2.7	15.663	3.958	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	10	3.35	3.93	11.	1.	8.08	2.843	1.05	2.25	4.85	10.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/87-10/11/94	2	2.15	2.15	2.3	2.	0.045	0.212	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/19/86-10/11/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/08/87-10/11/94	2 ##	11.25	11.25	20.	2.5	153.125	12.374	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	7	8.2	9.329	15.	5.2	11.736	3.426	**	**	**	**
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	7	6.7	7.129	8.5	5.9	0.992	0.996	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	7	6.7	6.503	8.5	5.9	1.449	1.204	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	7	0.2	0.314	1.259	0.003	0.204	0.452	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/11/94	2	27.	27.	28.	26.	2.	1.414	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	7	0.198	0.198	0.31	0.07	0.01	0.099	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	7	1.9	1.843	2.6	1.3	0.203	0.45	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	7	0.2	0.214	0.4	0.05	0.021	0.144	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	10	0.319	0.308	0.7	0.073	0.036	0.19	0.076	0.109	0.378	0.679
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/19/86-10/05/92	2	0.015	0.015	0.017	0.012	0.	0.004	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/11/94	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/11/94	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/11/94	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/11/94	2	6.5	6.5	11.	2.	40.5	6.364	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/08/87-10/11/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/08/87-10/11/94	2 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/19/86-10/11/94	3	12.	19.02	42.	3.06	416.041	20.397	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	03/10/87-10/06/93	5	0.3	0.3	0.4	0.2	0.01	0.1	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/86-10/11/94	58	18.25	16.802	28.8	3.5	52.01	7.212	8.13	9.725	23.45	26.32
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/08/87-10/11/94	10	2.1	2.56	3.9	1.8	0.574	0.757	1.81	1.975	3.25	3.85
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/19/86-10/11/94	22	1.15	1.08	2.	0.3	0.193	0.439	0.6	0.675	1.4	1.81
00080	COLOR (PLATINUM-COBALT UNITS)	04/08/87-10/11/94	10	60.	63.	110.	30.	778.889	27.909	30.	45.	80.	110.
00300	OXYGEN, DISSOLVED MG/L	06/19/86-10/11/94	59	1.5	4.885	23.5	0.	32.014	5.658	0.1	0.2	9.7	12.
00400	PH (STANDARD UNITS)	06/19/86-10/11/94	53	7.45	7.801	10.2	6.	1.498	1.224	6.446	6.725	8.875	9.68
00400	CONVERTED PH (STANDARD UNITS)	06/19/86-10/11/94	53	7.45	6.906	10.2	6.	2.313	1.521	6.446	6.725	8.875	9.68
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/86-10/11/94	53	0.035	0.124	1.	0.	0.043	0.207	0.	0.001	0.189	0.36
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/11/94	10	34.5	34.8	39.	30.	12.622	3.553	30.1	31.75	38.25	39.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/26/87-10/11/94	8	44.	45.75	54.	40.	31.357	5.6	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/08/87-10/11/94	46	0.28	1.156	8.	0.01	3.274	1.809	0.018	0.03	1.598	3.768
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/08/87-10/11/94	47	2.3	4.923	93.	1.2	175.949	13.265	1.48	1.8	3.8	6.28
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/08/87-10/11/94	42	0.02	0.054	0.7	0.004	0.015	0.121	0.004	0.008	0.033	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/86-10/11/94	52	0.403	0.605	2.4	0.07	0.332	0.576	0.127	0.212	0.689	1.484
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/19/86-10/05/92	9	0.34	0.31	0.8	0.006	0.07	0.265	0.006	0.031	0.47	0.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/26/87-10/11/94	10	23.5	27.8	76.	18.	295.067	17.178	18.	20.25	25.25	71.
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/11/94	10	4.5	4.59	5.2	4.	0.223	0.472	4.	4.15	5.1	5.19
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/11/94	10	3.	4.	16.	2.	18.	4.243	2.	2.	3.	14.7
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/11/94	9	1.	1.333	2.	1.	0.25	0.5	1.	1.	2.	2.
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/11/94	10	14.7	15.549	21.	2.39	33.983	5.83	3.451	13.	21.	21.
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/87-10/11/94	10	7.5	7.5	10.	6.	2.278	1.509	6.	6.	9.	9.9
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/08/87-10/11/94	10 ##	0.25	0.39	1.	0.1	0.125	0.354	0.1	0.1	0.8	0.98
01055	MANGANESE, TOTAL (UG/L AS MN)	04/08/87-10/11/94	2 ##	110.	110.	200.	20.	16200.	127.279	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/19/86-10/11/94	22	70.	89.4	440.	12.	8361.554	91.442	14.39	35.75	95.325	195.
74010	IRON, TOTAL (MG/L AS FE)	03/10/87-10/06/93	6	1.345	1.777	3.9	0.17	2.717	1.648	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0229

NPS Station ID: SACN0229
LAT/LON: 46.013338/ -92.617505
Agency: 21MINNL
Date Created: 10/08/85
Location: LAKE: OLIVE 2.5 MI E OF CLOVERDALE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0044
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 4.9 HECTARE B
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: - M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030001004900.22
RF3 Mile Point: 0.21
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0229

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/85-08/27/85	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/27/85-08/27/85	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/27/85-08/27/85	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/85-08/27/85	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/27/85-08/27/85	1	6.45	6.45	6.45	6.45	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/27/85-08/27/85	1	6.45	6.45	6.45	6.45	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/85-08/27/85	1	0.355	0.355	0.355	0.355	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/27/85-08/27/85	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/85-08/27/85	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/85-08/27/85	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/85-08/27/85	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/85-08/27/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	08/27/85-08/27/85	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/85-08/27/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0229

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0230

NPS Station ID: SACN0230
LAT/LON: 46.013338/ -92.617505
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: OLIVE 2.5 MI E OF CLOVERDALE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0044
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 4.9 HECTARE B
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: - M
ECO Region:
RF1 Index: 07030001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0230

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0231

NPS Station ID: SACN0231 | LAT/LON: 45.144504/ -92.620671 | Agency: 21WIL | Date Created: 08/29/92
Location: RIVERDALE FLOWAGE | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 564001 /6270AG564001/3118W294001
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 20 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 12.40 | On/Off RF1:
RF3 Index: 07030005216803.90 | RF3 Mile Point: 4.27 | Distance from RF3: 0.19 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/28/79-08/28/79	2	72.	72.	72.	72.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/28/79-08/28/79	2	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/79-08/28/79	2	4.35	4.35	7.3	1.4	17.405	4.172	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/28/79-08/28/79	2	54.	54.	54.	54.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/79-08/28/79	2	239.5	239.5	249.	230.	180.5	13.435	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/28/79-08/28/79	2	9.2	9.2	9.6	8.8	0.32	0.566	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/28/79-08/28/79	2	7.85	7.85	8.2	7.5	0.245	0.495	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/28/79-08/28/79	2	7.722	7.722	8.2	7.5	0.278	0.527	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/79-08/28/79	2	0.019	0.019	0.032	0.006	0.	0.018	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/79-08/28/79	2	93.	93.	108.	78.	450.	21.213	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/28/79-08/28/79	2	0.915	0.915	1.08	0.75	0.054	0.233	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/79-08/28/79	2	0.34	0.34	0.36	0.32	0.001	0.028	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	2	0.085	0.085	0.13	0.04	0.004	0.064	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	2 ##	0.006	0.006	0.011	0.002	0.	0.007	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	2	0.49	0.49	0.64	0.34	0.045	0.212	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/79-08/28/79	2	0.045	0.045	0.049	0.04	0.	0.006	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/79-08/28/79	2	0.024	0.024	0.028	0.02	0.	0.006	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/79-08/28/79	2	23.5	23.5	28.	19.	40.5	6.364	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/79-08/28/79	2	11.5	11.5	12.	11.	0.5	0.707	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/28/79-08/28/79	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/28/79-08/28/79	2 ##	0.825	0.825	1.4	0.25	0.661	0.813	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/79-08/28/79	2	5.	5.	6.	4.	2.	1.414	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/79-08/28/79	2	55.	55.	60.	50.	50.	7.071	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/28/79-08/28/79	2	22.24	22.24	22.24	22.24	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/28/79-08/28/79	2 ##	0.09	0.09	0.14	0.04	0.005	0.071	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0231

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0231

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00	2	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0232

NPS Station ID: SACN0232 | LAT/LON: 45.062337/ -92.622838 | Agency: 21WIS | Date Created: 12/01/90
Location: WILLOW RIVER AT 140 AVENUE | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 563074 /6270AA563074
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 6.10 | On/Off RF1:
RF3 Index: 07030005004900.00 | RF3 Mile Point: 1.91 | Distance from RF3: 0.08 | On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WD - EAU CLAIRE (715)839-3724 WILLOW RIVER AT 140TH AVENUE ONE MILE WEST OF BOARDMAN.
AMBIENT MONITORING.

Parameter Inventory for Station: SACN0232

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/90-12/16/92	26	5.25	8.096	22.	0.	55.12	7.424	0.35	1.375	16.25	18.95
00300	OXYGEN, DISSOLVED MG/L	11/13/90-12/16/92	26	11.3	11.069	17.4	6.	5.249	2.291	8.37	9.4	12.05	13.6
00400	PH (STANDARD UNITS)	11/13/90-12/16/92	26	8.27	8.226	8.67	7.43	0.07	0.264	7.829	8.11	8.385	8.521
00400	CONVERTED PH (STANDARD UNITS)	11/13/90-12/16/92	26	8.27	8.128	8.67	7.43	0.08	0.283	7.829	8.11	8.385	8.521
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/13/90-12/16/92	26	0.005	0.007	0.037	0.002	0.	0.007	0.003	0.004	0.008	0.015
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/13/90-12/16/92	24	0.052	0.065	0.217	0.006	0.003	0.053	0.009	0.033	0.077	0.165

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0232

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	26	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	9	0	0.00
00400	PH	Other-Hi Lim.	9.	26	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	9	0	0.00
		Other-Lo Lim.	6.5	26	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	9	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0233

NPS Station ID: SACN0233 | LAT/LON: 45.151281/ -92.625005 | Agency: 21WIS | Date Created: 08/10/85
Location: APPLE R ABOVE RIVERDALE FLOW (1) | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 563046 /6270AC563046
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 1 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 0 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005008 | RF1 Mile Point: 9.860 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 07030005000620.46 | RF3 Mile Point: 22.55 | Distance from RF3: 0.19 | On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)836-4267 APPLE RIVER ABOVE RIVERDALE FLOWAGE AT TOWN ROAD BRIDGE

Parameter Inventory for Station: SACN0233

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/27/87-04/27/87	1	13.3	13.3	13.3	13.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/27/87-04/27/87	1	290.	290.	290.	290.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/27/87-04/27/87	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/27/87-04/27/87	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/87-04/27/87	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/27/87-04/27/87	1	130.	130.	130.	130.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0233

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0234

NPS Station ID: SACN0234
LAT/LON: 45.042837/ -92.629003
Agency: 21WITIS
Date Created: 12/10/94
Location: WILLOW R 00 RACE BRANCH
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 565006 /6270MA565006/3019W365006
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0234

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0235

NPS Station ID: SACN0235 | LAT/LON: 45.400004/ -92.629170 | Agency: 21WIDNR | Date Created: 08/10/78
Location: ST CROIX BELOW ST CROIX FALLS | FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 216
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 999 | Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER | Elevation: 0 | Water Body Id:
Minor Basin: ST. CROIX | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 11.00 | On/Off RF1:
RF3 Index: 07030001155500.00 | RF3 Mile Point: 0.35 | Distance from RF3: 0.31 | On/Off RF3:
Description:
DATA FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES FISH SAMPLING PROGRAMS FOR MERCURY, PCBS, AND PESTICIDES
SAMPLE TAKEN FROM SAINT CROIX RIVER BELOW SAINT CROIX FALLS

Parameter Inventory for Station: SACN0235

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00024	SAMPLE LENGTH IN INCHES	08/05/70-08/05/70	30	14.2	14.263	23.	8.	13.975	3.738	9.23	11.65	16.05	19.95
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/05/70-08/05/70	31	0.37	0.435	1.4	0.13	0.076	0.276	0.18	0.24	0.48	0.814
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/05/70-08/05/70	31	1.	1.065	3.	1.	0.129	0.359	1.	1.	1.	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0236

NPS Station ID: SACN0236
LAT/LON: 45.043003/ -92.631505
Agency: 21WIS
Date Created: 08/04/90
Location: WILLOW R AT HWY A BRIDGE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563068 /6270AA563068
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 5.20
On/Off RF1:
RF3 Index: 07030005000416.04
RF3 Mile Point: 17.43
Distance from RF3: 0.25
On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WD EAU CLAIRE (715)839-3724 AMBIENT MONITORING - WILLOW RIVER AT CTH A BRIDGE NEAR NEW RICHMOND

Parameter Inventory for Station: SACN0236

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/05/90-12/07/93	46	10.25	10.037	22.	0.	63.028	7.939	0.	2.	18.	20.15
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/10/93-12/07/93	8	3.2	3.613	5.6	2.4	1.553	1.246	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/90-12/07/93	38	388.	370.	510.	136.	4585.351	67.715	313.	349.75	399.25	419.7
00300	OXYGEN, DISSOLVED MG/L	07/05/90-12/07/93	45	11.	11.218	16.6	6.2	4.511	2.124	8.68	10.1	12.6	13.68
00310	BOD, 5 DAY, 20 DEG C MG/L	05/07/91-09/23/92	5	1.9	2.	3.1	1.1	0.61	0.781	**	**	**	**
00400	PH (STANDARD UNITS)	07/05/90-12/07/93	46	8.39	8.322	8.93	7.42	0.096	0.31	7.785	8.188	8.473	8.717
00400	CONVERTED PH (STANDARD UNITS)	07/05/90-12/07/93	46	8.39	8.191	8.93	7.42	0.114	0.337	7.785	8.188	8.472	8.717
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/05/90-12/07/93	46	0.004	0.006	0.038	0.001	0.	0.007	0.002	0.003	0.007	0.016
00403	PH, LAB, STANDARD UNITS SU	07/05/90-12/07/93	38	8.2	8.218	8.6	7.4	0.051	0.225	8.09	8.1	8.3	8.5
00403	CONVERTED PH, LAB, STANDARD UNITS	07/05/90-12/07/93	38	8.2	8.142	8.6	7.4	0.057	0.238	8.09	8.1	8.3	8.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/05/90-12/07/93	38	0.006	0.007	0.04	0.003	0.	0.007	0.003	0.005	0.008	0.008
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/05/90-12/07/93	38	168.	161.079	201.	58.	840.183	28.986	132.7	157.5	176.5	181.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/05/90-12/07/93	38	6.	7.737	28.	1.	34.091	5.839	3.8	4.	9.25	15.3
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/05/90-12/07/93	45	0.04	0.064	0.226	0.003	0.004	0.061	0.01	0.019	0.083	0.172
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/05/90-12/07/93	36	0.45	0.528	1.5	0.3	0.075	0.274	0.3	0.325	0.6	0.83
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/05/90-12/07/93	38	2.8	2.708	4.2	0.4	0.668	0.817	1.89	2.175	3.3	3.63
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/05/90-12/07/93	36	0.11	0.125	0.39	0.06	0.004	0.063	0.077	0.09	0.14	0.172
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/01/90-12/07/93	36	0.068	0.073	0.26	0.009	0.002	0.046	0.032	0.044	0.087	0.12
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/05/90-12/07/93	37	190.	183.459	230.	61.	1196.866	34.596	146.	180.	200.	210.
00916	CALCIUM, TOTAL (MG/L AS CA)	07/05/90-12/07/93	37	42.	40.486	51.	14.	57.035	7.552	32.	39.	44.	46.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/05/90-12/07/93	37	21.	20.027	25.	6.	15.36	3.919	15.6	20.	22.	23.
00940	CHLORIDE,TOTAL IN WATER MG/L	07/05/90-12/07/93	35	13.	13.886	42.	4.	30.692	5.54	10.6	12.	14.	16.4
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/05/90-10/13/93	19	70.	331.053	3200.	0.	535376.608	731.694	0.	40.	310.	890.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	07/05/90-10/13/93	19	1.845	1.88	3.505	0.	0.761	0.872	0.	1.602	2.491	2.949
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			75.815								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/01/90-10/13/93	17	50.	364.706	3900.	0.	903176.471	950.356	8.	10.	175.	1644.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/01/90-10/13/93	17	1.699	1.719	3.591	0.	0.753	0.868	0.8	1.	2.22	3.145
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			52.365								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/19/92-09/23/92	4	9.38	13.348	31.	3.63	147.59	12.149	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0236

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	8	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	45	0	0.00	14	0	0.00	10	0	0.00	5	0	0.00	16	0	0.00
00400	PH	Other-Hi Lim.	9.	46	0	0.00	14	0	0.00	10	0	0.00	5	0	0.00	17	0	0.00
		Other-Lo Lim.	6.5	46	0	0.00	14	0	0.00	10	0	0.00	5	0	0.00	17	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	38	0	0.00	10	0	0.00	9	0	0.00	5	0	0.00	14	0	0.00
		Other-Lo Lim.	6.5	38	0	0.00	10	0	0.00	9	0	0.00	5	0	0.00	14	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	38	0	0.00	10	0	0.00	9	0	0.00	5	0	0.00	14	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	35	0	0.00	10	0	0.00	7	0	0.00	5	0	0.00	13	0	0.00
		Drinking Water	250.	35	0	0.00	10	0	0.00	7	0	0.00	5	0	0.00	13	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	19	5	0.26	5	1	0.20				1	0	0.00	13	4	0.31

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0237

NPS Station ID: SACN0237 | LAT/LON: 45.131670/ -92.640004 | Agency: 21WITIS | Date Created: 06/22/91
Location: APPLE R 25 RIVERDALE FLOWAGE | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM/TISSUE | STORET Station ID(s): 565012 /6270MA565012/3118W295012
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 3.10 | On/Off RF1:
RF3 Index: 07030005000417.65 | RF3 Mile Point: 18.70 | Distance from RF3: 0.08 | On/Off RF3:
Description:
STATION FOR LIEBENSTEIN OF WRM-MADISON (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0237

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	05/23/89-05/23/89	11	1.48	1.629	2.82	0.57	0.544	0.737	0.61	1.12	2.38	2.746
00024	SAMPLE LENGTH IN INCHES	05/23/89-05/23/89	11	14.7	15.373	22.5	10.8	11.634	3.411	11.04	12.9	18.2	21.7
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	05/23/89-05/23/89	11	0.1	0.144	0.3	0.08	0.007	0.083	0.084	0.1	0.2	0.3
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/23/89-05/23/89	11	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0238

NPS Station ID: SACN0238 | LAT/LON: 45.592338/ -92.640837 | Agency: 21WIL | Date Created: 08/29/92
Location: TARBERT LAKE | FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 494020 /6270AG494020/3618W194020
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 20 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 12.20 | On/Off RF1:
RF3 Index: 07030005213200.00 | RF3 Mile Point: 0.92 | Distance from RF3: 0.23 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0238

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/07/79-08/07/79	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/07/79-08/07/79	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/07/79-08/07/79	1	181.	181.	181.	181.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/07/79-08/07/79	1	13.4	13.4	13.4	13.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/07/79-08/07/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/07/79-08/07/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/07/79-08/07/79	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/07/79-08/07/79	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/07/79-08/07/79	1	1.92	1.92	1.92	1.92	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/07/79-08/07/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/07/79-08/07/79	1	0.173	0.173	0.173	0.173	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/07/79-08/07/79	1	0.095	0.095	0.095	0.095	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/07/79-08/07/79	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/07/79-08/07/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/07/79-08/07/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/07/79-08/07/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/07/79-08/07/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/79-08/07/79	1	140.	140.	140.	140.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/07/79-08/07/79	1	67.4	67.4	67.4	67.4	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/07/79-08/07/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0238

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	1	1.00										1	1	1.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0238

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0239

NPS Station ID: SACN0239
LAT/LON: 45.942782/ -92.641670
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: CLAYTON 3 MI SE OF CLOVERDALE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0040
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 6.9 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 4.0 M
ECO Region:
RF1 Index: 07030001046
RF1 Mile Point: 0.590
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0239

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0240

NPS Station ID: SACN0240
LAT/LON: 45.942782/ -92.641670
Agency: 21MINNL
Date Created: 10/08/85
Location: LAKE: CLAYTON 3 MI SE OF CLOVERDALE
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 58-0040
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 6.9 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 4.0 M
ECO Region:
RF1 Index: 07030001046
RF1 Mile Point: 0.590
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030001141800.47
RF3 Mile Point: 0.47
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0240

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/85-08/28/85	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/28/85-08/28/85	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/85-08/28/85	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/28/85-08/28/85	1	7.15	7.15	7.15	7.15	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/28/85-08/28/85	1	7.15	7.15	7.15	7.15	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/85-08/28/85	1	0.071	0.071	0.071	0.071	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/28/85-08/28/85	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/85-08/28/85	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/85-08/28/85	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/85-08/28/85	1	0.055	0.055	0.055	0.055	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/85-08/28/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/85-08/28/85	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	08/28/85-08/28/85	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	08/28/85-08/28/85	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/85-08/28/85	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/85-08/28/85	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/85-08/28/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-08/28/85	1	4.	4.	4.	4.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0240

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0241

NPS Station ID: SACN0241
LAT/LON: 45.129920/ -92.641670
Agency: 21WIS
Date Created: 08/10/85
Location: APPLE R. 1000' BELOW RIVERDALE D
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563047 /6270AC563047
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 1
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005008
RF1 Mile Point: 8.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000809.40
RF3 Mile Point: 9.67
Distance from RF3: 0.03
On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)836-4267

Parameter Inventory for Station: SACN0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	19	10.	11.526	19.	6.	12.819	3.58	8.	10.	14.	18.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-08/20/85	20	40.	75.7	370.	5.	7687.168	87.676	11.	30.	97.5	229.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	07/24/85-08/20/85	20	1.602	1.674	2.568	0.699	0.19	0.436	1.03	1.477	1.989	2.354
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			47.238								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	18	45.	71.667	340.	10.	5944.118	77.098	19.	30.	82.5	187.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	07/24/85-08/12/85	18	1.651	1.701	2.531	1.	0.13	0.36	1.271	1.477	1.916	2.261
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			50.229								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	19	20.	36.842	230.	5.	2825.585	53.156	5.	5.	40.	100.
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	19	1.301	1.272	2.362	0.699	0.258	0.508	0.699	0.699	1.602	2.
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			18.719								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	20	50.	85.35	540.	7.	14902.976	122.078	11.	22.5	92.5	255.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	20	1.699	1.689	2.732	0.845	0.199	0.446	1.03	1.345	1.961	2.396
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			48.824								
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	1	26.	26.	26.	26.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0241

			Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	20	2	0.10	1	0	0.00							19	2	0.11

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0242

NPS Station ID: SACN0242 | LAT/LON: 45.289337/ -92.642670 | Agency: 21WIL | Date Created: 08/29/92
Location: OSCEOLA LAKE | FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 494016 /6270AG494016/3218W064016
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 14 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 18.90 | On/Off RF1:
RF3 Index: 07030005206100.84 | RF3 Mile Point: 1.50 | Distance from RF3: 0.02 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0242

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/09/79-08/09/79	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/09/79-08/09/79	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/09/79-08/09/79	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/09/79-08/09/79	1	148.	148.	148.	148.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/09/79-08/09/79	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/09/79-08/09/79	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/09/79-08/09/79	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/09/79-08/09/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/09/79-08/09/79	1	1.56	1.56	1.56	1.56	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/09/79-08/09/79	1	1.11	1.11	1.11	1.11	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/09/79-08/09/79	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/09/79-08/09/79	1	0.142	0.142	0.142	0.142	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/09/79-08/09/79	1	0.132	0.132	0.132	0.132	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/09/79-08/09/79	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/09/79-08/09/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/09/79-08/09/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/09/79-08/09/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/09/79-08/09/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/09/79-08/09/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/09/79-08/09/79	1	56.01	56.01	56.01	56.01	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/09/79-08/09/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0242

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	1	1.00										1	1	1.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0242

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0243

NPS Station ID: SACN0243 LAT/LON: 45.122865/ -92.644059 Agency: 21WIS Date Created: 08/10/85
Location: APPLE RIVER @ HWY 64 (3) FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 563048 /6270AC563048
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 1 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 0 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005008 RF1 Mile Point: 7.850 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005000803.68 RF3 Mile Point: 13.74 Distance from RF3: 0.00 On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)836-4267

Parameter Inventory for Station: SACN0243

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	19	11.	11.158	25.	8.	14.585	3.819	8.	9.	12.	14.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-09/30/85	20	75.	531.75	6500.	5.	2318861.25	1522.781	13.	42.5	117.5	2455.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	07/24/85-09/30/85	20	1.874	1.954	3.813	0.699	0.476	0.69	1.06	1.626	2.07	3.328
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			89.862								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	18	60.	558.611	5300.	5.	2176017.075	1475.133	18.5	37.5	97.5	3950.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	07/24/85-08/12/85	18	1.778	1.889	3.724	0.699	0.526	0.725	1.241	1.571	1.985	3.594
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			77.403								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	19	20.	146.842	2200.	5.	249303.363	499.303	5.	5.	40.	170.
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	19	1.301	1.324	3.342	0.699	0.476	0.69	0.699	0.699	1.602	2.23
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			21.072								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-09/30/85	20	65.	518.8	6000.	6.	1988108.8	1410.003	10.	50.	250.	2381.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-09/30/85	20	1.812	1.943	3.778	0.778	0.535	0.731	1.	1.699	2.358	3.335
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			87.617								
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	1	72.	72.	72.	72.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0243

			Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	20	3	0.15	1	1	1.00							19	2	0.11

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0244

NPS Station ID: SACN0244
LAT/LON: 45.030337/ -92.644338
Agency: 21WIS
Date Created: 04/03/93
Location: MOUNDS POND MIDDLE OF FLOWAGE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 563080 /6270AG563080/2919W023080
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR KEN SCHREIBER OF WESTERN EAU CLAIRE (715)839-3798 T29R19W02SENE

Parameter Inventory for Station: SACN0244

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/93-10/05/93	11	17.3	14.345	23.	0.	67.031	8.187	0.	10.	22.	22.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/93-10/05/93	2	2.95	2.95	3.5	2.4	0.605	0.778	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/05/93-10/05/93	5	1.6	1.72	2.5	0.9	0.372	0.61	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/05/93-10/05/93	2	32.5	32.5	50.	15.	612.5	24.749	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/05/93-10/05/93	1	367.	367.	367.	367.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/05/93-10/05/93	2	334.	334.	408.	260.	10952.	104.652	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/93-10/05/93	11	9.1	7.891	11.5	2.5	9.459	3.076	2.74	4.5	10.3	11.36
00400	PH (STANDARD UNITS)	02/23/93-10/05/93	9	8.12	8.059	8.6	7.6	0.13	0.36	7.6	7.65	8.33	8.6
00400	CONVERTED PH (STANDARD UNITS)	02/23/93-10/05/93	9	8.12	7.933	8.6	7.6	0.148	0.384	7.6	7.65	8.33	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/93-10/05/93	9	0.008	0.012	0.025	0.003	0.	0.009	0.003	0.005	0.022	0.025
00403	PH, LAB, STANDARD UNITS SU	05/05/93-10/05/93	2	8.2	8.2	8.3	8.1	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/05/93-10/05/93	2	8.189	8.189	8.3	8.1	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/05/93-10/05/93	2	0.006	0.006	0.008	0.005	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/05/93-10/05/93	2	142.5	142.5	177.	108.	2380.5	48.79	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/05/93-10/05/93	2	221.	221.	262.	180.	3362.	57.983	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/05/93-10/05/93	2	72.	72.	80.	64.	128.	11.314	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/05/93-10/05/93	2	7.	7.	10.	4.	18.	4.243	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/23/93-10/05/93	10	0.094	0.128	0.416	0.011	0.017	0.13	0.012	0.03	0.214	0.401
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/23/93-10/05/93	11	0.6	0.564	0.9	0.3	0.047	0.216	0.3	0.4	0.8	0.88
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/23/93-10/05/93	11	2.5	2.682	4.4	1.3	1.068	1.033	1.38	1.8	3.5	4.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/93-10/05/93	11	0.101	0.096	0.139	0.058	0.001	0.025	0.059	0.065	0.11	0.135
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/05/93-10/05/93	2	170.	170.	210.	130.	3200.	56.569	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/05/93-10/05/93	2	38.5	38.5	47.	30.	144.5	12.021	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/05/93-10/05/93	2	18.	18.	22.	14.	32.	5.657	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/05/93-10/05/93	2	6.	6.	6.	6.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/05/93-10/05/93	2	2.385	2.385	3.17	1.6	1.232	1.11	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/93-10/05/93	2	13.5	13.5	15.	12.	4.5	2.121	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/05/93-10/05/93	2	8.5	8.5	9.	8.	0.5	0.707	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/05/93-10/05/93	2	12.1	12.1	15.	9.2	16.82	4.101	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/93-10/05/93	1	44.	44.	44.	44.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/05/93-10/05/93	5	6.56	8.172	15.8	1.82	44.891	6.7	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/15/93-07/20/93	2	3.425	3.425	5.5	1.35	8.611	2.934	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/15/93-07/20/93	2	1.335	1.335	1.86	0.81	0.551	0.742	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/05/93-10/05/93	1	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0244

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00							1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	11	2	0.18	3	1	0.33	2	0	0.00				6	1	0.17
00400	PH	Other-Hi Lim.	9.	9	0	0.00	3	0	0.00	1	0	0.00				5	0	0.00
		Other-Lo Lim.	6.5	9	0	0.00	3	0	0.00	1	0	0.00				5	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00							1	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	11	0	0.00	3	0	0.00	2	0	0.00				6	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	250.	2	0	0.00	1	0	0.00							1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0245

NPS Station ID: SACN0245
LAT/LON: 45.127949/ -92.645921
Agency: 21WIS
Date Created: 02/09/77
Location: APPLE R @ RIVEREDGE BAR BRIDGE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563037
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005008
RF1 Mile Point: 8.090
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000803.68
RF3 Mile Point: 5.27
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0245

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/06/80	57	70.	105.877	800.	5.	19952.788	141.254	10.	30.	100.	266.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/23/77-08/06/80	57	1.845	1.781	2.903	0.699	0.212	0.461	1.	1.477	2.	2.424
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			60.464								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0245

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	57	9	0.16	14	6	0.43							43	3	0.07

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0246

NPS Station ID: SACN0246
LAT/LON: 45.406948/ -92.646948
Agency: 112WRD
Date Created: / /
Location: ST. CROIX RIVER AT ST. CROIX FALLS, WI
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05340500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 4.60
On/Off RF1:
RF3 Index: 07040001000700.35
RF3 Mile Point: 1.37
Distance from RF3: 0.14
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	159	7.5	9.497	27.	0.	78.65	8.868	0.	1.	18.	23.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/24/83-04/04/86	14	19.25	11.214	32.	-21.	213.412	14.609	3.75	8.125	25.25	-15.5
00025	BAROMETRIC PRESSURE (MM OF HG)	07/06/83-04/04/86	14	748.5	749.	771.	740.	68.154	8.256	740.5	741.75	752.75	764.
00060	FLOW, STREAM, MEAN DAILY CFS	11/06/66-06/03/68	4	4140.	4887.5	8430.	2840.	6270425.	2504.082	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	158	5425.	6498.892	36000.	887.	39962923.116	6321.623	1678.	2997.5	6912.5	11630.
00065	STAGE, STREAM (FEET)	05/24/83-07/06/83	2	6.785	6.785	9.12	4.45	10.904	3.302	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/02/74-06/08/78	28	2.	2.643	7.	0.	2.46	1.569	1.	2.	3.	5.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/78-02/24/86	46	2.7	3.38	20.	0.3	13.767	3.71	0.6	1.925	3.	5.
00080	COLOR (PLATINUM-COBALT UNITS)	11/06/66-11/06/66	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	157	175.	173.268	295.	78.	1945.428	44.107	119.6	139.	206.5	227.2
00300	OXYGEN, DISSOLVED MG/L	03/09/76-04/04/86	58	10.2	10.095	13.5	6.9	3.022	1.738	7.78	8.4	11.125	12.42
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/09/76-08/18/82	41	89.	87.024	106.	53.	147.974	12.164	68.8	79.	96.5	100.
00400	PH (STANDARD UNITS)	11/06/66-06/20/94	74	7.4	7.503	8.2	6.9	0.123	0.351	7.035	7.243	7.8	8.
00400	CONVERTED PH (STANDARD UNITS)	11/06/66-06/20/94	74	7.4	7.378	8.2	6.9	0.139	0.373	7.035	7.242	7.8	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/66-06/20/94	74	0.04	0.042	0.126	0.006	0.001	0.03	0.01	0.016	0.057	0.092
00403	PH, LAB, STANDARD UNITS SU	10/16/80-02/24/86	28	7.6	7.529	8.	7.	0.071	0.266	7.1	7.3	7.7	7.81
00403	CONVERTED PH, LAB, STANDARD UNITS	10/16/80-02/24/86	28	7.6	7.446	8.	7.	0.078	0.279	7.1	7.3	7.7	7.81
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/16/80-02/24/86	28	0.025	0.036	0.1	0.01	0.001	0.024	0.016	0.02	0.05	0.079
00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/74-04/09/81	39	5.6	6.703	24.	1.1	28.774	5.364	1.6	2.2	9.5	15.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/74-08/12/85	50	80.	75.68	102.	28.	279.569	16.72	49.1	64.25	89.	94.
00440	BICARBONATE ION (MG/L AS HCO3)	11/06/66-06/08/78	29	104.	97.483	124.	67.	264.544	16.265	73.	83.	109.5	115.
00445	CARBONATE ION (MG/L AS CO3)	11/06/66-03/31/78	24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	04/09/75-06/09/80	9	2.3	4.411	19.	0.08	36.096	6.008	0.08	0.63	6.25	19.
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	04/09/75-06/09/80	9	2.9	6.228	26.	0.23	66.189	8.136	0.23	0.965	8.345	26.
00600	NITROGEN, TOTAL (MG/L AS N)	10/02/74-04/09/81	48	0.82	0.859	1.8	0.4	0.096	0.309	0.467	0.668	0.948	1.5
00602	NITROGEN, DISSOLVED (MG/L AS N)	09/13/79-04/09/81	13	0.75	0.798	1.5	0.49	0.084	0.289	0.494	0.54	0.96	1.34
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/02/78-04/04/86	29	0.51	0.563	1.6	0.	0.099	0.314	0.26	0.395	0.69	0.87
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/10/79-04/09/81	12	0.44	0.485	0.82	0.31	0.024	0.154	0.313	0.348	0.615	0.766
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/10/79-06/20/94	37	0.05	0.063	0.25	0.	0.004	0.06	0.009	0.02	0.07	0.14
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/21/77-04/04/86	33	0.06	0.092	0.69	0.	0.015	0.122	0.014	0.03	0.095	0.212
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/07/85-06/20/94	6 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/07/86-04/04/86	2	0.295	0.295	0.36	0.23	0.008	0.092	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/21/77-04/09/81	29	0.52	0.541	1.1	0.07	0.043	0.207	0.33	0.38	0.665	0.87
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	02/02/78-04/09/81	26	0.09	0.141	0.72	0.	0.029	0.171	0.	0.	0.205	0.41
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/74-04/04/86	71	0.56	0.659	3.2	0.13	0.192	0.438	0.322	0.4	0.79	0.998
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/74-04/09/81	52	0.225	0.26	0.87	0.01	0.036	0.189	0.063	0.11	0.39	0.491
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/13/79-06/20/94	40	0.15	0.216	0.9	0.	0.037	0.193	0.05	0.1	0.3	0.49
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/20/79-07/03/79	3	0.15	0.183	0.28	0.12	0.007	0.085	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/07/81-06/01/82	4	0.09	0.082	0.09	0.06	0.	0.015	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/02/74-04/04/86	75	0.04	0.044	0.19	0.01	0.001	0.033	0.02	0.02	0.05	0.084
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/77-04/04/86	53	0.02	0.022	0.12	0.005	0.	0.02	0.005	0.01	0.025	0.046
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/13/81-06/20/94	25 ##	0.005	0.011	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/02/74-04/09/81	23	6.8	7.839	16.	1.7	11.156	3.34	4.58	5.9	9.	13.6
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	08/03/77-02/26/81	14	9.35	9.736	20.	1.5	22.367	4.729	3.25	6.575	12.5	17.5
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	08/03/77-02/26/81	14	0.5	0.557	1.4	0.1	0.189	0.435	0.1	0.2	0.875	1.35
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/66-02/24/86	62	87.	82.968	110.	33.	280.851	16.759	61.	69.5	96.	100.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/66-02/26/81	52	6.5	6.731	24.	0.	22.75	4.77	0.3	3.	10.75	12.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/66-02/24/86	75	22.	21.06	40.	8.5	27.959	5.288	13.	17.	25.	27.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/66-02/24/86	75	7.	6.613	9.2	1.8	2.497	1.58	4.2	5.4	7.9	8.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/06/66-02/24/86	74	3.1	3.073	9.2	1.5	0.852	0.923	2.15	2.6	3.4	3.8
00931	SODIUM ADSORPTION RATIO	10/02/74-02/24/86	61	0.1	0.149	0.2	0.1	0.003	0.05	0.1	0.1	0.2	0.2
00932	SODIUM, PERCENT	10/02/74-02/24/86	60	7.5	7.617	11.	5.	1.156	1.075	7.	7.	8.	8.9
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/66-02/24/86	74	1.	1.139	3.9	0.05	0.284	0.533	0.8	0.9	1.2	2.
00940	CHLORIDE,TOTAL IN WATER MG/L	11/06/66-02/24/86	75	3.	3.373	16.	2.	2.886	1.699	2.	3.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/06/66-02/24/86	75	5.	6.148	13.	0.1	5.705	2.389	4.	5.	7.	10.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/66-02/24/86	75	0.1	0.096	0.3	0.	0.004	0.06	0.05	0.05	0.1	0.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/06/66-02/24/86	74	11.5	11.861	27.	4.8	14.125	3.758	7.5	9.1	14.25	17.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/74-02/24/86	38	1.	0.961	3.	0.	0.248	0.498	0.5	0.5	1.	1.1
01001	ARSENIC, SUSPENDED (UG/L AS AS)	10/02/74-08/18/82	18	0.5	0.333	1.	0.	0.118	0.343	0.	0.	0.5	1.
01002	ARSENIC, TOTAL (UG/L AS AS)	10/02/74-08/18/82	22	1.	1.068	3.	0.	0.293	0.541	0.65	1.	1.	1.7
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/21/77-02/24/86	32	26.5	34.344	100.	19.	300.362	17.331	20.	21.	50.	50.
01006	BARIUM, SUSPENDED (UG/L AS BA)	10/21/77-08/18/82	12	0.	32.5	150.	0.	2638.636	51.368	0.	0.	80.	129.
01007	BARIUM, TOTAL (UG/L AS BA)	10/21/77-08/18/82	16 ##	50.	60.938	200.	0.	2247.396	47.407	0.	50.	87.5	130.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/02/82-02/24/86	16 ##	0.25	0.297	1.	0.25	0.035	0.188	0.25	0.25	0.25	0.475
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/74-02/24/86	38 ##	0.5	0.711	3.	0.	0.59	0.768	0.	0.	1.	2.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	10/02/74-02/26/81	18	0.	0.333	2.	0.	0.471	0.686	0.	0.	0.25	2.
01027	CADMIUM, TOTAL (UG/L AS CD)	10/02/74-08/18/82	22 ##	1.	0.909	3.	0.	0.825	0.908	0.	0.	2.	2.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/74-02/24/86	38 ##	1.5	3.75	10.	0.	16.659	4.082	0.	0.5	10.	10.
01031	CHROMIUM, SUSPEND (UG/L AS CR)	10/02/74-08/18/82	21	5.	6.	19.	0.	34.	5.831	0.	0.	10.	17.2
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/02/74-08/18/82	22 ##	10.	12.727	20.	10.	20.779	4.558	10.	10.	20.	20.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/74-02/24/86	38 ##	1.	0.842	3.	0.	0.583	0.763	0.	0.	1.5	1.5
01036	COBALT, SUSPENDED (UG/L AS CO)	10/02/74-02/26/81	17	0.	0.353	3.	0.	0.743	0.862	0.	0.	0.	2.2
01037	COBALT, TOTAL (UG/L AS CO)	10/02/74-08/18/82	22 ##	0.	0.455	3.	0.	0.617	0.785	0.	0.	1.	1.7
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/74-02/24/86	38	2.	2.237	10.	0.	4.713	2.171	0.	1.	3.	5.1
01041	COPPER, SUSPENDED (UG/L AS CU)	10/02/74-08/18/82	20	1.	3.6	24.	0.	33.832	5.816	0.	0.	4.75	9.9
01042	COPPER, TOTAL (UG/L AS CU)	10/02/74-08/18/82	22	4.	5.318	24.	0.	26.989	5.195	1.	2.	7.	10.
01044	IRON, SUSPENDED (UG/L AS FE)	10/21/77-08/18/82	16	415.	574.375	1700.	270.	142106.25	376.97	291.	330.	737.5	1203.
01045	IRON, TOTAL (UG/L AS FE)	06/03/68-08/18/82	23	700.	818.696	2100.	240.	234493.676	484.245	314.	500.	1000.	1700.
01046	IRON, DISSOLVED (UG/L AS FE)	10/02/74-02/24/86	38	365.	362.5	910.	40.	36340.419	190.632	78.2	275.	470.	642.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/74-02/24/86	38	2.	3.645	21.	0.	18.364	4.285	0.	0.5	6.25	8.1
01050	LEAD, SUSPENDED (UG/L AS PB)	10/02/74-08/18/82	21	1.	6.286	55.	0.	149.614	12.232	0.	0.	7.	18.2
01051	LEAD, TOTAL (UG/L AS PB)	10/02/74-08/18/82	22	8.	10.932	63.	0.5	170.817	13.07	1.	5.75	11.5	23.9
01054	MANGANESE, SUSPENDED (UG/L AS MN)	10/02/74-08/18/82	22	27.5	34.591	100.	0.	925.587	30.423	1.8	10.	60.	90.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/68-08/18/82	23	60.	71.957	160.	30.	1215.316	34.861	37.	40.	100.	122.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/02/74-02/24/86	38	24.	29.868	100.	3.	433.415	20.819	5.	17.5	40.	70.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/02/82-02/24/86	16 ##	5.	5.938	10.	5.	4.063	2.016	5.	5.	5.	10.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/10/79-02/24/86	24	0.5	1.458	11.	0.	5.303	2.303	0.	0.5	2.	3.5
01066	NICKEL, SUSPENDED (UG/L AS NI)	10/10/79-08/18/82	6	2.	2.	3.	1.	0.8	0.894	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/10/79-08/18/82	8	2.	3.563	14.	0.5	19.817	4.452	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/77-02/24/86	32 ##	0.5	0.344	1.	0.	0.088	0.296	0.	0.	0.5	0.5
01076	SILVER, SUSPENDED (UG/L AS AG)	10/21/77-02/26/81	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01077	SILVER, TOTAL (UG/L AS AG)	10/21/77-08/18/82	18 ##	0.	0.139	1.	0.	0.083	0.287	0.	0.	0.125	0.55
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/02/82-02/24/86	16	36.5	36.563	49.	24.	73.463	8.571	25.4	28.25	45.75	48.3
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/02/82-02/24/86	16 ##	3.	3.188	6.	3.	0.563	0.75	3.	3.	3.	3.9
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/74-02/24/86	38 ##	4.5	8.145	67.	0.	143.026	11.959	0.	1.5	10.	20.
01091	ZINC, SUSPENDED (UG/L ZN)	10/02/74-02/01/82	19	10.	10.895	40.	0.	164.988	12.845	0.	0.	10.	40.
01092	ZINC, TOTAL (UG/L AS ZN)	10/02/74-08/18/82	22 ##	10.	17.045	50.	0.	196.807	14.029	6.5	10.	22.5	47.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/02/82-02/24/86	16	20.	21.563	70.	5.	275.729	16.605	5.	10.	30.	49.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/02/82-02/24/86	16 ##	2.	3.313	16.	2.	12.363	3.516	2.	2.	3.5	8.3
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/02/74-02/24/86	38 ##	0.5	0.434	0.5	0.	0.029	0.171	0.	0.5	0.5	0.5
01146	SELENIUM, SUSPENDED (UG/L AS SE)	10/02/74-02/26/81	18	0.	0.056	1.	0.	0.056	0.236	0.	0.	0.	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01147	SELENIUM, TOTAL (UG/L AS SE)	10/02/74-08/18/82	21 ##	0.5	0.405	1.	0.	0.065	0.256	0.	0.25	0.5	0.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/02/74-09/09/76	15	10.	22.4	67.	4.	451.686	21.253	4.	7.	48.	58.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/02/74-09/09/76	15	1.	1.159	1.826	0.602	0.18	0.425	0.602	0.845	1.681	1.76
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.43								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/76-04/04/86	59	14.	46.373	420.	2.	6509.996	80.685	5.	7.	39.	150.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/76-04/04/86	59	1.146	1.288	2.623	0.301	0.288	0.537	0.699	0.845	1.591	2.176
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			19.428								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/15/76-04/04/86	59	65.	267.61	2000.	1.	263859.207	513.672	6.	16.	210.	1300.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/15/76-04/04/86	59	1.813	1.792	3.301	0.	0.652	0.808	0.778	1.204	2.322	3.114
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			61.951								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/02/74-09/09/76	15	20.	71.467	345.	2.	10481.41	102.379	3.2	8.	110.	294.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/02/74-09/09/76	15	1.301	1.414	2.538	0.301	0.469	0.685	0.482	0.903	2.041	2.464
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			25.959								
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	04/09/75-05/04/76	3	0.51	0.437	0.7	0.1	0.094	0.307	**	**	**	**
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	04/09/75-05/04/76	3	4.7	9.167	22.	0.8	127.323	11.284	**	**	**	**
60050	ALGAE, TOTAL (CELLS/ML)	10/02/74-11/03/80	30	5400.	11150.733	65000.	2.	211449040.961	14541.287	126.	1107.5	17000.	29500.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/66-02/24/86	75	117.	113.107	156.	52.	327.07	18.085	92.2	100.	127.	131.8
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/74-02/24/86	61	104.	100.508	130.	46.	351.521	18.749	75.2	83.	116.	121.8
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/02/74-11/02/82	59	1510.	1515.119	5080.	322.	929600.589	964.158	539.	738.	1850.	2560.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/74-11/02/82	59	0.16	0.157	0.2	0.09	0.	0.021	0.13	0.14	0.17	0.18
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/09/76-04/04/86	61	88.	80.836	100.	0.	584.273	24.172	47.8	73.	100.	100.
70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	01/11/77-06/09/80	3	204.	1684.767	4813.	37.3	7346330.063	2710.411	**	**	**	**
70955	CHLOROPHYLL-A,PERIDHYTON UG/L,CHROMO-SPECTRO	01/11/77-01/11/77	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
70956	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-SPECTRO	01/11/77-01/11/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	06/08/78-06/09/80	4	14.7	11.725	17.	0.5	58.302	7.636	**	**	**	**
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	06/08/78-06/09/80	4	0.6	2.1	7.2	0.	11.88	3.447	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/20/79-01/12/81	8	0.045	0.143	0.8	0.	0.071	0.267	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/10/79-04/04/86	22	0.08	0.093	0.32	0.	0.006	0.08	0.01	0.03	0.125	0.241
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/06/66-11/06/66	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/20/79-04/04/86	36	0.105	0.136	0.49	0.03	0.012	0.108	0.051	0.06	0.173	0.28
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/02/74-04/09/81	48	3.6	3.819	8.1	1.8	1.963	1.401	2.08	2.95	4.2	6.71
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/02/74-02/24/86	38 ##	0.2	0.279	2.5	0.05	0.208	0.456	0.05	0.05	0.25	0.51
71895	MERCURY, SUSPENDED (UG/L AS HG)	10/02/74-04/06/82	19	0.	0.047	0.5	0.	0.015	0.122	0.	0.	0.	0.2
71900	MERCURY, TOTAL (UG/L AS HG)	10/02/74-08/18/82	22 ##	0.25	0.284	0.6	0.1	0.021	0.145	0.1	0.2	0.288	0.57
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/03/74-04/04/86	69	5.	8.797	54.	1.	100.341	10.017	1.	3.	11.	20.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/03/74-08/18/82	52	49.	158.417	2620.	5.1	145068.622	380.879	11.6	17.	168.5	306.9
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	01/12/81-04/09/81	3	1.6	1.3	1.6	0.7	0.27	0.52	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0246

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	28	0	0.00	8	0	0.00	7	0	0.00	6	0	0.00	7	0	0.00
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	46	0	0.00	12	0	0.00	15	0	0.00	7	0	0.00	12	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	58	0	0.00	14	0	0.00	17	0	0.00	12	0	0.00	15	0	0.00
00400	PH	Other-Hi Lim.	9.	74	0	0.00	21	0	0.00	21	0	0.00	13	0	0.00	19	0	0.00
		Other-Lo Lim.	6.5	74	0	0.00	21	0	0.00	21	0	0.00	13	0	0.00	19	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	28	0	0.00	8	0	0.00	9	0	0.00	5	0	0.00	6	0	0.00
		Other-Lo Lim.	6.5	28	0	0.00	8	0	0.00	9	0	0.00	5	0	0.00	6	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	6	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00				1	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	52	0	0.00	14	0	0.00	16	0	0.00	9	0	0.00	13	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	40	0	0.00	12	0	0.00	12	0	0.00	8	0	0.00	8	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	75	0	0.00	21	0	0.00	22	0	0.00	13	0	0.00	19	0	0.00
		Drinking Water	250.	75	0	0.00	21	0	0.00	22	0	0.00	13	0	0.00	19	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	75	0	0.00	21	0	0.00	22	0	0.00	13	0	0.00	19	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	75	0	0.00	21	0	0.00	22	0	0.00	13	0	0.00	19	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
		Drinking Water	50.	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0246

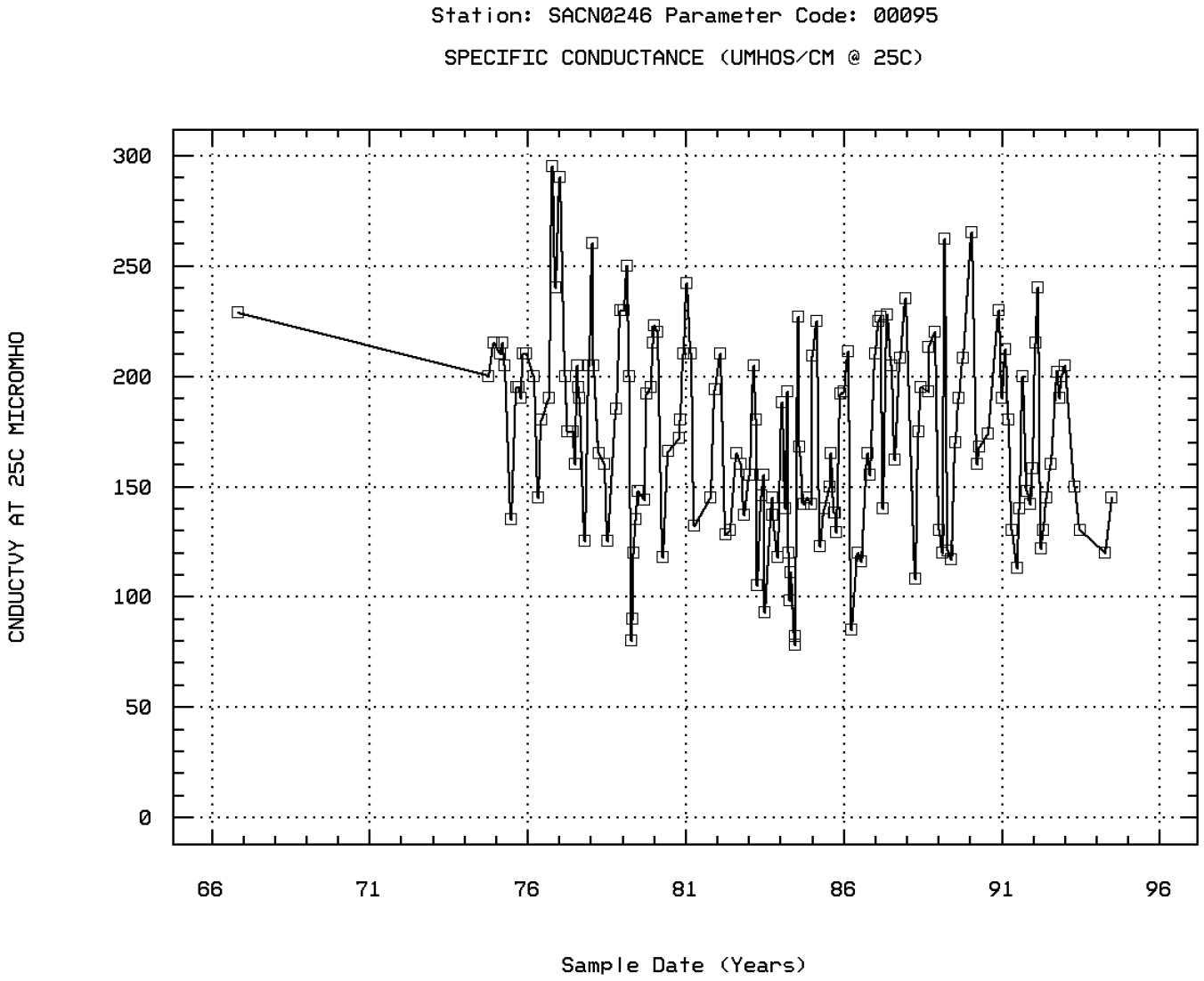
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	18	0	0.00	7	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00
		Drinking Water	50.	18	0	0.00	7	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	22	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	50.	22	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	32	0	0.00	10	0	0.00	9	0	0.00	5	0	0.00	8	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	12	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	16	0	0.00	6	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	16	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00
		Drinking Water	4.	16	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
		Drinking Water	5.	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	18	0	0.00	6	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00
		Drinking Water	5.	18	0	0.00	6	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	22	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	5.	22	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	21	0	0.00	7	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	22	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
		Drinking Water	1300.	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
01041	COPPER, SUSPENDED	Fresh Acute	18.	20	1	0.05	6	1	0.17	6	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	1300.	20	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	22	1	0.05	8	1	0.13	6	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	1300.	22	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
		Drinking Water	15.	38	1	0.03	12	0	0.00	10	1	0.10	7	0	0.00	9	0	0.00
01050	LEAD, SUSPENDED	Fresh Acute	82.	21	0	0.00	8	0	0.00	5	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	15.	21	2	0.10	8	0	0.00	5	1	0.20	4	0	0.00	4	1	0.25
01051	LEAD, TOTAL	Fresh Acute	82.	22	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	15.	22	4	0.18	8	0	0.00	6	2	0.33	4	1	0.25	4	1	0.25
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	24	0	0.00	8	0	0.00	7	0	0.00	4	0	0.00	5	0	0.00
		Drinking Water	100.	24	0	0.00	8	0	0.00	7	0	0.00	4	0	0.00	5	0	0.00
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	100.	6	0	0.00	4	0	0.00	2	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	4	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	100.	8	0	0.00	4	0	0.00	3	0	0.00	1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	32	0	0.00	10	0	0.00	9	0	0.00	5	0	0.00	8	0	0.00
		Drinking Water	100.	32	0	0.00	10	0	0.00	9	0	0.00	5	0	0.00	8	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	13	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00
		Drinking Water	100.	13	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	18	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	4	0	0.00
		Drinking Water	100.	18	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	4	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
		Drinking Water	5000.	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
01091	ZINC, SUSPENDED	Fresh Acute	120.	19	0	0.00	7	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00
		Drinking Water	5000.	19	0	0.00	7	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	22	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	5000.	22	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
		Drinking Water	50.	38	0	0.00	12	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	18	0	0.00	7	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00
		Drinking Water	50.	18	0	0.00	7	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	21	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00	4	0	0.00
		Drinking Water	50.	21	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00	4	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	15	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	59	4	0.07	14	0	0.00	19	0	0.00	11	1	0.09	15	3	0.20
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	38	1	0.03	12	0	0.00	10	0	0.00	7	0	0.00	9	1	0.11
		Drinking Water	2.	38	1	0.03	12	0	0.00	10	0	0.00	7	0	0.00	9	1	0.11

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0246

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	19	0	0.00	5	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	2.	19	0	0.00	5	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	22	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	2.	22	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



ST. CROIX RIVER AT ST. CROIX FALLS, WI

Annual Analysis for 1966 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	1	229.	229.	229.	229.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	2	5.75	5.75	9.5	2.	28.125	5.303	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	2	1850.	1850.	1940.	1760.	16200.	127.279	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	2	207.5	207.5	215.	200.	112.5	10.607	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	9	7.5	8.944	22.5	0.	86.528	9.302	0.	0.5	18.	22.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	9	4400.	4462.222	9210.	1900.	5986319.444	2446.696	1900.	1900.	5900.	9210.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	9	205.	196.111	215.	135.	598.611	24.467	135.	192.5	210.	215.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	6	10.	11.417	25.5	1.	94.642	9.728	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	6	2410.	3165.	6130.	1330.	3920270.	1979.967	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	6	195.	208.333	295.	145.	2746.667	52.409	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	10	17.	13.85	26.5	0.	100.447	10.022	0.05	0.875	21.625	26.05
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	10	2405.	3555.	8100.	1470.	5741383.333	2396.118	1485.	1650.	5897.5	7900.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	10	192.5	192.	290.	125.	1790.	42.308	128.5	171.25	205.	281.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	7	1.5	7.286	21.	0.	82.988	9.11	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	7	4490.	6175.714	14600.	2250.	20117328.571	4485.235	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	7	185.	190.	260.	125.	2083.333	45.644	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	12	8.25	8.292	24.	0.	70.294	8.384	0.	0.25	14.25	22.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	12	6160.	9355.	30600.	1600.	92463918.182	9615.816	2092.	4295.	8232.5	29970.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	12	170.	166.583	250.	80.	3025.356	55.003	83.	123.75	211.25	244.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	7	2.5	4.929	19.	0.	46.452	6.816	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	7	3770.	4069.857	9790.	909.	9165053.476	3027.384	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	7	180.	184.143	223.	118.	1388.81	37.267	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	5	0.5	3.9	11.	0.	27.3	5.225	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	5	4350.	4566.	7380.	2330.	4032630.	2008.141	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	5	194.	184.6	242.	132.	2090.8	45.725	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	6	10.5	10.667	23.	0.	96.967	9.847	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	6	5940.	7178.333	18100.	1760.	31491616.667	5611.739	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	6	148.5	155.	210.	128.	965.6	31.074	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	10	9.5	9.6	21.5	0.5	78.433	8.856	0.5	0.5	18.	21.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	10	6465.	8209.	18600.	4150.	20168654.444	4490.953	4259.	6050.	9512.5	18130.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	10	145.5	143.9	205.	93.	1123.433	33.518	94.2	114.75	161.25	202.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	13	6.	8.923	24.5	0.	84.244	9.178	0.2	1.	19.5	23.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	13	6860.	12343.077	34500.	3910.	102390173.077	10118.803	4490.	5660.	15500.	33580.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	13	142.	141.077	227.	78.	1974.744	44.438	79.6	104.5	178.	213.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	10	8.8	9.86	24.	0.	84.696	9.203	0.	0.75	18.625	23.65
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	10	6190.	6836.	11900.	3660.	6114582.222	2472.768	3780.	4972.5	8330.	11681.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	10	145.	160.9	225.	123.	1273.878	35.691	123.6	135.75	196.25	223.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	7	4.2	8.886	25.	0.	90.158	9.495	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	8	6275.	13501.25	36000.	1800.	199228269.643	14114.824	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	7	155.	149.286	211.	85.	2016.238	44.903	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	9	5.	9.056	25.5	1.	89.84	9.478	1.	2.	17.75	25.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	9	3420.	3637.778	5540.	1780.	963969.444	981.819	1780.	3340.	4020.	5540.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	9	210.	204.444	235.	140.	1052.278	32.439	140.	183.5	227.5	235.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	6	17.75	14.583	23.	3.	60.642	7.787	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	6	2405.	4326.667	11000.	1450.	15730666.667	3966.19	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	6	194.	184.	220.	108.	1639.2	40.487	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	8	10.5	10.938	27.	0.5	101.174	10.059	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	8	2185.	3670.875	9730.	977.	10182006.125	3190.926	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	8	150.	164.75	262.	117.	2771.071	52.641	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	6	7.	8.75	24.	0.	101.875	10.093	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	6	5510.	5386.667	12200.	950.	14847066.667	3853.189	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	5	174.	199.4	265.	160.	2105.8	45.889	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	10	6.75	9.95	26.	0.	119.081	10.912	0.	0.	20.625	25.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	10	5675.	5181.9	11600.	887.	10703337.433	3271.596	889.5	2140.5	7290.	11181.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	10	153.	161.3	212.	113.	1063.122	32.606	114.7	137.5	192.5	210.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	10	3.75	7.8	21.5	0.	68.178	8.257	0.	0.375	15.625	20.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	10	4205.	5409.	11400.	1820.	12018721.111	3466.803	1886.	2795.	7565.	11390.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	10	195.	180.9	240.	122.	1546.1	39.32	122.8	141.25	207.5	237.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	2	16.	16.	18.5	13.5	12.5	3.536	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	2	8805.	8805.	10900.	6710.	8778050.	2962.777	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	2	140.	140.	150.	130.	200.	14.142	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	2	16.	16.	24.	8.	128.	11.314	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	2	7860.	7860.	9400.	6320.	4743200.	2177.889	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	2	132.5	132.5	145.	120.	312.5	17.678	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	45	9.5	10.778	26.	0.	48.221	6.944	1.	5.25	16.	20.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	44	4360.	4281.818	9710.	1330.	5353019.873	2313.659	1635.	1900.	6320.	7265.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/78-02/24/86	12	2.65	3.833	20.	0.3	27.497	5.244	0.39	1.4	3.075	15.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	44	190.	178.455	295.	118.	1272.951	35.678	137.	145.	200.	216.5
00300	OXYGEN, DISSOLVED MG/L	03/09/76-04/04/86	14	10.2	10.143	12.7	8.	2.003	1.415	8.15	8.7	10.875	12.55
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/09/76-08/18/82	10	95.5	95.1	101.	86.	30.322	5.507	86.2	90.25	100.25	101.
00400p	PH (STANDARD UNITS)	11/06/66-06/20/94	21	7.8	7.683	8.2	7.05	0.125	0.354	7.13	7.35	8.	8.096
00400p	CONVERTED PH (STANDARD UNITS)	11/06/66-06/20/94	21	7.8	7.543	8.2	7.05	0.146	0.381	7.13	7.35	8.	8.096
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/66-06/20/94	21	0.016	0.029	0.089	0.006	0.001	0.024	0.008	0.01	0.045	0.075
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/74-08/12/85	13	84.	81.769	99.	55.	134.026	11.577	59.	77.5	89.	96.6
00600	NITROGEN, TOTAL (MG/L AS N)	10/02/74-04/09/81	12	0.63	0.627	0.89	0.4	0.034	0.184	0.406	0.44	0.803	0.89
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/74-04/04/86	18	0.5	0.492	0.81	0.25	0.021	0.145	0.295	0.338	0.6	0.63
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/74-04/09/81	14	0.11	0.137	0.56	0.01	0.017	0.132	0.015	0.087	0.135	0.39
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/02/74-04/04/86	20	0.03	0.033	0.05	0.01	0.	0.011	0.02	0.023	0.04	0.05
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/77-04/04/86	13	0.01	0.017	0.06	0.005	0.	0.015	0.007	0.01	0.02	0.048
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/66-02/24/86	18	90.	87.611	110.	61.	191.193	13.827	61.9	81.75	99.25	102.8
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/66-02/26/81	15	6.	6.8	24.	0.	39.171	6.259	0.	3.	11.	17.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/66-02/24/86	20	23.5	23.05	40.	16.	29.208	5.404	16.1	18.25	25.5	27.9
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/66-02/24/86	20	7.3	6.835	9.1	1.8	2.622	1.619	5.22	5.675	7.975	8.38
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/06/66-02/24/86	20	3.1	3.345	9.2	2.1	2.099	1.449	2.41	2.75	3.3	3.98
00931	SODIUM ADSORPTION RATIO	10/02/74-02/24/86	17	0.1	0.135	0.2	0.1	0.002	0.049	0.1	0.1	0.2	0.2
00932	SODIUM, PERCENT	10/02/74-02/24/86	16	7.	7.438	11.	6.	1.329	1.153	6.	7.	8.	8.9
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/66-02/24/86	20	0.9	0.888	1.5	0.05	0.114	0.337	0.3	0.825	1.1	1.19
00940	CHLORIDE,TOTAL IN WATER MG/L	11/06/66-02/24/86	21	3.	4.095	16.	3.	8.09	2.844	3.	3.	4.	5.8
00945	SULFATE, TOTAL (MG/L AS SO4)	11/06/66-02/24/86	21	5.	5.671	13.	0.1	7.677	2.771	3.	4.	6.5	9.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/66-02/24/86	21	0.1	0.107	0.3	0.	0.006	0.075	0.01	0.05	0.15	0.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/06/66-02/24/86	20	11.5	12.	27.	5.7	15.262	3.907	9.37	11.	12.75	13.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/74-02/24/86	12	1.	0.917	2.	0.5	0.174	0.417	0.5	0.5	1.	1.7
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/21/77-02/24/86	10	22.5	29.3	50.	19.	161.567	12.711	19.	19.75	42.5	50.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/74-02/24/86	12 ##	0.5	0.75	3.	0.	0.659	0.812	0.	0.125	1.	2.4
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/74-02/24/86	12 ##	1.5	3.75	10.	0.	17.977	4.24	0.	0.125	9.	10.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/74-02/24/86	12 ##	0.75	0.833	3.	0.	0.879	0.937	0.	0.	1.5	2.55
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/74-02/24/86	12	2.	2.292	8.	0.	5.839	2.416	0.	0.625	2.75	7.4
01046	IRON, DISSOLVED (UG/L AS FE)	10/02/74-02/24/86	12	350.	309.417	660.	50.	39520.447	198.798	59.	84.75	430.	618.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/74-02/24/86	12	1.	2.417	11.	0.	10.765	3.281	0.	0.125	3.75	9.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/02/74-02/24/86	12	20.	18.	30.	5.	34.727	5.893	7.4	14.5	20.	27.
01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/77-02/24/86	10 ##	0.5	0.4	1.	0.	0.156	0.394	0.	0.	0.625	1.
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/74-02/24/86	12 ##	1.5	8.458	67.	0.	353.566	18.803	0.	0.	9.	49.9
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/02/74-02/24/86	12 ##	0.5	0.375	0.5	0.	0.051	0.226	0.	0.125	0.5	0.5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/76-04/04/86	14	28.	26.357	67.	4.	281.016	16.764	5.5	10.75	35.25	53.5
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/76-04/04/86	14	1.446	1.317	1.826	0.602	0.117	0.342	0.724	1.031	1.547	1.714
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			20.772								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/15/76-04/04/86	14	80.	225.	2000.	11.	268217.077	517.897	11.	20.25	127.5	1160.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/15/76-04/04/86	14	1.897	1.848	3.301	1.041	0.386	0.621	1.041	1.291	2.081	2.903
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			70.526								
60050	ALGAE, TOTAL (CELLS/ML)	10/02/74-11/03/80	10	7550.	16264.	65000.	110.	462059337.778	21495.566	182.	1107.5	26750.	62600.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/66-02/24/86	21	115.	115.476	156.	99.	222.162	14.905	99.	101.	125.	134.8
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/74-02/24/86	17	106.	103.647	124.	81.	179.868	13.411	81.	95.5	111.5	123.2
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/02/74-11/02/82	17	1010.	1152.412	2190.	388.	370337.882	608.554	508.8	619.5	1665.	2166.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/74-11/02/82	17	0.16	0.159	0.19	0.13	0.	0.017	0.138	0.145	0.17	0.182
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/09/76-04/04/86	13	89.	90.077	100.	73.	98.41	9.92	73.4	83.5	100.	100.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/02/74-04/09/81	12	2.8	2.767	3.9	1.8	0.652	0.807	1.83	1.9	3.575	3.9
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/02/74-02/24/86	12 ##	0.175	0.183	0.6	0.05	0.027	0.163	0.05	0.05	0.25	0.495
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/03/74-04/04/86	16	4.5	4.813	12.	1.	10.563	3.25	1.	2.25	6.75	10.6
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/03/74-08/18/82	12	16.	40.917	131.	5.1	1751.885	41.856	5.34	13.25	72.5	121.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	40	0.5	0.513	2.	0.	0.365	0.604	0.	0.	1.	1.45
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	40	3540.	3563.95	9110.	887.	3447618.203	1856.776	1002.	1805.	5107.5	5777.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/78-02/24/86	15	2.5	2.187	3.	0.5	0.734	0.857	0.8	1.5	2.9	3.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	40	210.	208.3	290.	120.	1262.574	35.533	143.3	196.75	228.75	249.2
00300	OXYGEN, DISSOLVED MG/L	03/09/76-04/04/86	17	10.6	10.518	13.5	7.8	2.615	1.617	8.28	9.4	11.7	13.1
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/09/76-08/18/82	13	76.	76.769	97.	53.	189.359	13.761	55.	67.	91.	95.8
00400p	PH (STANDARD UNITS)	11/06/66-06/20/94	21	7.3	7.258	7.6	6.9	0.039	0.196	6.984	7.06	7.4	7.5
00400p	CONVERTED PH (STANDARD UNITS)	11/06/66-06/20/94	21	7.3	7.215	7.6	6.9	0.04	0.201	6.984	7.06	7.4	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/66-06/20/94	21	0.05	0.061	0.126	0.025	0.001	0.029	0.032	0.04	0.087	0.104
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/74-08/12/85	14	90.5	86.571	102.	49.	165.033	12.847	62.5	81.5	94.25	99.
00600	NITROGEN, TOTAL (MG/L AS N)	10/02/74-04/09/81	14	0.82	0.843	1.5	0.6	0.049	0.22	0.63	0.705	0.923	1.25
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/74-04/04/86	20	0.415	0.492	1.9	0.13	0.124	0.351	0.266	0.35	0.52	0.649
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/74-04/09/81	16	0.39	0.402	0.87	0.23	0.021	0.144	0.265	0.323	0.45	0.611
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/02/74-04/04/86	22	0.025	0.039	0.16	0.01	0.002	0.041	0.02	0.02	0.033	0.13
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/77-04/04/86	18	0.02	0.024	0.12	0.005	0.001	0.026	0.005	0.01	0.03	0.048
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/66-02/24/86	20	96.	92.95	110.	60.	125.103	11.185	78.5	87.	98.75	109.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/66-02/26/81	16	6.5	6.313	16.	0.	24.763	4.976	0.	1.5	10.5	14.6
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/66-02/24/86	22	25.	24.318	29.	14.	9.275	3.045	21.3	23.	26.	27.7
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/66-02/24/86	22	8.	7.768	9.2	5.6	0.675	0.821	6.37	7.2	8.2	8.75
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/06/66-02/24/86	22	3.45	3.427	4.	2.2	0.147	0.383	3.03	3.3	3.65	3.87
00931	SODIUM ADSORPTION RATIO	10/02/74-02/24/86	20	0.2	0.175	0.2	0.1	0.002	0.044	0.1	0.125	0.2	0.2
00932	SODIUM, PERCENT	10/02/74-02/24/86	20	7.	7.6	11.	5.	2.042	1.429	6.1	7.	8.	10.8
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/66-02/24/86	22	1.	1.182	3.9	0.4	0.454	0.674	0.9	0.9	1.125	1.86
00940	CHLORIDE,TOTAL IN WATER MG/L	11/06/66-02/24/86	22	3.	3.5	6.	3.	0.643	0.802	3.	3.	4.	4.7
00945	SULFATE, TOTAL (MG/L AS SO4)	11/06/66-02/24/86	22	6.	6.864	12.	4.	4.409	2.1	5.	5.	8.25	10.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/66-02/24/86	22	0.1	0.089	0.2	0.05	0.001	0.034	0.05	0.05	0.1	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/06/66-02/24/86	22	15.	14.809	18.	4.8	7.868	2.805	12.	14.	17.	17.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/74-02/24/86	10	1.	0.85	2.	0.	0.281	0.53	0.05	0.5	1.	1.9
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/21/77-02/24/86	9	32.	42.222	100.	23.	611.444	24.727	23.	24.	50.	100.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/74-02/24/86	10 ##	0.5	0.75	2.	0.	0.514	0.717	0.	0.375	1.25	2.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/74-02/24/86	10 ##	2.5	4.2	10.	0.	18.122	4.257	0.05	0.5	10.	10.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/74-02/24/86	10 ##	1.	0.85	1.5	0.	0.447	0.669	0.	0.	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/74-02/24/86	10	2.	2.25	10.	0.	8.181	2.86	0.	0.375	2.	9.2
01046	IRON, DISSOLVED (UG/L AS FE)	10/02/74-02/24/86	10	345.	364.	640.	40.	25471.111	159.597	64.	295.	470.	626.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/74-02/24/86	10	1.	4.65	21.	0.	43.281	6.579	0.05	0.5	7.25	19.7
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/02/74-02/24/86	10	32.	41.	100.	18.	636.	25.219	18.4	25.75	47.5	97.
01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/77-02/24/86	9 ##	0.5	0.278	0.5	0.	0.069	0.264	0.	0.	0.5	0.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/74-02/24/86	10	10.	11.25	30.	0.	83.069	9.114	0.15	2.625	16.25	29.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/02/74-02/24/86	10 ##	0.5	0.4	0.5	0.	0.044	0.211	0.	0.375	0.5	0.5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/76-04/04/86	19	7.	17.263	150.	2.	1136.76	33.716	4.	5.	12.	50.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/76-04/04/86	19	0.845	0.951	2.176	0.301	0.166	0.407	0.602	0.699	1.079	1.699
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			8.935								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/15/76-04/04/86	19	20.	135.947	1600.	1.	143626.164	378.98	1.	4.	53.	600.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/15/76-04/04/86	19	1.301	1.252	3.204	0.	0.715	0.846	0.	0.602	1.724	2.778
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			17.853								
60050	ALGAE, TOTAL (CELLS/ML)	10/02/74-11/03/80	4	1060.	2780.5	9000.	2.	18029894.333	4246.162	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/66-02/24/86	22	127.	124.818	146.	96.	121.584	11.027	105.1	120.5	131.	135.8
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/74-02/24/86	20	118.5	114.95	130.	91.	96.787	9.838	98.5	108.5	120.75	126.7
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/02/74-11/02/82	18	983.5	1058.5	2000.	322.	282555.206	531.559	459.7	547.5	1520.	1946.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/74-11/02/82	18	0.175	0.171	0.2	0.13	0.	0.017	0.139	0.16	0.18	0.191
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/09/76-04/04/86	18	78.5	68.611	100.	0.	1033.075	32.141	5.4	58.25	92.5	100.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/02/74-04/09/81	14	3.6	3.75	6.8	2.7	1.029	1.014	2.8	3.1	4.1	5.65
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/02/74-02/24/86	10 ##	0.15	0.15	0.25	0.05	0.008	0.088	0.05	0.05	0.25	0.25
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/03/74-04/04/86	20	2.5	4.9	20.	1.	27.042	5.2	1.	2.	7.	14.7
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/03/74-08/18/82	16	20.	40.606	269.	6.1	4029.886	63.481	7.85	14.5	43.75	130.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	25	2.	3.04	14.	0.	11.873	3.446	0.	0.5	5.	8.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	26	8725.	10639.115	36000.	977.	71542725.946	8458.293	3998.	5497.5	12500.	23470.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/78-02/24/86	7	3.	3.3	5.	0.5	2.317	1.522	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	25	160.	158.44	262.	85.	2166.84	46.549	102.2	120.	200.	219.8
00300	OXYGEN, DISSOLVED MG/L	03/09/76-04/04/86	12	11.8	11.692	13.1	10.5	0.592	0.769	10.62	11.025	12.375	12.89
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/09/76-08/18/82	8	87.	89.25	106.	75.	98.786	9.939	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/66-06/20/94	13	7.4	7.418	7.9	6.9	0.086	0.293	6.98	7.2	7.65	7.86
00400p	CONVERTED PH (STANDARD UNITS)	11/06/66-06/20/94	13	7.4	7.329	7.9	6.9	0.094	0.307	6.98	7.2	7.65	7.86
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/66-06/20/94	13	0.04	0.047	0.126	0.013	0.001	0.032	0.014	0.023	0.063	0.107
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/74-08/12/85	9	71.	70.222	94.	45.	291.194	17.064	45.	54.5	86.5	94.
00600	NITROGEN, TOTAL (MG/L AS N)	10/02/74-04/09/81	9	0.95	1.11	1.8	0.66	0.142	0.377	0.66	0.82	1.45	1.8
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/74-04/04/86	14	0.675	0.889	3.2	0.26	0.549	0.741	0.33	0.49	0.923	2.4
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/74-04/09/81	9	0.39	0.413	0.71	0.23	0.029	0.17	0.23	0.275	0.545	0.71
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/02/74-04/04/86	14	0.055	0.056	0.1	0.02	0.001	0.024	0.025	0.03	0.073	0.095
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/77-04/04/86	9	0.02	0.028	0.07	0.005	0.	0.018	0.005	0.02	0.035	0.07
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/66-02/24/86	10	78.	74.5	100.	50.	298.278	17.271	50.	59.	89.25	99.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/66-02/26/81	8	5.	5.875	11.	2.	12.696	3.563	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/66-02/24/86	13	17.	17.692	27.	11.	28.064	5.298	11.	13.	22.5	25.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/66-02/24/86	13	5.4	5.738	8.2	3.7	2.673	1.635	3.74	4.2	7.35	8.04
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/06/66-02/24/86	13	2.9	2.785	3.6	1.9	0.328	0.573	1.94	2.25	3.35	3.52
00931	SODIUM ADSORPTION RATIO	10/02/74-02/24/86	10	0.1	0.14	0.2	0.1	0.003	0.052	0.1	0.1	0.2	0.2
00932	SODIUM, PERCENT	10/02/74-02/24/86	10	8.	7.7	8.	7.	0.233	0.483	7.	7.	8.	8.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/66-02/24/86	13	1.7	1.608	2.3	0.9	0.309	0.556	0.9	1.05	2.1	2.3
00940	CHLORIDE,TOTAL IN WATER MG/L	11/06/66-02/24/86	13	3.	3.154	5.	2.	0.808	0.899	2.	2.5	4.	4.6
00945	SULFATE, TOTAL (MG/L AS SO4)	11/06/66-02/24/86	13	6.	6.462	10.	4.	3.603	1.898	4.4	5.	7.5	10.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/66-02/24/86	13	0.1	0.1	0.3	0.05	0.005	0.074	0.05	0.05	0.1	0.26
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/06/66-02/24/86	13	9.2	11.162	17.	7.7	11.131	3.336	7.98	8.75	15.	16.6
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/74-02/24/86	7	1.	0.929	1.	0.5	0.036	0.189	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/21/77-02/24/86	5	25.	32.2	50.	20.	214.2	14.636	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/74-02/24/86	7 ##	0.5	1.071	3.	0.	1.119	1.058	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/74-02/24/86	7	3.	4.143	10.	0.	17.81	4.22	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/74-02/24/86	7 ##	0.5	0.714	1.5	0.	0.571	0.756	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/74-02/24/86	7	1.	1.	2.	0.	0.667	0.816	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/02/74-02/24/86	7	470.	400.	500.	210.	12800.	113.137	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/74-02/24/86	7	5.	4.5	9.	0.5	11.583	3.403	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/02/74-02/24/86	7	40.	31.286	48.	15.	188.905	13.744	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/77-02/24/86	5 ##	0.5	0.4	0.5	0.	0.05	0.224	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/74-02/24/86	7 ##	4.	4.5	11.	0.	20.417	4.518	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/02/74-02/24/86	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/76-04/04/86	11	21.	54.455	260.	4.	6286.273	79.286	4.	6.	67.	236.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/76-04/04/86	11	1.322	1.345	2.415	0.602	0.388	0.623	0.602	0.778	1.826	2.361
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			22.123								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/15/76-04/04/86	11	110.	328.909	2000.	8.	342189.291	584.969	8.4	16.	380.	1720.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/15/76-04/04/86	11	2.041	1.952	3.301	0.903	0.617	0.785	0.922	1.204	2.58	3.196
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			89.626								
60050	ALGAE, TOTAL (CELLS/ML)	10/02/74-11/03/80	4	440.	740.	1900.	180.	617333.333	785.706	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/66-02/24/86	13	100.	101.231	134.	52.	562.859	23.725	62.8	81.	121.5	131.2
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/74-02/24/86	10	95.5	93.6	120.	67.	386.044	19.648	67.1	73.25	113.	119.6
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/02/74-11/02/82	10	1850.	2141.	3860.	1390.	546143.333	739.015	1390.	1667.5	2575.	3736.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/74-11/02/82	10	0.155	0.15	0.18	0.11	0.	0.022	0.112	0.13	0.17	0.179
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/09/76-04/04/86	12	95.5	95.	100.	87.	25.091	5.009	87.6	90.25	100.	100.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/02/74-04/09/81	9	4.2	4.956	8.1	2.9	2.928	1.711	2.9	3.65	6.45	8.1
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/02/74-02/24/86	7 ##	0.1	0.157	0.25	0.05	0.008	0.089	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/03/74-04/04/86	14	6.	8.071	26.	1.	43.456	6.592	1.5	4.	11.25	20.5
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/03/74-08/18/82	10	69.	151.6	538.	14.	28097.156	167.622	15.7	42.25	255.5	515.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

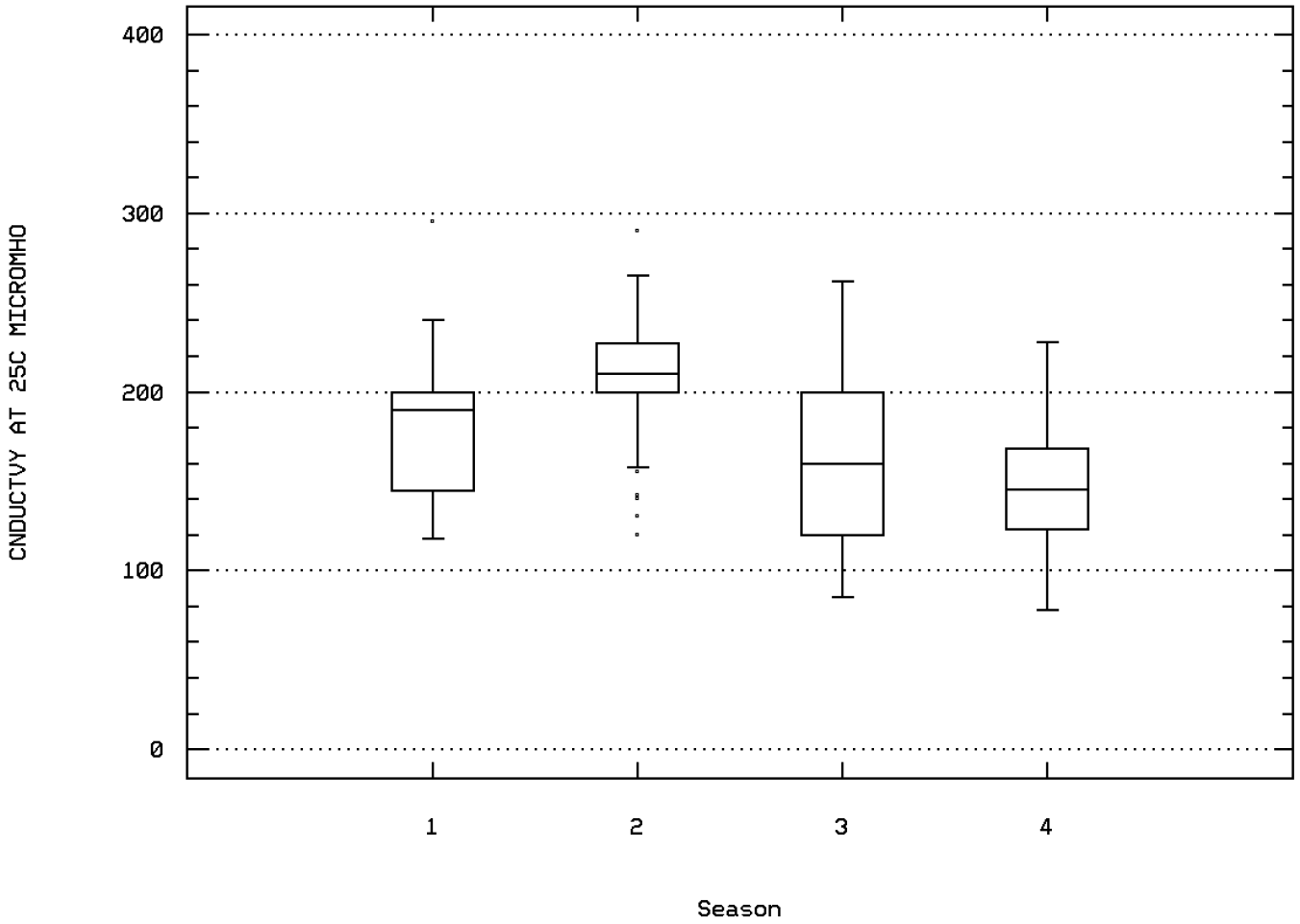
Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/66-06/20/94	49	20.	18.949	27.	7.	26.732	5.17	10.5	15.	23.25	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/74-06/20/94	48	6280.	8734.375	34500.	1450.	61161446.41	7820.578	2347.	4365.	9600.	19590.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/78-02/24/86	12	2.55	4.467	15.	0.6	23.168	4.813	0.81	2.	4.45	14.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/66-06/20/94	48	145.5	147.042	228.	78.	1249.36	35.346	92.7	122.	168.	196.
00300	OXYGEN, DISSOLVED MG/L	03/09/76-04/04/86	15	8.2	8.293	10.5	6.9	1.108	1.053	6.9	7.4	8.8	10.14
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/09/76-08/18/82	10	92.	90.5	99.	78.	55.833	7.472	78.2	84.5	98.	98.9
00400p	PH (STANDARD UNITS)	11/06/66-06/20/94	19	7.7	7.632	8.2	7.	0.13	0.361	7.1	7.3	7.9	8.2
00400p	CONVERTED PH (STANDARD UNITS)	11/06/66-06/20/94	19	7.7	7.493	8.2	7.	0.15	0.388	7.1	7.3	7.9	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/66-06/20/94	19	0.02	0.032	0.1	0.006	0.001	0.027	0.006	0.013	0.05	0.079
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/74-08/12/85	14	63.5	62.643	86.	28.	217.324	14.742	37.5	54.5	75.5	81.5
00600	NITROGEN, TOTAL (MG/L AS N)	10/02/74-04/09/81	13	0.91	0.918	1.5	0.47	0.091	0.301	0.522	0.73	0.99	1.5
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/74-04/04/86	19	0.81	0.824	1.4	0.43	0.071	0.267	0.54	0.6	0.93	1.4
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/74-04/09/81	13	0.13	0.11	0.15	0.04	0.002	0.041	0.044	0.065	0.145	0.15
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/02/74-04/04/86	19	0.04	0.054	0.19	0.01	0.002	0.04	0.01	0.04	0.06	0.1
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/21/77-04/04/86	13	0.02	0.02	0.05	0.005	0.	0.015	0.005	0.008	0.02	0.05
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/66-02/24/86	14	69.	68.786	94.	33.	223.566	14.952	43.5	61.	78.75	90.5
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/66-02/26/81	13	8.	7.692	12.	1.	10.897	3.301	2.6	5.	11.	12.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/66-02/24/86	20	17.5	17.675	25.	8.5	15.428	3.928	12.1	16.	20.75	22.9
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/66-02/24/86	20	5.7	5.69	7.6	2.8	1.654	1.286	3.74	4.775	6.875	7.18
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/06/66-02/24/86	19	2.7	2.574	3.3	1.5	0.29	0.538	1.6	2.2	3.	3.3
00931	SODIUM ADSORPTION RATIO	10/02/74-02/24/86	14	0.1	0.136	0.2	0.1	0.002	0.05	0.1	0.1	0.2	0.2
00932	SODIUM, PERCENT	10/02/74-02/24/86	14	8.	7.786	9.	7.	0.489	0.699	7.	7.	8.	9.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/66-02/24/86	19	1.	1.032	1.7	0.7	0.053	0.231	0.8	0.9	1.1	1.4
00940	CHLORIDE,TOTAL IN WATER MG/L	11/06/66-02/24/86	19	3.	2.579	3.	2.	0.257	0.507	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/06/66-02/24/86	19	5.	5.632	12.	3.	6.135	2.477	4.	4.	6.	11.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/66-02/24/86	19	0.1	0.089	0.3	0.05	0.003	0.057	0.05	0.05	0.1	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/06/66-02/24/86	19	8.3	8.779	13.	6.3	3.548	1.884	6.4	7.4	9.9	12.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/74-02/24/86	9	1.	1.167	3.	0.5	0.5	0.707	0.5	1.	1.	3.
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/21/77-02/24/86	8	27.	33.125	50.	20.	180.125	13.421	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/74-02/24/86	9 ##	0.5	0.333	1.	0.	0.125	0.354	0.	0.	0.5	1.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/74-02/24/86	9 ##	0.5	2.944	10.	0.	17.465	4.179	0.	0.25	7.	10.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/02/74-02/24/86	9 ##	1.5	0.944	1.5	0.	0.528	0.726	0.	0.	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/74-02/24/86	9	3.	3.111	5.	1.	1.861	1.364	1.	2.	4.5	5.
01046	IRON, DISSOLVED (UG/L AS FE)	10/02/74-02/24/86	9	350.	402.444	910.	62.	68223.778	261.197	62.	225.	575.	910.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/74-02/24/86	9	3.	3.5	8.	0.5	8.563	2.926	0.5	0.5	6.5	8.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/02/74-02/24/86	9	29.	32.222	76.	3.	725.444	26.934	3.	5.	55.	76.
01075	SILVER, DISSOLVED (UG/L AS AG)	10/21/77-02/24/86	8 ##	0.5	0.313	0.5	0.	0.067	0.259	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/74-02/24/86	9	7.	7.111	20.	0.	41.549	6.446	0.	1.5	11.5	20.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/02/74-02/24/86	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/76-04/04/86	15	30.	96.	420.	8.	16516.571	128.517	8.	23.	160.	336.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/76-04/04/86	15	1.477	1.647	2.623	0.903	0.301	0.549	0.903	1.362	2.204	2.518
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			44.384								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/15/76-04/04/86	15	160.	429.2	1700.	26.	358718.6	598.931	44.6	100.	260.	1700.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/15/76-04/04/86	15	2.204	2.306	3.23	1.415	0.28	0.53	1.62	2.	2.415	3.23
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			202.447								
60050	ALGAE, TOTAL (CELLS/ML)	10/02/74-11/03/80	12	12850.	13150.	30000.	2300.	81304545.455	9016.903	2810.	5100.	19250.	28500.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/66-02/24/86	19	105.	105.053	130.	66.	236.164	15.368	82.	96.	115.	125.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/02/74-02/24/86	14	80.5	81.	102.	46.	212.	14.56	55.5	75.5	93.5	101.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/02/74-11/02/82	14	1745.	2095.571	5080.	466.	1819153.956	1348.76	602.	1423.5	2457.5	4865.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/02/74-11/02/82	14	0.14	0.143	0.18	0.09	0.	0.021	0.11	0.13	0.153	0.175
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/09/76-04/04/86	18	85.	76.944	100.	13.	562.173	23.71	40.	67.5	96.25	100.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/02/74-04/09/81	13	4.	4.077	6.8	2.1	1.87	1.368	2.34	3.2	4.35	6.76
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/02/74-02/24/86	9	0.25	0.644	2.5	0.05	0.714	0.845	0.05	0.075	1.05	2.5
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/03/74-04/04/86	19	11.	16.789	54.	4.	211.509	14.543	4.	7.	24.	42.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/03/74-08/18/82	14	184.5	398.643	2620.	26.	451521.324	671.953	30.	112.75	294.75	1749.5

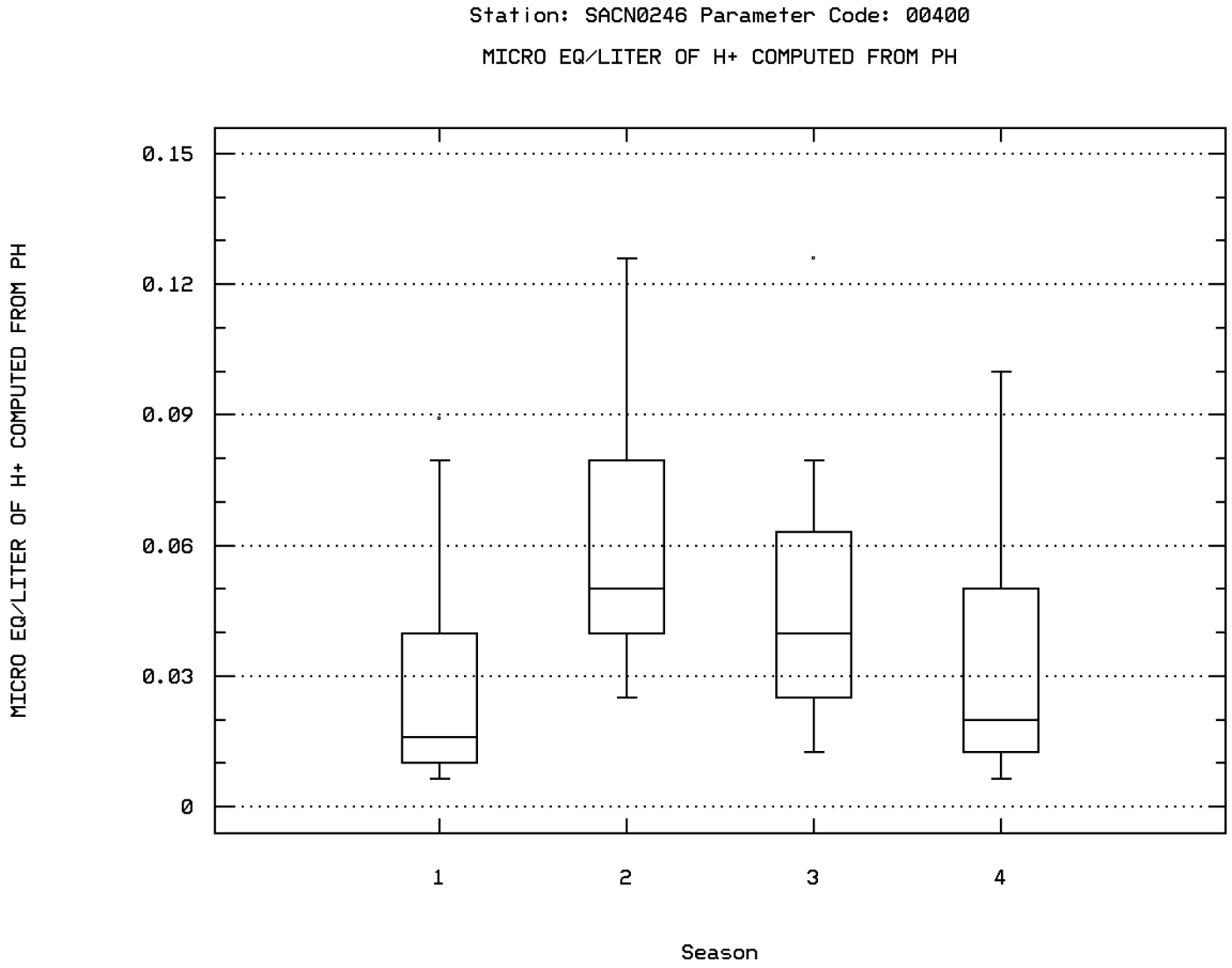
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0246 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



ST. CROIX RIVER AT ST. CROIX FALLS, WI



ST. CROIX RIVER AT ST. CROIX FALLS, WI

Station Inventory for Station: SACN0247

NPS Station ID: SACN0247 | LAT/LON: 45.028559/ -92.647199 | Agency: 21WIS | Date Created: 06/18/88
Location: MOUNDS POND 88 YDS ABOVE DAM | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE/SOLIDS | STORET Station ID(s): 563061 /6270LA563061
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 22 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.30 | On/Off RF1:
RF3 Index: 07030005000405.80 | RF3 Mile Point: 6.01 | Distance from RF3: 0.04 | On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)839-3724 MOUNDS POND ON WILLOW RIVER 88 YDS ABOVE THE DAM ABOUT 1/3 OF DISTANCE ACROSS FROM THE NORTH SHORE.

Parameter Inventory for Station: SACN0247

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	02/03/88-02/03/88	1	4200.	4200.	4200.	4200.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/03/88-02/03/88	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	02/03/88-02/03/88	1	20.	20.	20.	20.	0.	0.	**	**	**	**
61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	02/03/88-02/03/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	02/03/88-02/03/88	1	55.	55.	55.	55.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	02/03/88-02/03/88	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
82294	NITROGEN, AMMONIA, SLUDGE, TOT,DRY WT, AS N, MG/KG	02/03/88-02/03/88	1	230.	230.	230.	230.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0248

NPS Station ID: SACN0248 LAT/LON: 45.063337/ -92.647781 Agency: 21WIS Date Created: 05/31/86
Location: BASS LAKE (MIDDLE) FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 563058 /6270AG563058/3019W233058
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 0 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07030005001701.33 RF3 Mile Point: 1.32 Distance from RF3: 0.34 On/Off RF3:
Description:
STATION FOR JACK ESLIEN OF EAU CLAIRE (704)832-3723

Parameter Inventory for Station: SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	113	12.	13.319	28.2	0.5	56.835	7.539	3.5	7.5	20.5	24.52
00032	CLOUD COVER (PERCENT)	04/10/86-06/19/90	13	5.	31.538	100.	0.	1476.603	38.427	0.	0.	75.	90.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/06/93-10/06/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/10/86-04/17/95	27	1.3	1.307	2.	0.5	0.144	0.379	0.84	1.	1.6	1.82
00078	TRANSPARENCY, SECCHI DISC (METERS)	04/10/86-10/11/94	44	2.425	2.507	6.3	0.2	0.959	0.979	1.65	2.	2.6	3.35
00080	COLOR (PLATINUM-COBALT UNITS)	04/10/86-04/17/95	27	5.	7.778	20.	2.5	17.468	4.179	4.5	5.	10.	15.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/93-10/06/93	1	234.	234.	234.	234.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/88-04/17/95	17	278.	270.647	285.	246.	149.618	12.232	249.2	261.	280.5	283.4
00134	STORM EVENT SERIAL NUMBER MAXIMUM OF 6 SIG.FIG.	10/11/94-04/17/95	2	167.	167.	174.	160.	98.	9.899	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	03/14/95-04/17/95	3	8.	8.667	10.	8.	1.333	1.155	**	**	**	**
00157	RESIDUE,TOTAL VOLATILE,IN WHOLE WATER, % REMOVAL	03/15/89-03/15/89	1	46.7	46.7	46.7	46.7	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	110	8.5	6.79	19.	0.	22.61	4.755	0.11	1.275	10.45	12.18
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	108	8.225	8.18	9.3	6.64	0.334	0.578	7.369	7.763	8.637	8.901
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	108	8.224	7.793	9.3	6.64	0.485	0.697	7.369	7.762	8.637	8.901
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	108	0.006	0.016	0.229	0.001	0.001	0.028	0.001	0.002	0.017	0.043
00403	PH, LAB, STANDARD UNITS SU	11/18/86-04/17/95	27	8.2	8.204	8.6	7.4	0.048	0.219	8.02	8.2	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	11/18/86-04/17/95	27	8.2	8.125	8.6	7.4	0.054	0.233	8.02	8.2	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/18/86-04/17/95	27	0.006	0.007	0.04	0.003	0.	0.007	0.004	0.005	0.006	0.01
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/10/86-04/17/95	28	134.	133.786	140.	124.	16.915	4.113	127.8	131.25	137.	139.
00500	RESIDUE, TOTAL (MG/L)	10/26/87-04/18/94	16	169.	167.125	174.	150.	39.45	6.281	157.	164.	172.	174.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/26/87-04/17/95	19	58.	60.	82.	50.	62.222	7.888	50.	54.	66.	68.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/86-04/17/95	23	3.	3.522	7.	2.	2.147	1.465	2.	2.	4.	6.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/26/87-04/14/88	4	2.5	2.75	4.	2.	0.917	0.957	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	94	0.091	0.236	2.77	0.003	0.157	0.397	0.01	0.017	0.234	0.668
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	90	0.7	0.846	3.7	0.4	0.24	0.49	0.5	0.6	0.925	1.5
00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	02/02/88-02/02/88	1	390.	390.	390.	390.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	86	0.07	0.134	1.5	0.004	0.038	0.194	0.004	0.01	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	113	0.019	0.023	0.08	0.006	0.	0.015	0.01	0.014	0.024	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/10/86-10/05/92	25	0.004	0.004	0.014	0.001	0.	0.003	0.002	0.002	0.005	0.01
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/86-10/11/94	22	140.	141.364	150.	130.	50.433	7.102	130.	140.	150.	150.
00916	CALCIUM, TOTAL (MG/L AS CA)	04/10/86-10/11/94	28	29.	28.357	32.	25.	4.016	2.004	25.9	26.	30.	31.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/10/86-10/11/94	28	17.	16.75	18.	15.	0.713	0.844	15.9	16.	17.	18.
00929	SODIUM, TOTAL (MG/L AS NA)	04/10/86-10/11/94	28	3.	2.996	3.	2.9	0.	0.019	3.	3.	3.	3.
00937	POTASSIUM, TOTAL MG/L AS K)	04/10/86-10/11/94	28	1.4	1.373	2.	0.5	0.081	0.285	1.	1.3	1.455	1.64
00940	CHLORIDE,TOTAL IN WATER MG/L	10/26/87-10/11/94	20	6.	5.9	8.	5.	0.832	0.912	5.	5.	6.75	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/10/86-10/11/94	22	4.	3.864	6.	2.5	1.004	1.002	2.5	2.5	4.25	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/10/86-10/11/94	25	0.7	0.74	2.3	0.1	0.323	0.569	0.1	0.25	0.95	1.68
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/02/88-02/02/88	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/11/94-10/11/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	02/02/88-06/19/92	4	10.5	12.375	26.	2.5	96.896	9.844	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/86-10/11/94	18 ##	20.	25.611	51.	20.	123.193	11.099	20.	20.	25.	50.1
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/10/86-10/11/94	41	6.	6.915	26.	0.37	18.42	4.292	3.	4.705	8.715	11.
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/06/93	2	6.55	6.55	6.67	6.43	0.029	0.17	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/06/93	2	0.255	0.255	0.43	0.08	0.061	0.247	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	03/15/89-06/19/92	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	02/02/88-02/02/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/08/87-04/08/87	2	149.	149.	150.	148.	2.	1.414	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	02/02/88-03/15/89	2	56.	56.	89.	23.	2178.	46.669	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	02/02/88-06/19/92	4	0.07	0.07	0.1	0.04	0.001	0.029	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	04/10/86-10/06/93	19 ##	0.05	0.058	0.1	0.025	0.001	0.026	0.025	0.05	0.07	0.1
81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	03/15/89-06/19/92	2	147450.	147450.	258000.	36900.24442605000.		156341.309	**	**	**	**
82294	NITROGEN, AMMONIA, SLUDGE, TOT,DRY WT, AS N, MG/KG	02/02/88-02/02/88	1	14.	14.	14.	14.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0248

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	27	0	0.00	10	0	0.00				6	0	0.00	11	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	110	38	0.35	35	13	0.37	5	3	0.60	13	2	0.15	57	20	0.35
00400	PH	Other-Hi Lim.	9.	108	6	0.06	34	2	0.06	5	0	0.00	12	0	0.00	57	4	0.07
		Other-Lo Lim.	6.5	108	0	0.00	34	0	0.00	5	0	0.00	12	0	0.00	57	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	27	0	0.00	9	0	0.00				7	0	0.00	11	0	0.00
		Other-Lo Lim.	6.5	27	0	0.00	9	0	0.00				7	0	0.00	11	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	86	0	0.00	26	0	0.00	3	0	0.00	15	0	0.00	42	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	20	0	0.00	8	0	0.00				2	0	0.00	10	0	0.00
		Drinking Water	250.	20	0	0.00	8	0	0.00				2	0	0.00	10	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	8	0	0.00				6	0	0.00	8	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1986 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	14	12.	13.964	25.	2.5	62.97	7.935	2.75	6.75	22.45	24.95
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	14	8.35	6.586	11.1	0.1	19.849	4.455	0.1	0.475	10.375	11.05
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	14	8.05	7.864	8.7	7.	0.258	0.508	7.	7.475	8.225	8.5
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	14	8.047	7.581	8.7	7.	0.345	0.587	7.	7.475	8.225	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	14	0.009	0.026	0.1	0.002	0.001	0.033	0.004	0.006	0.034	0.1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	4	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	2	0.65	0.65	0.7	0.6	0.005	0.071	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	4	0.135	0.135	0.2	0.07	0.006	0.075	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	13	0.02	0.028	0.08	0.01	0.	0.019	0.014	0.02	0.03	0.068

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	11	8.2	12.618	28.2	2.	86.154	9.282	2.4	5.	23.9	27.76
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	9	8.7	8.033	13.8	0.	24.193	4.919	0.	4.05	11.6	13.8
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	10	8.3	8.208	9.3	6.64	0.553	0.744	6.726	7.875	8.8	9.25
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	10	8.3	7.527	9.3	6.64	1.069	1.034	6.726	7.875	8.8	9.25
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	10	0.005	0.03	0.229	0.001	0.005	0.071	0.001	0.002	0.015	0.209
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	4	0.08	0.09	0.12	0.08	0.	0.02	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	4	0.75	0.725	0.8	0.6	0.009	0.096	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	4	0.065	0.065	0.1	0.03	0.002	0.04	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	12	0.018	0.025	0.06	0.01	0.	0.018	0.01	0.013	0.031	0.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	12	14.95	14.508	26.	0.5	86.274	9.288	1.28	6.7	23.625	25.7
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	12	9.65	7.642	13.3	0.1	25.606	5.06	0.1	1.45	11.	13.27
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	11	8.3	8.377	9.	7.5	0.167	0.408	7.64	8.2	8.7	8.97
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	11	8.3	8.179	9.	7.5	0.21	0.458	7.64	8.2	8.7	8.97
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	11	0.005	0.007	0.032	0.001	0.	0.009	0.001	0.002	0.006	0.027
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	11 ##	0.01	0.154	0.77	0.01	0.072	0.268	0.01	0.01	0.14	0.736
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	11	0.6	0.809	1.6	0.6	0.139	0.373	0.6	0.6	0.8	1.58
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	5	0.05	0.102	0.2	0.02	0.008	0.09	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	13	0.019	0.023	0.051	0.01	0.	0.015	0.01	0.012	0.035	0.049

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	13	12.	13.3	27.	6.2	37.447	6.119	7.12	9.	15.85	25.64
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	13	8.2	7.385	15.8	0.1	25.443	5.044	0.14	2.25	10.9	14.88
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	13	8.3	8.212	8.85	7.2	0.288	0.537	7.28	7.775	8.65	8.85
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	13	8.3	7.885	8.85	7.2	0.403	0.635	7.28	7.775	8.65	8.85
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	13	0.005	0.013	0.063	0.001	0.	0.018	0.001	0.002	0.017	0.054
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	14	0.095	0.205	1.1	0.01	0.102	0.319	0.01	0.01	0.233	0.89
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	14	0.7	0.864	2.1	0.5	0.216	0.465	0.55	0.6	0.925	1.9
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	14 ##	0.03	0.1	0.3	0.01	0.013	0.114	0.01	0.01	0.2	0.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	14	0.02	0.021	0.037	0.01	0.	0.008	0.011	0.015	0.026	0.036

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	13	11.8	11.946	24.	2.	56.883	7.542	2.6	4.05	19.4	23.6
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	13	8.9	6.615	13.6	0.2	24.363	4.936	0.32	1.55	11.1	13.04
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	11	8.25	8.328	9.	7.8	0.22	0.469	7.8	7.9	8.9	8.98
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	11	8.25	8.138	9.	7.8	0.26	0.51	7.8	7.9	8.9	8.98
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	11	0.006	0.007	0.016	0.001	0.	0.006	0.001	0.001	0.013	0.016
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	13	0.09	0.142	0.5	0.01	0.024	0.154	0.01	0.015	0.18	0.464
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	11	0.8	0.864	1.5	0.6	0.081	0.284	0.6	0.6	1.1	1.42
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	13 ##	0.01	0.071	0.3	0.01	0.01	0.098	0.01	0.01	0.14	0.26
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	14	0.02	0.026	0.07	0.01	0.	0.019	0.01	0.012	0.043	0.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	11	10.5	12.055	25.2	2.	58.875	7.673	2.4	5.8	18.2	24.86
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	11	3.7	5.582	11.9	0.1	24.946	4.995	0.14	0.4	10.8	11.78
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	10	7.735	8.05	9.3	7.23	0.503	0.709	7.257	7.5	8.725	9.25
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	10	7.735	7.704	9.3	7.23	0.636	0.798	7.257	7.5	8.725	9.25
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	10	0.018	0.02	0.059	0.001	0.	0.019	0.001	0.002	0.032	0.056
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	11	0.12	0.191	0.694	0.003	0.046	0.215	0.003	0.008	0.341	0.635
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	11	0.7	0.791	1.5	0.5	0.085	0.291	0.5	0.6	1.	1.4
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	11	0.2	0.164	0.5	0.004	0.026	0.162	0.004	0.004	0.3	0.46
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	11 ##	0.01	0.016	0.04	0.01	0.	0.009	0.01	0.01	0.019	0.036

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	10	16.	14.97	22.2	4.	35.898	5.991	4.6	10.	20.625	22.08
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	10	9.3	6.71	10.	0.2	15.523	3.94	0.36	2.325	9.7	10.
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	10	8.57	8.445	9.22	7.37	0.41	0.64	7.401	7.733	8.973	9.202
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	10	8.563	8.024	9.22	7.37	0.607	0.779	7.401	7.732	8.973	9.202
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	10	0.003	0.009	0.043	0.001	0.	0.014	0.001	0.001	0.019	0.04
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	10	0.061	0.407	2.77	0.01	0.728	0.853	0.01	0.017	0.473	2.55
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	10	0.6	0.98	3.7	0.4	0.984	0.992	0.41	0.5	1.125	3.45
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	10	0.055	0.118	0.3	0.004	0.017	0.128	0.004	0.018	0.3	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	10	0.016	0.021	0.058	0.014	0.	0.013	0.014	0.014	0.021	0.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	13	13.	13.623	25.3	1.	49.717	7.051	2.2	9.35	20.55	23.78
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	12	6.55	5.983	11.4	0.	17.891	4.23	0.15	1.325	9.55	11.16
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	13	8.3	8.238	8.95	7.53	0.23	0.48	7.538	7.85	8.65	8.93
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	13	8.3	8.017	8.95	7.53	0.283	0.532	7.538	7.85	8.65	8.93
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	13	0.005	0.01	0.03	0.001	0.	0.01	0.001	0.002	0.014	0.029
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	13	0.16	0.259	0.979	0.006	0.092	0.304	0.006	0.016	0.435	0.85
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	13	0.7	0.769	1.6	0.4	0.121	0.347	0.4	0.5	0.95	1.44
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	13	0.1	0.124	0.3	0.004	0.013	0.114	0.004	0.006	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	13	0.017	0.022	0.066	0.009	0.	0.016	0.009	0.012	0.024	0.056

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	13	14.5	15.246	25.5	3.	54.723	7.397	3.44	10.3	21.75	25.22
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	13	7.9	6.623	19.	0.	35.66	5.972	0.04	0.4	10.45	16.36
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	13	8.08	8.148	8.99	7.3	0.336	0.58	7.324	7.63	8.67	8.958
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	13	8.08	7.824	8.99	7.3	0.449	0.67	7.324	7.63	8.67	8.958
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	13	0.008	0.015	0.05	0.001	0.	0.018	0.001	0.002	0.028	0.048
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	11	0.142	0.429	1.62	0.02	0.295	0.543	0.025	0.048	0.741	1.54
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	13	0.6	0.905	2.41	0.5	0.381	0.617	0.5	0.565	1.05	2.242
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	9	0.06	0.242	1.5	0.004	0.231	0.481	0.004	0.004	0.2	1.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	13	0.016	0.023	0.058	0.006	0.	0.017	0.008	0.014	0.033	0.057

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1995 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	3	4.5	3.633	5.4	1.	5.403	2.325	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	3	10.7	7.433	10.8	0.8	33.003	5.745	**	**	**	**
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	3	7.26	7.59	8.42	7.09	0.524	0.724	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	3	7.26	7.331	8.42	7.09	0.625	0.79	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	3	0.055	0.047	0.081	0.004	0.002	0.039	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	3	0.167	0.285	0.548	0.139	0.052	0.228	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	3	0.3	0.367	0.6	0.2	0.043	0.208	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	35	13.5	15.146	25.3	2.5	41.13	6.413	7.4	10.5	22.2	24.3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/10/86-04/17/95	10	1.5	1.48	1.9	1.1	0.077	0.278	1.1	1.25	1.725	1.89
00078	TRANSPARENCY, SECCHI DISC (METERS)	04/10/86-10/11/94	16	2.45	2.441	3.5	1.6	0.199	0.446	1.705	2.4	2.5	3.22
00080	COLOR (PLATINUM-COBALT UNITS)	04/10/86-04/17/95	10	7.5	8.	15.	2.5	21.944	4.684	2.5	4.375	11.25	15.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/88-04/17/95	6	259.	256.667	264.	246.	50.667	7.118	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	35	7.9	5.897	11.1	0.	17.819	4.221	0.1	0.3	9.3	10.56
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	34	8.375	8.228	9.3	6.64	0.399	0.632	7.365	7.808	8.7	8.945
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	34	8.369	7.715	9.3	6.64	0.671	0.819	7.365	7.807	8.7	8.945
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	34	0.004	0.019	0.229	0.001	0.002	0.042	0.001	0.002	0.017	0.043
00403	PH, LAB, STANDARD UNITS SU	11/18/86-04/17/95	9	8.3	8.256	8.4	8.1	0.008	0.088	8.1	8.2	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	11/18/86-04/17/95	9	8.3	8.248	8.4	8.1	0.008	0.089	8.1	8.2	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/18/86-04/17/95	9	0.005	0.006	0.008	0.004	0.	0.001	0.004	0.005	0.006	0.008
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/10/86-04/17/95	11	131.	129.727	132.	124.	7.418	2.724	124.4	128.	132.	132.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/26/87-04/17/95	8	62.	63.5	82.	50.	86.571	9.304	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/86-04/17/95	10	4.	4.25	7.	2.	2.403	1.55	2.05	2.875	5.25	6.9
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	29	0.08	0.32	2.77	0.003	0.376	0.613	0.006	0.01	0.196	1.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	30	0.7	0.926	3.7	0.4	0.516	0.718	0.5	0.538	0.8	2.05
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	26 ##	0.01	0.023	0.07	0.004	0.	0.021	0.004	0.004	0.04	0.056
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	35	0.02	0.024	0.06	0.009	0.	0.014	0.01	0.014	0.025	0.051
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/10/86-10/05/92	10	0.005	0.005	0.011	0.002	0.	0.003	0.002	0.002	0.005	0.01
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/86-10/11/94	10	140.	136.	140.	130.	26.667	5.164	130.	130.	140.	140.
00916	CALCIUM, TOTAL (MG/L AS CA)	04/10/86-10/11/94	12	26.	26.417	29.	25.	1.356	1.165	25.	26.	27.	28.7
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/10/86-10/11/94	12	17.	16.583	18.	15.	0.811	0.9	15.	16.	17.	17.7
00929	SODIUM, TOTAL (MG/L AS NA)	04/10/86-10/11/94	12	3.	2.992	3.	2.9	0.001	0.029	2.93	3.	3.	3.
00937	POTASSIUM, TOTAL MG/L AS K)	04/10/86-10/11/94	12	1.38	1.309	1.6	0.5	0.094	0.307	0.65	1.263	1.55	1.6
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/10/86-10/11/94	11	0.3	0.745	2.3	0.1	0.593	0.77	0.1	0.2	1.5	2.2
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/86-10/11/94	10 ##	20.	23.1	51.	20.	96.1	9.803	20.	20.	20.	47.9
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/10/86-10/11/94	13	8.	8.376	14.	4.	12.225	3.496	4.4	5.005	11.	14.
74010	IRON, TOTAL (MG/L AS FE)	04/10/86-10/06/93	9 ##	0.05	0.057	0.1	0.025	0.001	0.03	0.025	0.025	0.085	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	5	3.1	2.94	4.1	0.5	2.113	1.454	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	5	1.8	5.02	11.4	0.4	31.122	5.579	**	**	**	**
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	5	8.2	8.134	8.59	7.68	0.11	0.332	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	5	8.2	8.035	8.59	7.68	0.122	0.35	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	5	0.006	0.009	0.021	0.003	0.	0.007	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	3	0.442	0.347	0.456	0.142	0.031	0.177	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	3	0.8	0.833	1.1	0.6	0.063	0.252	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	3	0.3	0.667	1.5	0.2	0.523	0.723	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	5	0.017	0.015	0.024	0.006	0.	0.007	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/10/86-10/11/94	2 ##	1.435	1.435	2.5	0.37	2.268	1.506	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	16	4.25	4.338	7.5	1.	5.212	2.283	1.	2.	6.75	7.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/10/86-04/17/95	6	1.55	1.533	2.	1.	0.127	0.356	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	04/10/86-10/11/94	4	2.6	3.4	6.	2.4	3.013	1.736	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/10/86-04/17/95	6	7.5	9.167	20.	5.	34.167	5.845	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	13	11.	9.323	13.8	0.8	18.237	4.27	1.04	7.2	11.7	13.4
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	12	7.85	7.837	8.5	7.09	0.23	0.479	7.141	7.425	8.3	8.44
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	12	7.847	7.613	8.5	7.09	0.285	0.534	7.141	7.425	8.3	8.44
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	12	0.014	0.024	0.081	0.003	0.001	0.025	0.004	0.005	0.038	0.073
00403	PH, LAB, STANDARD UNITS SU	11/18/86-04/17/95	7	8.2	8.071	8.4	7.4	0.139	0.373	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/18/86-04/17/95	7	8.2	7.909	8.4	7.4	0.17	0.412	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/18/86-04/17/95	7	0.006	0.012	0.04	0.004	0.	0.013	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/10/86-04/17/95	6	136.	136.667	140.	134.	4.267	2.066	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/26/87-04/17/95	2	56.	56.	56.	56.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/86-04/17/95	4	2.5	2.75	4.	2.	0.917	0.957	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	15	0.167	0.236	0.621	0.06	0.036	0.191	0.06	0.07	0.401	0.577
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	12	0.75	0.842	1.2	0.6	0.043	0.207	0.6	0.7	1.	1.17
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	15	0.2	0.232	0.6	0.08	0.021	0.146	0.092	0.1	0.3	0.54
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	14	0.017	0.02	0.051	0.009	0.	0.011	0.01	0.012	0.023	0.043
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/10/86-10/05/92	5	0.002	0.003	0.004	0.002	0.	0.001	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/86-10/11/94	2	150.	150.	150.	150.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/10/86-10/11/94	6	30.	30.	31.	29.	0.8	0.894	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/10/86-10/11/94	6	16.	16.333	17.	16.	0.267	0.516	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/10/86-10/11/94	6	3.	3.	3.	3.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	04/10/86-10/11/94	6	1.4	1.467	2.	1.	0.203	0.45	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/10/86-10/11/94	4	0.7	0.7	0.8	0.6	0.007	0.082	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/86-10/11/94	6 ##	20.	28.333	50.	20.	176.667	13.292	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/10/86-10/11/94	5	9.	6.8	10.	3.	12.2	3.493	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	04/10/86-10/06/93	8 ##	0.05	0.063	0.1	0.05	0.001	0.023	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/86-04/17/95	57	14.2	15.63	28.2	3.5	46.964	6.853	7.24	10.	21.75	25.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/10/86-04/17/95	11	1.	1.027	1.6	0.5	0.094	0.307	0.52	0.9	1.2	1.54
00078	TRANSPARENCY, SECCHI DISC (METERS)	04/10/86-10/11/94	24	2.3	2.402	6.3	0.2	1.117	1.057	1.55	2.	2.7	3.35
00080	COLOR (PLATINUM-COBALT UNITS)	04/10/86-04/17/95	11	5.	6.818	10.	5.	6.364	2.523	5.	5.	10.	10.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/88-04/17/95	11	280.	278.273	285.	266.	32.818	5.729	266.6	278.	281.	284.6
00300	OXYGEN, DISSOLVED MG/L	04/10/86-04/17/95	57	8.2	6.916	19.	0.	24.776	4.978	0.2	1.3	10.2	13.22
00400	PH (STANDARD UNITS)	04/10/86-04/17/95	57	8.25	8.227	9.3	7.	0.321	0.567	7.472	7.8	8.8	8.95
00400	CONVERTED PH (STANDARD UNITS)	04/10/86-04/17/95	57	8.25	7.883	9.3	7.	0.442	0.665	7.472	7.8	8.8	8.95
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/86-04/17/95	57	0.006	0.013	0.1	0.001	0.	0.019	0.001	0.002	0.016	0.034
00403	PH, LAB, STANDARD UNITS SU	11/18/86-04/17/95	11	8.2	8.245	8.6	8.1	0.019	0.137	8.1	8.2	8.3	8.54
00403	CONVERTED PH, LAB, STANDARD UNITS	11/18/86-04/17/95	11	8.2	8.229	8.6	8.1	0.019	0.138	8.1	8.2	8.3	8.54
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/18/86-04/17/95	11	0.006	0.006	0.008	0.003	0.	0.002	0.003	0.005	0.006	0.008
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/10/86-04/17/95	11	137.	136.273	139.	132.	6.218	2.494	132.2	134.	139.	139.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/26/87-04/17/95	9	56.	57.778	68.	50.	42.444	6.515	50.	53.	64.	68.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/10/86-04/17/95	9	3.	3.056	6.	2.	1.653	1.286	2.	2.	3.5	6.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/10/86-04/17/95	47	0.09	0.176	1.22	0.008	0.068	0.261	0.01	0.01	0.18	0.661
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/86-04/17/95	45	0.6	0.795	1.99	0.4	0.125	0.354	0.5	0.6	0.85	1.38
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/10/86-04/17/95	42	0.09	0.129	0.3	0.004	0.013	0.115	0.005	0.01	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/10/86-03/14/95	59	0.018	0.024	0.08	0.01	0.	0.017	0.01	0.014	0.024	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/10/86-10/05/92	10	0.005	0.005	0.014	0.001	0.	0.004	0.001	0.003	0.007	0.014
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/10/86-10/11/94	10	145.	145.	150.	140.	27.778	5.27	140.	140.	150.	150.
00916	CALCIUM, TOTAL (MG/L AS CA)	04/10/86-10/11/94	10	29.	29.7	32.	29.	1.122	1.059	29.	29.	30.25	31.9
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/10/86-10/11/94	10	17.	17.2	18.	16.	0.622	0.789	16.	16.75	18.	18.
00929	SODIUM, TOTAL (MG/L AS NA)	04/10/86-10/11/94	10	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
00937	POTASSIUM, TOTAL MG/L AS K)	04/10/86-10/11/94	10	1.4	1.392	1.5	1.3	0.004	0.061	1.303	1.345	1.425	1.497
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/10/86-10/11/94	10	0.7	0.75	1.6	0.1	0.201	0.448	0.1	0.475	1.025	1.55
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/86-10/11/94	2 ##	30.	30.	40.	20.	200.	14.142	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/10/86-10/11/94	21	5.	6.56	26.	2.5	22.425	4.735	4.	4.705	6.745	9.6
74010	IRON, TOTAL (MG/L AS FE)	04/10/86-10/06/93	2 ##	0.043	0.043	0.06	0.025	0.001	0.025	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0249

NPS Station ID: SACN0249
LAT/LON: 45.029503/ -92.648171
Agency: 21WIS
Date Created: 07/17/93
Location: WILLOW R 500 YDS BLW MOUNDS PND
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563090 /6270AA563090/2919W023090
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR KEN SCHREIBER OF WESTERN DISTRICT (715)839-3798 T29N R19W S02 NESW

Parameter Inventory for Station: SACN0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-09/02/93	5	19.	18.96	21.	17.1	2.123	1.457	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/93-09/02/93	5	8.9	8.86	9.4	8.2	0.263	0.513	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/93-09/02/93	5	8.	8.07	8.45	7.8	0.061	0.246	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/93-09/02/93	5	8.	8.02	8.45	7.8	0.064	0.253	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-09/02/93	5	0.01	0.01	0.016	0.004	0.	0.005	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/93-09/02/93	5	0.054	0.06	0.088	0.042	0.	0.018	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0249

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	2	0	0.00							3	0	0.00
00400	PH	Other-Hi Lim.	9.	5	0	0.00	2	0	0.00							3	0	0.00
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00							3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0250

NPS Station ID: SACN0250
LAT/LON: 45.416670/ -92.648587
Agency: 21WITIS
Date Created: 12/17/88
Location: ST CROIX R 08 ABV ST CROIX F DM
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 495013 /6270MA495013
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.40
On/Off RF1:
RF3 Index: 07030005041100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.15
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0250

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	08/15/89-08/15/89	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	08/15/89-08/15/89	1	3.	3.	3.	3.	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/15/89-08/15/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/15/89-08/15/89	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	08/15/89-08/15/89	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	08/15/89-08/15/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	08/15/89-08/15/89	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/89-08/15/89	1	8.	8.	8.	8.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0251

NPS Station ID: SACN0251 LAT/LON: 45.411392/ -92.649726 Agency: 21MINN Date Created: / /
Location: ST CROIX R. AT TAYLORS FALLS FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/NET STORET Station ID(s): SCSC-52BB-15E53/@SSGWH-0020 /SC-52
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX ECO Region:
RF1 Index: 07030005018 RF1 Mile Point: 22.770 Distance from RF1: 30.80 On/Off RF1: ON
RF3 Index: 07030005230100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
ST. CROIX RIVER, ABOVE THE DAM AT TAYLOR FALLS, MINN-ST.CROIX FALLS, WI; ST. CROIX RIVER BASIN CHISAGO COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1953-57, 1971-093077

Parameter Inventory for Station: SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/22/77	21	12.5	10.714	28.	0.	96.064	9.801	0.	0.75	19.25	24.1
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	81	54.	53.272	81.	32.	291.45	17.072	32.	34.	70.	75.
00023	SAMPLE WEIGHT IN POUNDS	09/13/89-09/13/89	9	1.1	1.567	3.2	0.5	1.145	1.07	0.5	0.55	2.55	3.2
00024	SAMPLE LENGTH IN INCHES	09/13/89-09/13/89	9	12.8	14.433	22.9	8.1	29.72	5.452	8.1	9.15	19.75	22.9
00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-10/13/57	32	3490.	5514.375	17900.	1940.	18675554.435	4321.522	2369.	2572.5	7480.	13590.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/13/57	32	11.	10.728	21.	2.5	22.872	4.782	4.18	7.05	14.	18.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	71	3.7	4.473	14.	1.2	6.425	2.535	2.1	2.8	5.7	7.08
00080	COLOR (PLATINUM-COBALT UNITS)	01/21/53-04/17/74	18	65.	71.444	170.	18.	2207.673	46.986	19.8	32.25	99.	161.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	70	160.	159.586	260.	78.	1303.145	36.099	111.	138.5	180.	200.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	103	9.1	9.173	14.	4.	4.447	2.109	6.84	7.8	10.2	12.1
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	103	1.9	1.939	6.3	0.25	0.912	0.955	0.8	1.2	2.5	3.12
00335	COD, .025N K2CR2O7 MG/L	07/08/74-12/17/75	14	24.	25.786	47.	13.	108.181	10.401	13.	18.5	31.75	44.5
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	100	7.7	7.705	8.8	6.6	0.164	0.405	7.2	7.4	8.	8.2
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	100	7.7	7.508	8.8	6.6	0.203	0.451	7.2	7.4	8.	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	100	0.02	0.031	0.251	0.002	0.002	0.039	0.006	0.01	0.04	0.063
00403	PH, LAB, STANDARD UNITS SU	07/21/77-09/22/77	3	8.	7.867	8.1	7.5	0.103	0.321	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/22/77	3	8.	7.782	8.1	7.5	0.114	0.338	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/22/77	3	0.01	0.017	0.032	0.008	0.	0.013	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	76	76.	74.118	110.	32.	335.439	18.315	45.4	60.75	88.	95.9
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	66	120.	123.576	240.	92.	395.386	19.884	107.	110.	130.	140.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/21/53-07/08/74	18	56.5	52.889	80.	4.	347.163	18.632	23.8	43.5	64.25	79.1
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/74-09/12/74	3	108.	110.333	116.	107.	24.333	4.933	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	86	6.	7.484	28.	0.25	36.094	6.008	2.	3.	11.	18.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-09/05/72	16	4.	4.163	7.	0.6	4.209	2.052	1.58	2.	6.	7.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/16/71-07/08/74	3	1.3	1.117	1.9	0.15	0.791	0.889	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	51	0.57	0.603	1.1	0.15	0.059	0.244	0.312	0.41	0.81	0.944
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	71 ##	0.1	0.126	0.43	0.1	0.005	0.072	0.1	0.1	0.1	0.24
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/16/71-07/29/76	39	0.01	0.021	0.19	0.005	0.001	0.03	0.005	0.005	0.03	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/29/76	57	0.2	0.248	0.81	0.005	0.035	0.188	0.045	0.105	0.36	0.512
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/22/77	14	0.145	0.21	0.6	0.005	0.039	0.197	0.013	0.053	0.38	0.57
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	71	0.07	0.082	0.67	0.016	0.007	0.083	0.03	0.043	0.1	0.12
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/74-07/21/77	24	7.1	8.767	19.	1.6	23.64	4.862	2.5	5.625	12.	17.5
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/16/71-07/08/74	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00745	SULFIDE, TOTAL (MG/L AS S)	09/16/71-07/08/74	3 ##	0.02	0.018	0.025	0.01	0.	0.008	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	61	83.	78.508	110.	31.	369.621	19.226	52.2	64.5	92.	100.
00910	CALCIUM (MG/L AS CACO3)	07/19/71-07/21/77	60	54.	51.183	97.	21.	212.966	14.593	27.3	40.	58.	69.7
00920	MAGNESIUM (MG/L AS CACO3)	09/16/71-07/21/77	16	30.5	31.063	40.	19.	27.929	5.285	22.5	28.25	35.	37.9
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/71-07/21/77	58	3.9	4.672	29.	2.	13.868	3.724	2.57	3.075	5.	7.06
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/71-07/21/77	57	1.3	2.352	21.	0.5	10.855	3.295	0.82	1.	2.1	4.44
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	73	4.	4.041	16.	0.5	4.866	2.206	3.	3.	4.	6.6
00945	SULFATE, TOTAL (MG/L AS SO4)	09/16/71-07/21/77	41	9.	8.829	17.	2.5	11.32	3.365	3.	6.	12.	12.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/71-07/21/77	58 ##	0.05	0.101	1.3	0.05	0.042	0.204	0.05	0.05	0.06	0.12
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/16/71-07/08/74	3	12.	13.1	19.	8.3	29.53	5.434	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-07/21/77	45 ##	5.	4.32	5.	0.5	2.572	1.604	0.62	5.	5.	5.
01007	BARIUM, TOTAL (UG/L AS BA)	09/16/71-07/08/74	3 ##	10.	10.333	20.	1.	90.333	9.504	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/16/71-09/05/72	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-07/21/77	60 ##	5.	5.317	15.	5.	2.966	1.722	5.	5.	5.	5.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/16/71-09/16/71	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/71-07/08/74	3 ##	5.	7.667	13.	5.	21.333	4.619	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	61 ##	5.	8.115	73.	5.	153.103	12.373	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-07/21/77	57	670.	721.456	2000.	93.	158209.074	397.755	294.	420.	940.	1300.
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-07/21/77	51 ##	5.	8.49	44.	5.	76.055	8.721	5.	5.	5.	24.6
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-07/21/77	58	84.	90.31	280.	5.	3531.972	59.43	17.8	42.	112.5	172.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	61 ##	5.	8.59	190.	5.	567.246	23.817	5.	5.	5.	5.
01077	SILVER, TOTAL (UG/L AS AG)	09/16/71-09/05/72	2 ##	3.	3.	5.	1.	8.	2.828	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	61	14.	28.623	210.	5.	1780.172	42.192	5.	5.	23.5	81.
01147	SELENIUM, TOTAL (UG/L AS SE)	07/19/71-04/22/76	40 ##	1.5	2.538	5.	0.5	3.531	1.879	1.	1.	5.	5.
01501	ALPHA, TOTAL	09/16/71-07/08/74	3 ##	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
03501	BETA, TOTAL	09/16/71-07/08/74	3	6.	6.	7.	5.	1.	1.	**	**	**	**
03502	BETA, TOTAL, COUNTING ERROR	09/16/71-07/08/74	3	2.	2.	2.	2.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	89	230.	1539.494	24000.	45.	17989955.435	4241.457	79.	130.	490.	3300.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	89	2.362	2.547	4.38	1.653	0.371	0.609	1.898	2.114	2.69	3.519
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			352.37								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	71	20.	368.099	7900.	1.	1589117.376	1260.602	2.	9.	79.	458.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	71	1.301	1.461	3.898	0.	0.764	0.874	0.301	0.954	1.898	2.656
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			28.925								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/05/72-07/29/76	9	27.	220.611	1500.	4.5	236472.986	486.285	4.5	9.	190.	1500.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/05/72-07/29/76	9	1.431	1.617	3.176	0.653	0.655	0.809	0.653	0.954	2.263	3.176
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			41.398								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/16/71-07/08/74	3 ##	2.5	2.833	5.	1.	4.083	2.021	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	09/13/89-09/13/89	9 ##	0.005	0.006	0.018	0.005	0.	0.004	0.005	0.005	0.005	0.018
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/19/71-11/29/74	37 ##	0.05	0.165	0.51	0.05	0.021	0.147	0.05	0.05	0.305	0.414
39105	PERCENT FAT HEXANE EXTRACTION	09/13/89-09/13/89	9	0.5	1.322	7.2	0.2	4.989	2.234	0.2	0.3	1.1	7.2
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/16/71-06/12/73	4 ##	0.005	0.011	0.03	0.005	0.	0.013	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/03/73-07/10/73	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	09/13/89-09/13/89	9 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	09/13/89-09/13/89	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/13/89-09/13/89	9 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-07/21/77	44	0.1	0.399	3.2	0.05	0.464	0.681	0.05	0.05	0.4	1.2
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/13/89-09/13/89	9	0.21	0.23	0.61	0.07	0.027	0.163	0.07	0.105	0.275	0.61
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/13/89-09/13/89	9	3.	3.333	5.	2.	1.	1.	2.	3.	4.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0251

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	71	0	0.00	22	0	0.00	15	0	0.00	7	0	0.00	27	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	103	2	0.02	30	0	0.00	22	0	0.00	9	0	0.00	42	2	0.05
00400	PH	Other-Hi Lim.	9.	100	0	0.00	28	0	0.00	22	0	0.00	9	0	0.00	41	0	0.00
		Other-Lo Lim.	6.5	100	0	0.00	28	0	0.00	22	0	0.00	9	0	0.00	41	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	2	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0251

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	39	0	0.00	11	0	0.00	9	0	0.00	3	0	0.00	16	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	57	0	0.00	16	0	0.00	12	0	0.00	5	0	0.00	24	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	0.2	2	0	0.00	1	0	0.00							1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	73	0	0.00	22	0	0.00	15	0	0.00	8	0	0.00	28	0	0.00
		Drinking Water	250.	73	0	0.00	22	0	0.00	15	0	0.00	8	0	0.00	28	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	41	0	0.00	12	0	0.00	10	0	0.00	4	0	0.00	15	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	58	0	0.00	16	0	0.00	12	0	0.00	6	0	0.00	24	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	45	0	0.00	13	0	0.00	9	0	0.00	4	0	0.00	19	0	0.00
		Drinking Water	50.	45	0	0.00	13	0	0.00	9	0	0.00	4	0	0.00	19	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	2	0	0.00							1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2 &	2	1.00										2	2	1.00
		Drinking Water	5.	2 &	2	1.00										2	2	1.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00							1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	60 &	3	0.05	17	0	0.00	13	2	0.15	6	0	0.00	24	1	0.04
		Drinking Water	1300.	61	0	0.00	17	0	0.00	13	0	0.00	6	0	0.00	25	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	51	0	0.00	13	0	0.00	13	0	0.00	6	0	0.00	19	0	0.00
		Drinking Water	15.	50 &	6	0.12	13	1	0.08	13	2	0.15	6	0	0.00	18	3	0.17
01067	NICKEL, TOTAL	Fresh Acute	1400.	61	0	0.00	17	0	0.00	13	0	0.00	6	0	0.00	25	0	0.00
		Drinking Water	100.	61	1	0.02	17	1	0.06	13	0	0.00	6	0	0.00	25	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	1 &	0	0.00	1	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	61	4	0.07	17	3	0.18	13	0	0.00	6	0	0.00	25	1	0.04
		Drinking Water	5000.	61	0	0.00	17	0	0.00	13	0	0.00	6	0	0.00	25	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	40	0	0.00	12	0	0.00	8	0	0.00	3	0	0.00	17	0	0.00
		Drinking Water	50.	40	0	0.00	12	0	0.00	8	0	0.00	3	0	0.00	17	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	89	17	0.19	24	6	0.25	19	0	0.00	7	3	0.43	39	8	0.21
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	71	8	0.11	22	4	0.18	15	0	0.00	7	3	0.43	27	1	0.04
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	4	0	0.00	2	0	0.00							2	0	0.00
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00							1	0	0.00	1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	44	2	0.05	13	0	0.00	9	0	0.00	3	0	0.00	19	2	0.11
		Drinking Water	2.	44	3	0.07	13	0	0.00	9	1	0.11	3	0	0.00	19	2	0.11

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1953 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	7	42.	53.	78.	32.	438.	20.928	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	7	9.2	8.5	12.1	5.4	7.517	2.742	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	7	1.7	1.643	2.3	1.1	0.186	0.431	**	**	**	**
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	7	7.8	7.957	8.5	7.6	0.093	0.305	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	7	7.8	7.881	8.5	7.6	0.1	0.316	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	7	0.016	0.013	0.025	0.003	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	7	74.	72.429	95.	40.	403.952	20.099	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	7	130.	130.	180.	110.	566.667	23.805	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	7	6.	8.714	21.	3.	41.905	6.473	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	2	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	7	260.	257.143	330.	100.	7123.81	84.403	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	7	2.415	2.382	2.519	2.	0.034	0.185	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			241.043								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1954 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	7	54.	50.143	70.	32.	231.476	15.214	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	7	9.9	9.629	13.	5.	8.329	2.886	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	7	1.6	1.629	2.4	0.7	0.506	0.711	**	**	**	**
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	7	7.5	7.514	7.9	7.2	0.058	0.241	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	7	7.5	7.461	7.9	7.2	0.061	0.248	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	7	0.032	0.035	0.063	0.013	0.	0.018	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	7	60.	62.857	90.	36.	478.476	21.874	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	7	120.	121.429	140.	110.	114.286	10.69	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	7	13.	11.286	19.	2.	57.238	7.566	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	7	330.	360.	790.	130.	48833.333	220.983	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	7	2.519	2.492	2.898	2.114	0.065	0.254	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			310.348								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1955 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	6	64.	61.	81.	32.	303.2	17.413	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	6	8.55	8.05	10.	4.	4.867	2.206	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	6	2.	2.033	3.2	0.7	0.659	0.812	**	**	**	**
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	6	8.	7.65	8.3	6.6	0.463	0.68	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	6	8.	7.191	8.3	6.6	0.715	0.846	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	6	0.01	0.064	0.251	0.005	0.01	0.099	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	6	200.	244.667	490.	78.	21322.667	146.023	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	6	2.296	2.321	2.69	1.892	0.075	0.275	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			209.205								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1956 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	6	51.	51.	75.	32.	296.	17.205	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	6	9.35	9.317	11.	7.4	1.458	1.207	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	6	2.8	2.583	3.6	1.2	0.914	0.956	**	**	**	**
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	6	7.6	7.8	8.8	7.3	0.32	0.566	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	6	7.589	7.599	8.8	7.3	0.368	0.607	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	6	0.026	0.025	0.05	0.002	0.	0.019	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	1	9.	9.	9.	9.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	6	280.	412.167	1300.	45.	216144.167	464.913	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	6	2.44	2.372	3.114	1.653	0.284	0.533	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			235.296								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1957 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	6	64.	61.	81.	32.	303.2	17.413	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	6	8.55	8.05	10.	4.	4.867	2.206	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	6	2.	2.033	3.2	0.7	0.659	0.812	**	**	**	**
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	6	8.	7.65	8.3	6.6	0.463	0.68	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	6	8.	7.191	8.3	6.6	0.715	0.846	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	6	0.01	0.064	0.251	0.005	0.01	0.099	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	6	200.	244.667	490.	78.	21322.667	146.023	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	6	2.296	2.321	2.69	1.892	0.075	0.275	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			209.205								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	5	65.	61.8	73.	37.	209.2	14.464	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	5	3.9	4.12	5.	3.2	0.707	0.841	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	5	170.	164.	200.	110.	1130.	33.615	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	5	9.7	9.96	12.1	8.3	1.888	1.374	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	5	2.8	3.52	6.3	2.4	2.587	1.608	**	**	**	**
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	5	8.1	7.96	8.4	7.4	0.163	0.404	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	5	8.1	7.807	8.4	7.4	0.192	0.439	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	5	0.008	0.016	0.04	0.004	0.	0.015	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	5	73.	69.4	90.	34.	462.8	21.513	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	5	7.	8.4	12.	6.	8.3	2.881	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/29/76	5	0.1	0.27	0.7	0.025	0.097	0.311	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	5	0.17	0.242	0.67	0.07	0.06	0.244	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	5	90.	81.6	92.	53.	267.3	16.349	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	5	3.	3.6	5.	3.	0.8	0.894	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-07/21/77	2	625.	625.	830.	420.	84050.	289.914	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-07/21/77	2	87.5	87.5	110.	65.	1012.5	31.82	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	5	16.	51.8	210.	5.	7841.2	88.551	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	5	170.	408.	1400.	110.	309620.	556.435	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	5	2.23	2.379	3.146	2.041	0.199	0.446	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			239.182								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	5 ##	10.	50.	170.	10.	4800.	69.282	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	5 ##	1.	1.386	2.23	1.	0.315	0.561	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			24.316								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	9	64.	59.111	76.	32.	252.361	15.886	32.	45.5	73.	76.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	9	3.3	3.244	4.2	2.1	0.505	0.711	2.1	2.65	3.85	4.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	9	130.	129.556	180.	78.	1015.778	31.871	78.	109.	155.	180.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	9	8.	8.644	13.3	5.3	5.863	2.421	5.3	7.1	10.5	13.3
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	9	1.8	1.611	2.3	0.6	0.376	0.613	0.6	1.	2.15	2.3
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	9	7.4	7.489	8.	7.1	0.101	0.318	7.1	7.2	7.8	8.
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	9	7.4	7.399	8.	7.1	0.11	0.332	7.1	7.2	7.8	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	9	0.04	0.04	0.079	0.01	0.001	0.024	0.01	0.016	0.063	0.079
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	9	76.	72.	88.	54.	158.	12.57	54.	58.	82.	88.
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	9	7.	6.667	14.	2.	14.25	3.775	2.	3.	8.5	14.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	1	0.92	0.92	0.92	0.92	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/29/76	9	0.15	0.173	0.31	0.025	0.009	0.096	0.025	0.095	0.255	0.31
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	9	0.09	0.09	0.13	0.04	0.001	0.031	0.04	0.065	0.115	0.13
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	9	64.	66.778	110.	31.	489.194	22.118	31.	53.5	78.5	110.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	9	4.	4.889	16.	3.	17.611	4.197	3.	3.	4.	16.
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-07/21/77	9	910.	1060.	2000.	670.	205700.	453.542	670.	720.	1350.	2000.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-07/21/77	9	80.	79.889	140.	43.	851.861	29.187	43.	54.	93.	140.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	9	59.	63.444	130.	5.	2280.528	47.755	5.	15.	115.	130.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	9	1700.	6230.	24000.	220.	92908525.	9638.907	220.	230.	13450.	24000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	9	3.23	3.196	4.38	2.342	0.671	0.819	2.342	2.362	4.016	4.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1569.191								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	9	80.	1721.111	7900.	10.	8136486.111	2852.453	10.	35.	3600.	7900.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	9	1.903	2.318	3.898	1.	1.137	1.066	1.	1.5	3.526	3.898
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			207.929								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	12	45.5	51.	76.	33.	310.364	17.617	33.3	34.	69.5	75.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	12	3.25	4.008	7.5	2.6	2.752	1.659	2.66	3.	5.35	7.23
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	11	140.	146.364	170.	130.	205.455	14.334	130.	140.	160.	170.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	12	8.55	9.392	13.5	7.	5.121	2.263	7.06	7.575	10.875	13.5
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	12	1.9	2.025	3.3	0.8	0.662	0.814	0.92	1.325	2.8	3.21
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	12	7.6	7.575	7.8	6.9	0.067	0.26	7.05	7.425	7.8	7.8
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	12	7.6	7.482	7.8	6.9	0.077	0.277	7.05	7.425	7.8	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	12	0.025	0.033	0.126	0.016	0.001	0.031	0.016	0.016	0.038	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	12	76.	74.417	90.	46.	234.083	15.3	47.8	61.5	88.	89.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	4	120.	117.5	130.	100.	225.	15.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	12	7.	8.483	26.	0.8	54.912	7.41	1.16	2.5	11.	23.9
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	5	0.73	0.792	0.95	0.68	0.015	0.124	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	12 ##	0.1	0.117	0.2	0.1	0.002	0.039	0.1	0.1	0.1	0.2
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/29/76	12	0.175	0.244	0.81	0.11	0.037	0.192	0.11	0.143	0.293	0.663
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	12	0.08	0.084	0.12	0.04	0.001	0.025	0.043	0.07	0.108	0.117
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	12	72.5	76.	110.	42.	417.818	20.441	46.2	61.25	97.25	107.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	12	3.5	4.583	12.	2.	7.902	2.811	2.3	3.	6.25	10.5
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-07/21/77	12	675.	775.	1500.	330.	130536.364	361.298	351.	495.	992.5	1440.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-07/21/77	12	99.5	98.833	200.	5.	2735.606	52.303	10.7	86.25	107.5	191.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	12	14.	13.917	22.	5.	30.811	5.551	5.	10.25	18.	21.4
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	12	360.	2544.167	16000.	130.	23051953.788	4801.245	154.	215.	2750.	13570.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	12	2.539	2.827	4.204	2.114	0.474	0.689	2.176	2.332	3.399	4.112
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			672.19								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	12	41.	478.417	4900.	10.	1956358.265	1398.699	13.	20.	71.75	3577.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	12	1.604	1.757	3.69	1.	0.555	0.745	1.09	1.301	1.848	3.39
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			57.2								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	11	42.	46.727	74.	32.	247.818	15.742	32.	32.	61.	72.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	12	2.55	3.283	7.	1.7	2.667	1.633	1.79	2.1	4.675	6.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	12	140.	144.333	200.	92.	1225.333	35.005	94.4	112.5	175.	197.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	12	8.75	9.383	13.2	7.2	4.232	2.057	7.2	7.725	11.075	12.96
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	12	1.8	2.05	4.4	0.7	1.03	1.015	0.82	1.275	2.725	3.95
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	12	7.55	7.633	8.2	7.2	0.099	0.314	7.23	7.4	7.875	8.17
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	12	7.547	7.543	8.2	7.2	0.108	0.328	7.23	7.4	7.875	8.17
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	12	0.028	0.029	0.063	0.006	0.	0.017	0.007	0.013	0.04	0.059
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	12	71.5	71.083	110.	38.	431.356	20.769	39.8	56.	81.5	107.
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	12	120.	113.333	130.	92.	130.424	11.42	93.8	102.5	120.	127.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	12	4.5	7.15	19.	0.8	36.379	6.032	1.16	2.	11.75	17.8
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	12	0.605	0.598	1.1	0.15	0.082	0.286	0.15	0.4	0.81	1.016
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	12 ##	0.1	0.135	0.42	0.1	0.009	0.094	0.1	0.1	0.1	0.354
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/29/76	12	0.21	0.261	0.56	0.05	0.035	0.188	0.05	0.073	0.463	0.539
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	12	0.06	0.083	0.27	0.02	0.004	0.064	0.029	0.053	0.095	0.222
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	12	74.	71.917	92.	38.	312.992	17.692	42.2	55.	88.25	91.7
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	12	4.	4.583	8.	3.	2.992	1.73	3.	3.	6.	7.7
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	12 ##	5.	5.417	10.	5.	2.083	1.443	5.	5.	5.	8.5
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-07/21/77	12	670.	701.667	1700.	240.	168015.152	409.897	264.	407.5	852.5	1550.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-07/21/77	12	86.	76.417	170.	5.	2909.538	53.94	8.3	20.75	117.5	158.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	12 ##	5.	20.417	190.	5.	2852.083	53.405	5.	5.	5.	134.5
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	12	15.	15.667	29.	5.	73.515	8.574	5.	6.25	23.75	28.4
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	12	150.	460.75	2400.	79.	476932.205	690.603	79.3	87.5	650.	2010.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	12	2.172	2.354	3.38	1.898	0.242	0.492	1.899	1.938	2.764	3.279
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			225.867								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	12	20.	34.333	130.	2.	2046.242	45.235	2.6	10.75	24.5	130.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	12	1.301	1.258	2.114	0.301	0.266	0.516	0.391	1.028	1.386	2.114
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.108								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	12	42.5	49.	77.	32.	345.455	18.586	32.	32.	71.	76.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	12	4.8	5.3	12.	2.2	6.882	2.623	2.38	3.375	6.575	10.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	12	155.	153.583	200.	79.	1040.265	32.253	94.3	135.5	180.	194.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	12	9.6	9.708	13.9	6.5	4.17	2.042	6.59	8.6	11.	13.09
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	12	2.05	1.963	3.3	0.25	0.829	0.91	0.415	1.275	2.7	3.18
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	12	7.6	7.625	8.1	7.1	0.128	0.357	7.13	7.3	7.975	8.1
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	12	7.589	7.499	8.1	7.1	0.145	0.381	7.13	7.3	7.975	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	12	0.026	0.032	0.079	0.008	0.001	0.024	0.008	0.011	0.05	0.075
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	12	86.5	81.	110.	32.	423.455	20.578	41.3	70.	96.	107.
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	12	125.	124.667	140.	96.	174.061	13.193	100.2	120.	137.5	140.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	12	6.5	8.417	28.	2.	56.811	7.537	2.	3.	10.5	24.7
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	11	0.57	0.591	1.	0.15	0.092	0.304	0.15	0.38	0.91	0.992
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	12 ##	0.1	0.126	0.26	0.1	0.004	0.06	0.1	0.1	0.1	0.257
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/29/76	12	0.3	0.298	0.63	0.05	0.028	0.166	0.05	0.193	0.408	0.576
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	12	0.045	0.064	0.17	0.029	0.002	0.043	0.029	0.03	0.09	0.149
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	12	90.5	86.583	110.	39.	352.629	18.778	49.8	76.25	95.	110.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	12	3.5	3.667	5.	3.	0.606	0.778	3.	3.	4.	5.
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	12 ##	5.	18.75	73.	5.	644.023	25.378	5.	5.	38.75	68.2
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-07/21/77	11	520.	601.818	1300.	300.	103376.364	321.522	306.	360.	700.	1260.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-07/21/77	12	68.5	102.833	280.	5.	8189.788	90.497	9.5	36.	192.5	262.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	12 ##	5.	6.167	19.	5.	16.333	4.041	5.	5.	5.	14.8
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	12	18.5	38.833	190.	5.	2886.152	53.723	5.	5.	51.25	158.2
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	12	170.	1867.333	16000.	49.	20763130.606	4556.658	55.3	91.75	1022.5	12250.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	12	2.23	2.513	4.204	1.69	0.578	0.76	1.737	1.952	3.005	4.006
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			325.545								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	12	41.	64.917	330.	1.	8430.992	91.82	2.2	8.75	76.75	270.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	12	1.604	1.42	2.519	0.	0.482	0.694	0.21	0.938	1.884	2.397
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			26.304								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	12	3.85	4.842	13.	1.2	10.174	3.19	1.5	2.775	5.925	11.59
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	12	185.	192.5	260.	130.	1165.909	34.145	139.	172.5	220.	248.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	12	9.5	9.683	14.	6.8	3.931	1.983	7.07	8.15	11.05	13.28
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	12	1.6	1.821	3.9	0.25	1.083	1.041	0.415	0.95	2.65	3.63
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	12	8.	7.95	8.4	7.2	0.15	0.387	7.29	7.7	8.375	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	12	8.	7.784	8.4	7.2	0.18	0.424	7.29	7.7	8.375	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	12	0.01	0.016	0.063	0.004	0.	0.017	0.004	0.004	0.02	0.054
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	8	80.	81.75	110.	54.	253.929	15.935	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	12	125.	130.833	240.	100.	1281.061	35.792	103.	112.5	130.	207.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	12	5.	5.938	20.	0.25	28.547	5.343	0.475	2.5	6.	17.6
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	12	0.45	0.479	0.78	0.32	0.02	0.142	0.326	0.353	0.555	0.747
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	12 ##	0.1	0.122	0.36	0.1	0.006	0.075	0.1	0.1	0.1	0.282
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/19/71-07/29/76	7	0.15	0.231	0.57	0.005	0.055	0.236	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	12	0.049	0.048	0.082	0.016	0.	0.022	0.018	0.029	0.068	0.079
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	8	85.5	87.5	110.	59.	208.571	14.442	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	12	4.	4.167	8.	2.	2.333	1.528	2.3	3.25	4.	7.4
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-07/21/77	8	685.	604.125	1100.	93.	151758.982	389.563	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-07/21/77	8	86.5	92.125	190.	5.	3908.411	62.517	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	8 ##	5.	10.	23.	5.	56.857	7.54	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	7	170.	1529.857	9200.	79.	11499650.143	3391.113	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	7	2.23	2.501	3.964	1.898	0.519	0.721	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			316.91								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	12	6.	165.833	1700.	1.	235947.061	485.744	1.	2.	62.	1241.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	12	0.772	1.004	3.23	0.	0.96	0.98	0.	0.301	1.684	2.93
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.099								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	9	6.5	6.511	14.	2.	14.331	3.786	2.	3.15	8.55	14.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	9	180.	187.778	220.	160.	494.444	22.236	160.	170.	210.	220.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	9	8.2	8.867	11.8	7.	2.77	1.664	7.	7.9	10.25	11.8
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	9	1.1	1.172	1.8	0.25	0.203	0.451	0.25	0.95	1.5	1.8
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	6	7.85	7.833	8.	7.7	0.015	0.121	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	6	7.847	7.819	8.	7.7	0.015	0.122	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	6	0.014	0.015	0.02	0.01	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	3	81.	82.333	100.	66.	290.333	17.039	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	9	130.	125.556	140.	110.	77.778	8.819	110.	120.	130.	140.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	9	4.	3.639	9.	0.25	9.127	3.021	0.25	0.25	5.5	9.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	9	0.68	0.641	1.	0.31	0.047	0.217	0.31	0.46	0.8	1.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	9 ##	0.1	0.173	0.43	0.1	0.014	0.12	0.1	0.1	0.265	0.43
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	9	0.049	0.049	0.079	0.023	0.	0.017	0.023	0.034	0.062	0.079
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	3	84.	88.667	100.	82.	97.333	9.866	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	9	3.	3.111	4.	2.	0.611	0.782	2.	2.5	4.	4.
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	3 ##	5.	11.667	25.	5.	133.333	11.547	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-07/21/77	3	310.	386.667	580.	270.	28433.333	168.622	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-07/21/77	3	71.	90.	160.	39.	3931.	62.698	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	3 ##	5.	11.667	25.	5.	133.333	11.547	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	9	9.	163.667	1300.	1.	182733.75	427.474	1.	5.	65.5	1300.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	9	0.954	1.187	3.114	0.	0.859	0.927	0.	0.602	1.682	3.114
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.39								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	24	56.	53.708	78.	33.	167.694	12.95	35.	40.5	63.75	70.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	22	3.5	3.932	10.	1.2	4.367	2.09	1.79	2.275	5.	7.38
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	22	160.	162.909	260.	110.	1361.42	36.897	123.	133.	185.	214.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	30	9.2	9.8	14.	5.8	4.868	2.206	7.28	8.175	11.725	13.47
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	30	1.8	1.993	3.6	0.6	0.679	0.824	0.83	1.4	2.625	3.2
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	28	7.8	7.761	8.8	6.6	0.284	0.533	7.05	7.4	8.1	8.41
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	28	7.8	7.413	8.8	6.6	0.409	0.64	7.05	7.4	8.1	8.41
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	28	0.016	0.039	0.251	0.002	0.004	0.064	0.004	0.008	0.04	0.097
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	21	76.	75.429	100.	34.	196.257	14.009	60.	70.	88.	90.
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	21	120.	121.905	180.	100.	286.19	16.917	110.	110.	130.	138.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	26	6.	5.971	13.	0.25	10.162	3.188	1.7	3.75	8.	11.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	17	0.56	0.608	1.	0.15	0.052	0.228	0.334	0.47	0.8	0.96
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	22 ##	0.1	0.121	0.36	0.1	0.004	0.061	0.1	0.1	0.1	0.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	22	0.065	0.095	0.67	0.02	0.018	0.134	0.025	0.04	0.085	0.169
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	17	79.	82.	110.	53.	189.25	13.757	62.6	74.5	92.5	102.
00910	CALCIUM (MG/L AS CACO3)	07/19/71-07/21/77	17	54.	53.824	73.	35.	92.529	9.619	39.	47.5	59.	70.6
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	22	4.	4.227	12.	3.	4.089	2.022	3.	3.	4.	6.7
01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-07/21/77	13 ##	5.	4.669	5.	0.7	1.422	1.193	2.42	5.	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-07/21/77	16 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	17 ##	5.	5.294	10.	5.	1.471	1.213	5.	5.	5.	6.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	17 ##	5.	15.882	190.	5.	2013.235	44.869	5.	5.	5.	42.
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	17	16.	46.882	210.	5.	4659.36	68.26	5.	5.	69.5	194.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	24	230.	2551.167	24000.	45.	33745164.58	5809.059	78.	130.	1172.5	11950.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	24	2.362	2.623	4.38	1.653	0.596	0.772	1.892	2.114	3.032	4.051
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			419.282								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	22	20.5	743.273	7900.	1.	3803978.303	1950.379	2.	7.75	170.	4120.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	22	1.312	1.611	3.898	0.	1.154	1.074	0.301	0.889	2.23	3.592
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			40.848								
71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-07/21/77	13 ##	0.05	0.219	0.9	0.05	0.089	0.298	0.05	0.05	0.3	0.86

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	17	32.	32.412	34.	32.	0.507	0.712	32.	32.	33.	34.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	15	2.8	3.053	5.8	2.	1.233	1.11	2.06	2.2	3.5	5.38
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	15	180.	184.	220.	140.	725.714	26.939	140.	170.	220.	220.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	22	9.25	9.923	13.5	7.	3.354	1.831	7.92	8.5	11.	13.21
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	22	1.2	1.277	2.8	0.25	0.419	0.647	0.385	0.8	1.7	2.35
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	22	7.7	7.655	8.2	7.2	0.07	0.265	7.23	7.4	7.825	8.
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	22	7.7	7.579	8.2	7.2	0.076	0.276	7.23	7.4	7.825	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	22	0.02	0.026	0.063	0.006	0.	0.016	0.01	0.015	0.04	0.059
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	16	88.	88.813	110.	73.	116.429	10.79	74.4	80.75	93.75	110.
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	15	130.	125.333	140.	100.	126.667	11.255	106.	120.	130.	140.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	18	2.	3.583	11.	0.25	9.353	3.058	0.25	2.	5.	11.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	12	0.4	0.428	0.78	0.15	0.037	0.192	0.15	0.318	0.578	0.75
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	15 ##	0.1	0.133	0.43	0.1	0.008	0.092	0.1	0.1	0.1	0.328
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	15	0.04	0.057	0.27	0.016	0.004	0.061	0.02	0.03	0.06	0.151
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	13	92.	93.154	110.	60.	179.641	13.403	70.4	88.	105.	110.
00910	CALCIUM (MG/L AS CACO3)	07/19/71-07/21/77	13	61.	62.769	97.	38.	187.026	13.676	44.	56.5	69.	88.2
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	15	4.	4.2	8.	3.	1.6	1.265	3.	4.	4.	6.8
01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-07/21/77	9 ##	5.	4.	5.	0.5	3.938	1.984	0.5	2.75	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-07/21/77	13 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	13 ##	5.	14.231	73.	5.	518.359	22.767	5.	5.	5.	66.6
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	13 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	13	17.	22.615	84.	5.	523.756	22.886	5.	7.5	25.	72.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	19	230.	210.474	490.	49.	11589.819	107.656	80.	130.	260.	330.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	19	2.362	2.264	2.69	1.69	0.06	0.244	1.903	2.114	2.415	2.519
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			183.816								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	15	20.	33.2	130.	1.	1340.457	36.612	2.8	8.	50.	99.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	15	1.301	1.232	2.114	0.	0.332	0.576	0.361	0.903	1.699	1.984
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.067								
71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-07/21/77	9	0.3	0.456	2.1	0.05	0.427	0.653	0.05	0.05	0.55	2.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	6	33.5	36.	43.	32.	26.	5.099	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	7	6.5	7.114	14.	3.1	21.318	4.617	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	6	175.	173.333	200.	140.	386.667	19.664	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	9	11.1	10.822	11.8	9.2	0.679	0.824	9.2	10.15	11.4	11.8
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	9	1.9	1.928	2.9	0.25	0.573	0.757	0.25	1.65	2.45	2.9
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	9	7.6	7.644	7.9	7.4	0.028	0.167	7.4	7.5	7.8	7.9
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	9	7.6	7.617	7.9	7.4	0.029	0.169	7.4	7.5	7.8	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	9	0.025	0.024	0.04	0.013	0.	0.009	0.013	0.016	0.032	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	8	84.	76.75	100.	40.	483.357	21.985	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	7	120.	121.429	130.	110.	47.619	6.901	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	9	3.	4.867	19.	0.8	30.31	5.505	0.8	2.	5.	19.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	5	0.57	0.536	0.69	0.32	0.026	0.163	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	7 ##	0.1	0.14	0.28	0.1	0.005	0.072	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	7	0.066	0.073	0.11	0.043	0.001	0.025	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	6	88.	82.5	100.	42.	436.3	20.888	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	07/19/71-07/21/77	6	56.	53.333	74.	21.	302.667	17.397	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	8	3.	2.813	5.	0.5	1.853	1.361	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-07/21/77	4 ##	5.	3.875	5.	0.5	5.063	2.25	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-07/21/77	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	6	12.5	11.833	20.	5.	36.567	6.047	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	7	330.	1962.857	9200.	210.	10819757.143	3289.34	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	7	2.519	2.86	3.964	2.322	0.393	0.627	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			724.748								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	7	20.	486.286	1700.	14.	505829.905	711.217	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	7	1.301	1.987	3.23	1.146	0.87	0.933	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			97.151								
71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-07/21/77	3 ##	0.05	0.167	0.4	0.05	0.041	0.202	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-12/17/75	34	71.	66.441	81.	39.	128.254	11.325	47.	54.75	74.25	76.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-09/22/77	27	4.6	5.019	12.	2.1	4.589	2.142	2.6	3.5	6.5	7.26
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/71-09/22/77	27	140.	140.259	200.	78.	1108.892	33.3	89.4	120.	160.	182.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/22/77	42	7.85	7.979	11.4	4.	3.123	1.767	5.33	6.975	9.7	10.14
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/22/77	42	2.05	2.25	6.3	0.7	1.125	1.061	1.1	1.5	2.825	3.37
00400	PH (STANDARD UNITS)	01/21/53-06/09/77	41	7.8	7.707	8.4	6.9	0.168	0.41	7.2	7.35	8.	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-06/09/77	41	7.8	7.525	8.4	6.9	0.202	0.449	7.2	7.35	8.	8.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-06/09/77	41	0.016	0.03	0.126	0.004	0.001	0.029	0.005	0.01	0.045	0.063
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-07/21/77	31	65.	64.968	110.	32.	332.032	18.222	38.	54.	80.	87.6
00500	RESIDUE, TOTAL (MG/L)	01/21/53-09/22/77	23	120.	124.609	240.	92.	807.067	28.409	96.8	110.	130.	140.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/22/77	33	9.	11.517	28.	0.25	46.275	6.803	4.4	6.5	17.5	20.6
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/16/71-09/22/77	17	0.81	0.74	1.1	0.15	0.057	0.239	0.302	0.62	0.895	1.02
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/71-09/22/77	27 ##	0.1	0.123	0.42	0.1	0.005	0.072	0.1	0.1	0.1	0.25
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/71-09/22/77	27	0.082	0.087	0.17	0.03	0.001	0.035	0.047	0.06	0.11	0.138
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/71-07/21/77	25	65.	67.56	110.	31.	363.507	19.066	38.6	53.5	84.5	90.8
00910	CALCIUM (MG/L AS CACO3)	07/19/71-07/21/77	24	42.	42.5	66.	22.	157.652	12.556	25.	30.75	53.75	57.5
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-09/22/77	28	3.	4.161	16.	0.5	7.982	2.825	2.	3.	4.	7.1
01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-07/21/77	19 ##	5.	4.326	5.	0.5	2.562	1.601	0.7	5.	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-07/21/77	25 ##	5.	5.76	15.	5.	6.94	2.634	5.	5.	5.	8.6
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-07/21/77	25 ##	5.	7.6	50.	5.	94.	9.695	5.	5.	5.	13.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-07/21/77	25 ##	5.	6.36	25.	5.	22.907	4.786	5.	5.	5.	10.6
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-07/21/77	25	14.	23.36	120.	5.	719.657	26.826	5.	5.	30.	63.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-07/29/76	39	230.	1488.41	22000.	70.	17957119.564	4237.584	80.	130.	790.	2300.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-07/29/76	39	2.362	2.582	4.342	1.845	0.345	0.587	1.903	2.114	2.898	3.362
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			381.948								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	27	20.	217.815	4900.	1.	877475.695	936.737	1.8	9.	60.	138.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/19/71-09/22/77	27	1.301	1.33	3.69	0.	0.604	0.777	0.241	0.954	1.778	2.137
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			21.38								
71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-07/21/77	19	0.2	0.532	3.2	0.05	0.802	0.896	0.05	0.05	0.3	2.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0252

NPS Station ID: SACN0252
LAT/LON: 45.411392/ -92.649726
Agency: 21MINNQ
Date Created: 09/17/94
Location: ST CROIX R. AT TAYLORS FALLS
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): SCSC-52BB-15E53/@SSGWH-0020 /SC-52
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX
ECO Region:
RF1 Index: 07030005018
RF1 Mile Point: 22.770
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST. CROIX RIVER, ABOVE THE DAM AT TAYLOR FALLS, MINN-ST.CROIX FALLS, WI; ST. CROIX RIVER BASIN CHISAGO COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1953-57, 1971-093077

Parameter Inventory for Station: SACN0252

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0253

NPS Station ID: SACN0253 LAT/LON: 45.067782/ -92.650004 Agency: 21WITIS Date Created: 08/01/87
Location: BASS LAKE FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE/TISSUE STORET Station ID(s): 565001 /6270MA565001/3019W145001 /2450500
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07030005184400.00 RF3 Mile Point: 0.51 Distance from RF3: 0.32 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0253

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	04/16/86-07/29/92	30	2.19	2.636	7.28	0.24	3.989	1.997	0.276	0.928	4.41	5.559
00024	SAMPLE LENGTH IN INCHES	04/16/86-07/29/92	30	17.15	16.804	27.6	7.	35.014	5.917	7.22	12.65	20.848	25.08
34690	PCB - 1254 WET WGTTISMG/KG	07/29/92-07/29/92	1	0.044	0.044	0.044	0.044	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	05/22/89-05/22/89	2	## 0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39525	PCBS TOTAL,FISH TISSUE WET (ISOMER ANALYSES) MG/KG	07/29/92-07/29/92	2	0.	0.	0.	0.	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/16/86-04/18/86	3	0.74	0.793	0.92	0.72	0.012	0.11	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	04/19/88-07/29/92	24	0.2	0.249	0.7	0.08	0.02	0.143	0.095	0.125	0.3	0.4
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/22/89-05/22/89	2	0.	0.	0.	0.	0.	0.	**	**	**	**
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	05/22/89-07/29/92	5	2.3	3.62	10.	0.2	14.117	3.757	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	04/19/88-07/29/92	27	1.	1.185	3.	1.	0.311	0.557	1.	1.	1.	2.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0253

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	04/16/86-07/29/92	30	2.19	2.636	7.28	0.24	3.989	1.997	0.276	0.928	4.41	5.559
00024	SAMPLE LENGTH IN INCHES	04/16/86-07/29/92	30	17.15	16.804	27.6	7.	35.014	5.917	7.22	12.65	20.848	25.08

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0254

NPS Station ID: SACN0254 | LAT/LON: 45.383337/ -92.650004 | Agency: 21WIS | Date Created: 01/09/76
Location: WDNR FISH HATCHERY ST CROIX 001 | FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 493002 /6270MA493002/0004201001
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 0 | Water Body Id:
Minor Basin: ST CROIX RIVER | ECO Region:
RF1 Index: 07030005018 | RF1 Mile Point: 20.750 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 07030005207300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.14 | On/Off RF3:
Description:
WISCONSIN DEPT OF NATURAL RESOURCES FISH HATCHERY ST CROIX FALLS DISCHARGE 001 FROM CIRCULAR RACEWAYS TO ST CROIX RIVER

Parameter Inventory for Station: SACN0254

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/04/84-11/03/87	34	10.	9.912	10.	7.	0.265	0.514	10.	10.	10.	10.
00400	PH (STANDARD UNITS)	09/04/84-11/03/87	34	7.2	7.235	7.3	7.1	0.003	0.054	7.2	7.2	7.3	7.3
00400	CONVERTED PH (STANDARD UNITS)	09/04/84-11/03/87	34	7.2	7.232	7.3	7.1	0.003	0.054	7.2	7.2	7.3	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/84-11/03/87	34	0.063	0.059	0.079	0.05	0.	0.007	0.05	0.05	0.063	0.063
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/84-11/03/87	34	2.	2.294	8.	1.	3.062	1.75	1.	1.	3.25	5.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/06/85-08/06/85	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0254

Parameter				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	34	0	0.00	9	0	0.00	8	0	0.00	4	0	0.00	13	0	0.00
00400	PH	Other-Hi Lim.	9.	34	0	0.00	9	0	0.00	8	0	0.00	4	0	0.00	13	0	0.00
		Other-Lo Lim.	6.5	34	0	0.00	9	0	0.00	8	0	0.00	4	0	0.00	13	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0255

NPS Station ID: SACN0255 LAT/LON: 45.458338/ -92.650004 Agency: 21MINNQ Date Created: 09/17/94
Location: ST CROIX R FishComposit 4-7 MI N O TAYLORS FALLS FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/TISSUE STORET Station ID(s): SC131 /SC-55C
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX ECO Region:
RF1 Index: 07030005018 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: ON
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
St. Croix River above the dam at Taylors Falls, MN-St. Croix Falls, WI. Fish were composited from the NE corner of Section 12 to a point 3 miles upstream.; ST. CROIX RIVER BASIN T34NR19WS12 CHISAGO COUNTY
Fish were collected by the Minnesota Department of Natural Resources

Parameter Inventory for Station: SACN0255

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0256

NPS Station ID: SACN0256 | LAT/LON: 45.458338/ -92.650004 | Agency: 21MINN | Date Created: 02/19/94
Location: ST CROIX R FishComposit 4-7 MI N O TAYLORS FALLS | FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/TISSUE | STORET Station ID(s): SC131 /SC-55C
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: MAJ BASIN: UPPER MISS | Elevation: 0 | Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX | ECO Region:
RF1 Index: 07030005018 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1: ON
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
St. Croix River above the dam at Taylors Falls, MN-St. Croix Falls, WI. Fish were composited from the NE corner of Section 12 to a point 3 miles upstream.; ST. CROIX RIVER BASIN T34NR19WS12 CHISAGO COUNTY
Fish were collected by the Minnesota Department of Natural Resources

Parameter Inventory for Station: SACN0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/26/91-09/26/91	4	3.15	3.15	6.1	0.2	7.017	2.649	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/26/91-09/26/91	4	20.55	19.625	30.	7.4	92.069	9.595	**	**	**	**
04263	INVALID PARAMETER	09/26/91-09/26/91	4	910930.	910930.	910930.	910930.	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	09/26/91-09/26/91	4	## 0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	09/26/91-09/26/91	4	## 0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	09/26/91-09/26/91	4	4.5	4.85	10.	0.4	26.73	5.17	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/26/91-09/26/91	4	## 0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/26/91-09/26/91	4	0.125	0.195	0.45	0.08	0.03	0.172	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/26/91-09/26/91	4	4.	4.	7.	1.	12.	3.464	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0257

NPS Station ID: SACN0257
LAT/LON: 45.383337/ -92.650004
Agency: 21WIS
Date Created: 01/09/76
Location: WDNR FISH HATCHERY ST CROIX 002
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 493003 /6270MA493003/0004201002
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030005018
RF1 Mile Point: 20.750
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030005041100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.63
On/Off RF3:
Description:
WISCONSIN DEPT OF NATURAL RESOURCES FISH HATCHERY ST CROIX FALLS DISCHARGE 002 FROM RECTANGULAR RACEWAYS TO ST CROIX RIVER

Parameter Inventory for Station: SACN0257

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/04/84-09/01/87	8	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/04/84-09/01/87	8	7.2	7.212	7.3	7.1	0.004	0.064	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/04/84-09/01/87	8	7.2	7.208	7.3	7.1	0.004	0.064	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/84-09/01/87	8	0.063	0.062	0.079	0.05	0.	0.009	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/84-09/01/87	8	2.	1.875	3.	1.	0.696	0.835	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0257

			Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	8	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00400 PH	Other-Hi Lim.	9.	8	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
	Other-Lo Lim.	6.5	8	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0258

NPS Station ID: SACN0258
LAT/LON: 45.391670/ -92.650004
Agency: 21WITIS
Date Created: 11/26/88
Location: ST CROIX R BEL ST CROIX FALLS
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 495007 /6270MA495007
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 14.10
On/Off RF1:
RF3 Index: 07030005054100.00
RF3 Mile Point: 1.34
Distance from RF3: 0.10
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164

Parameter Inventory for Station: SACN0258

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	06/07/87-06/18/87	17	1.37	2.585	7.34	0.37	5.905	2.43	0.466	0.805	4.2	6.972
00024	SAMPLE LENGTH IN INCHES	06/07/87-06/18/87	17	17.	17.584	28.	9.1	29.959	5.473	10.22	13.685	21.55	26.16
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	06/11/87-06/11/87	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	06/07/87-06/07/87	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	06/07/87-06/07/87	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	06/07/87-06/07/87	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	06/07/87-06/07/87	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	06/07/87-06/07/87	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	06/07/87-06/18/87	15	0.56	0.745	4.2	0.1	0.978	0.989	0.1	0.33	0.62	2.28
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	06/07/87-06/18/87	7	0.6	0.543	1.	0.2	0.086	0.294	**	**	**	**
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	06/07/87-06/18/87	15	1.5	2.149	7.1	0.3	3.009	1.735	0.624	1.1	2.8	5.48
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/07/87-06/18/87	17	1.	1.412	3.	1.	0.507	0.712	1.	1.	2.	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0259

NPS Station ID: SACN0259 | LAT/LON: 45.383337/ -92.650004 | Agency: 21WIS | Date Created: 01/09/76
Location: WDNR FISH HATCHERY ST CROIX 003 | FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 493004 /6270MA493004/0004201003
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 0 | Water Body Id:
Minor Basin: ST CROIX FALLS | ECO Region:
RF1 Index: 07030005018 | RF1 Mile Point: 20.750 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 07030005041100.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.63 | On/Off RF3:
Description:
WISCONSIN DEPT OF NATURAL RESOURCES FISH HATCHERY ST CROIX FALLS DISCHARGE FROM TANK ROOM BLDG TO ST CROIX RIVER

Parameter Inventory for Station: SACN0259

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/04/84-09/01/87	14	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
00400	PH (STANDARD UNITS)	09/04/84-09/01/87	14	7.2	7.221	7.3	7.1	0.003	0.058	7.15	7.2	7.3	7.3
00400	CONVERTED PH (STANDARD UNITS)	09/04/84-09/01/87	14	7.2	7.218	7.3	7.1	0.003	0.058	7.15	7.2	7.3	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/84-09/01/87	14	0.063	0.061	0.079	0.05	0.	0.008	0.05	0.05	0.063	0.071
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/84-09/01/87	14 ##	1.	1.786	6.	1.	1.874	1.369	1.	1.	2.	4.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0259

Parameter				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	14	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00
00400	PH	Other-Hi Lim.	9.	14	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	14	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0260

NPS Station ID: SACN0260
LAT/LON: 45.029503/ -92.650670
Agency: 21WIS
Date Created: 01/23/93
Location: WILLOW R BELOW MOUND POND DAM
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563078 /6270AA563078/2919W023078
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030005000400.04
RF3 Mile Point: 0.04
Distance from RF3: 0.01
On/Off RF3:
Description:
STATION FOR KEN SCHREIBER OF WESTERN EAU CLAIRE (715)839-3798 SAMPLED AT END OF TRAIL - BELOW LAST WATERFALL.
(T29R19W02NWSE)

Parameter Inventory for Station: SACN0260

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/92-12/07/93	22	14.2	11.3	20.8	0.	62.689	7.918	1.15	2.375	18.575	20.32
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/10/93-12/07/93	9	2.6	2.789	4.9	1.7	1.161	1.078	1.7	1.95	3.45	4.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/93-12/07/93	11	393.	374.273	425.	273.	1888.618	43.458	284.8	345.	399.	422.2
00300	OXYGEN, DISSOLVED MG/L	10/29/92-12/07/93	22	9.65	10.223	13.1	7.6	3.663	1.914	7.78	8.525	12.15	12.87
00400	PH (STANDARD UNITS)	10/29/92-12/07/93	22	8.39	8.265	8.57	7.7	0.067	0.258	7.845	8.025	8.46	8.521
00400	CONVERTED PH (STANDARD UNITS)	10/29/92-12/07/93	22	8.389	8.183	8.57	7.7	0.074	0.271	7.845	8.025	8.46	8.521
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/29/92-12/07/93	22	0.004	0.007	0.02	0.003	0.	0.005	0.003	0.003	0.009	0.014
00403	PH, LAB, STANDARD UNITS SU	01/14/93-12/07/93	11	8.2	8.236	8.4	8.1	0.007	0.081	8.12	8.2	8.3	8.38
00403	CONVERTED PH, LAB, STANDARD UNITS	01/14/93-12/07/93	11	8.2	8.23	8.4	8.1	0.007	0.081	8.12	8.2	8.3	8.38
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/93-12/07/93	11	0.006	0.006	0.008	0.004	0.	0.001	0.004	0.005	0.006	0.008
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/93-12/07/93	11	166.	160.818	182.	111.	366.564	19.146	117.8	155.	171.	180.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/14/93-12/07/93	11	2.	2.727	6.	1.	3.018	1.737	1.	1.	4.	5.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/29/92-12/07/93	21	0.051	0.82	16.	0.01	12.099	3.478	0.015	0.036	0.077	0.178
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/14/93-12/07/93	11	0.4	0.418	0.8	0.1	0.044	0.209	0.12	0.3	0.6	0.78
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/14/93-12/07/93	11	3.	3.109	4.5	2.	0.847	0.92	2.02	2.2	3.8	4.48
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/92-12/07/93	12	0.075	0.083	0.14	0.016	0.001	0.035	0.029	0.063	0.12	0.137
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/14/93-12/07/93	11	0.052	0.055	0.083	0.034	0.	0.016	0.034	0.044	0.066	0.081
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/03/93-12/07/93	10	200.	187.	200.	130.	512.222	22.632	134.	177.5	200.	200.
00916	CALCIUM, TOTAL (MG/L AS CA)	02/03/93-12/07/93	10	43.5	41.4	46.	30.	23.6	4.858	30.7	38.5	44.25	45.9
00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/03/93-12/07/93	10	21.	20.1	22.	14.	6.1	2.47	14.4	19.5	22.	22.
00940	CHLORIDE,TOTAL IN WATER MG/L	03/10/93-12/07/93	9	13.	13.333	16.	10.	3.75	1.936	10.	12.	15.	16.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/07/93-10/13/93	6	20.	60.	200.	5.	6310.	79.436	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/07/93-10/13/93	6	1.239	1.37	2.301	0.699	0.473	0.688	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			23.42								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/07/93-10/13/93	6	15.	24.167	60.	5.	464.167	21.545	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/07/93-10/13/93	6	1.151	1.23	1.778	0.699	0.166	0.408	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			16.984								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0260

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	22	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00	9	0	0.00
00400	PH	Other-Hi Lim.	9.	22	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00	9	0	0.00
		Other-Lo Lim.	6.5	22	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00	9	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
		Other-Lo Lim.	6.5	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00
		Drinking Water	250.	9	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	6	1	0.17	2	1	0.50				1	0	0.00	3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0261

NPS Station ID: SACN0261
LAT/LON: 45.398337/ -92.652226
Agency: 112WRD
Date Created: 12/02/81
Location: ST. CROIX RIVER AT TAYLORS FALLS, MN
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05340502
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 17.70
On/Off RF1:
RF3 Index: 07030005232100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.32
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0261

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/81-07/20/83	4	22.5	19.125	24.5	7.	66.396	8.148	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/20/83-07/20/83	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/20/83-07/20/83	1	740.	740.	740.	740.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	08/17/82-08/17/82	1	1900.	1900.	1900.	1900.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/20/81-08/20/81	1	3200.	3200.	3200.	3200.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/81-07/20/83	4	157.5	147.75	165.	111.	616.917	24.838	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/20/81-07/20/83	4	8.15	8.525	10.7	7.1	2.389	1.546	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/20/81-08/17/82	2	98.	98.	102.	94.	32.	5.657	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/81-07/20/83	2	7.56	7.56	7.8	7.32	0.115	0.339	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/81-07/20/83	2	7.497	7.497	7.8	7.32	0.123	0.351	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/81-07/20/83	2	0.032	0.032	0.048	0.016	0.001	0.023	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/20/81-08/20/81	1	0.79	0.79	0.79	0.79	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/20/81-08/17/82	2	0.62	0.62	0.68	0.56	0.007	0.085	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/81-07/20/83	3	0.07	0.06	0.09	0.02	0.001	0.036	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/81-07/20/83	3	0.02	0.028	0.06	0.005	0.001	0.028	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/81-07/20/83	3	0.65	0.65	0.7	0.6	0.002	0.05	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/81-07/20/83	3	0.14	0.13	0.2	0.05	0.006	0.075	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/81-07/20/83	3	0.05	0.05	0.06	0.04	0.	0.01	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/81-07/20/83	3	14.	11.233	15.	4.7	32.263	5.68	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/81-07/20/83	4	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/20/81-07/20/83	4 ##	75.	93.75	200.	25.	5989.583	77.392	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/20/82-07/20/83	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/20/81-07/20/83	4	10.	12.5	20.	10.	25.	5.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/20/82-07/20/83	2	4.	4.	4.	4.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/20/81-07/20/83	4	595.	525.	790.	120.	97366.667	312.036	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/20/82-07/20/83	2 ##	6.75	6.75	13.	0.5	78.125	8.839	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/20/81-07/20/83	4	80.	80.	100.	60.	333.333	18.257	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/20/81-07/20/83	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/20/81-07/20/83	4	10.	10.	10.	10.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/20/81-07/20/83	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/20/83	3	120.	240.333	530.	71.	63530.333	252.052	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/20/83	3	2.079	2.218	2.724	1.851	0.205	0.453	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			165.287								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/20/83	3	350.	422.667	850.	68.	156841.333	396.032	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/20/83	3	2.544	2.435	2.929	1.833	0.31	0.556	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			272.478								
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/20/81-07/20/83	3	0.15	0.15	0.18	0.12	0.001	0.03	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/20/81-08/20/81	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0261

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900	MERCURY, TOTAL (UG/L AS HG)	08/20/81-07/20/83	4 ##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0261

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	4	0	0.00	3	0	0.00							1	0	0.00
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00							1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00							1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00							1	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	50.	4	0	0.00	3	0	0.00							1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	4	0	0.00	3	0	0.00							1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	5.	2	0	0.00	1	0	0.00							1	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	3	0	0.00							1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	1300.	2	0	0.00	1	0	0.00							1	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	15.	2	0	0.00	1	0	0.00							1	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	2	0	0.00							1	0	0.00
		Drinking Water	100.	3	0	0.00	2	0	0.00							1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	5000.	4	0	0.00	3	0	0.00							1	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	4	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	50.	4	0	0.00	3	0	0.00							1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	1	0.33	2	0	0.00							1	1	1.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	2.	4	0	0.00	3	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0262

NPS Station ID: SACN0262
LAT/LON: 45.393671/ -92.653809
Agency: 21WITIS
Date Created: 12/17/88
Location: LAKE O'DALLES
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 495020 /6270MA495020/3419W365020
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030005042400.00
RF3 Mile Point: 1.19
Distance from RF3: 0.20
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0262

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0263

NPS Station ID: SACN0263 LAT/LON: 45.026838/ -92.654671 Agency: 21WIS Date Created: 10/30/93
Location: WILLOW R CTH A BLW MOUNDS POND FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 563095 /6270AA563095/2910W023095
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1:
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
STATION FOR KEN SCHREIBER OF WD EAU CLAIRE (715)839-3723

Parameter Inventory for Station: SACN0263

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-09/02/93	5	19.	18.92	20.5	17.1	1.582	1.258	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/93-09/02/93	5	8.3	8.46	9.4	7.6	0.733	0.856	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/93-09/02/93	5	8.	8.07	8.45	7.7	0.083	0.289	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/93-09/02/93	5	8.	7.997	8.45	7.7	0.09	0.3	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-09/02/93	5	0.01	0.01	0.02	0.004	0.	0.006	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/93-09/02/93	4	0.05	0.053	0.079	0.033	0.	0.019	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0263

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	2	0	0.00							3	0	0.00
00400	PH	Other-Hi Lim.	9.	5	0	0.00	2	0	0.00							3	0	0.00
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00							3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0264

NPS Station ID: SACN0264
LAT/LON: 45.111559/ -92.655421
Agency: 21WITIS
Date Created: 12/17/88
Location: SOMERSET LAKE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 565007 /6270MA565007/3019W025007
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 3.20
On/Off RF1:
RF3 Index: 07030005000310.21
RF3 Mile Point: 12.81
Distance from RF3: 0.08
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0264

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0265

NPS Station ID: SACN0265 LAT/LON: 45.111531/ -92.656531 Agency: 21WIS Date Created: 08/10/85
Location: APPLE R @ APPLE R. EATERY (4) FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 563049 /6270AC563049
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 1 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 0 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005008 RF1 Mile Point: 6.590 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005000803.68 RF3 Mile Point: 9.68 Distance from RF3: 0.04 On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)836-4267

Parameter Inventory for Station: SACN0265

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/28/85-08/11/85	15	13.	13.333	24.	8.	13.095	3.619	9.8	11.	14.	19.2
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/28/85-08/20/85	16	65.	74.188	180.	10.	3035.229	55.093	14.9	30.	122.5	173.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	07/28/85-08/20/85	16	1.812	1.736	2.255	1.	0.142	0.377	1.161	1.477	2.085	2.238
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			54.474								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/28/85-08/11/85	15	50.	64.	170.	30.	1511.429	38.877	30.	30.	80.	134.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	07/28/85-08/11/85	15	1.699	1.744	2.23	1.477	0.055	0.234	1.477	1.477	1.903	2.117
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			55.41								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/28/85-08/11/85	15 ##	5.	14.333	100.	5.	613.81	24.775	5.	5.	10.	58.
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/28/85-08/11/85	15 ##	0.699	0.898	2.	0.699	0.154	0.393	0.699	0.699	1.	1.686
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			7.903								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/28/85-08/20/85	16	85.	112.375	240.	5.	6942.917	83.324	10.6	40.	210.	233.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/28/85-08/20/85	16	1.929	1.874	2.38	0.699	0.232	0.481	0.989	1.602	2.322	2.367
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			74.815								
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	1	58.	58.	58.	58.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0265

			Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	16	0	0.00	1	0	0.00							15	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0266

NPS Station ID: SACN0266
LAT/LON: 45.844170/ -92.660281
Agency: 12ELS1
Date Created: 04/16/88
Location: DIKE 4&5 FLOWAGE
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 2D3-029
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 3
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 6.30
On/Off RF1:
RF3 Index: 07030001057400.00
RF3 Mile Point: 1.31
Distance from RF3: 0.07
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0266

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/84-10/28/84	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/28/84-10/28/84	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/28/84-10/28/84	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/84-10/28/84	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/28/84-10/28/84	1	0.99	0.99	0.99	0.99	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/28/84-10/28/84	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/84-10/28/84	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/84-10/28/84	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/28/84-10/28/84	1	184.	184.	184.	184.	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/28/84-10/28/84	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/28/84-10/28/84	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/28/84-10/28/84	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/28/84-10/28/84	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/28/84-10/28/84	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/28/84-10/28/84	1	1.04	1.04	1.04	1.04	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/28/84-10/28/84	1	0.82	0.82	0.82	0.82	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/28/84-10/28/84	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/28/84-10/28/84	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/84-10/28/84	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/28/84-10/28/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/28/84-10/28/84	1	52.	52.	52.	52.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/28/84-10/28/84	1	0.461	0.461	0.461	0.461	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/28/84-10/28/84	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/28/84-10/28/84	1	430.	430.	430.	430.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/28/84-10/28/84	1	935.09	935.09	935.09	935.09	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/28/84-10/28/84	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/84-10/28/84	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0266

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0266

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0267

NPS Station ID: SACN0267 | LAT/LON: 45.607003/ -92.661504 | Agency: 21WIL | Date Created: 08/29/92
Location: PINE ISLAND LAKE | FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 494018 /6270AG494018/3619W134018
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 7 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 11.20 | On/Off RF1:
RF3 Index: 07030005075100.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.13 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0267

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00032	CLOUD COVER (PERCENT)	08/07/79-08/07/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/07/79-08/07/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/07/79-08/07/79	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/07/79-08/07/79	1	98.	98.	98.	98.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/07/79-08/07/79	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/07/79-08/07/79	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/07/79-08/07/79	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/07/79-08/07/79	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/07/79-08/07/79	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/07/79-08/07/79	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/07/79-08/07/79	1	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/07/79-08/07/79	1	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/07/79-08/07/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/07/79-08/07/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/07/79-08/07/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/07/79-08/07/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/07/79-08/07/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/07/79-08/07/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/79-08/07/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/07/79-08/07/79	1	11.36	11.36	11.36	11.36	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/07/79-08/07/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0267

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0267

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0268

NPS Station ID: SACN0268 | LAT/LON: 45.621503/ -92.661670 | Agency: 21WIL | Date Created: 08/29/92
Location: WOLF LAKE | FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 494021 /6270AG494021/3619W124021
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 22 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07030005146700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0268

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/07/79-08/07/79	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/07/79-08/07/79	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/07/79-08/07/79	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/07/79-08/07/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/07/79-08/07/79	1	181.	181.	181.	181.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/07/79-08/07/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/07/79-08/07/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/07/79-08/07/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/07/79-08/07/79	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/07/79-08/07/79	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/07/79-08/07/79	1	1.66	1.66	1.66	1.66	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/07/79-08/07/79	1	1.38	1.38	1.38	1.38	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/07/79-08/07/79	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/07/79-08/07/79	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/07/79-08/07/79	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/07/79-08/07/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/07/79-08/07/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/07/79-08/07/79	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/07/79-08/07/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/79-08/07/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/07/79-08/07/79	1	57.05	57.05	57.05	57.05	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/07/79-08/07/79	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0268

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0268

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	1	1.00										1	1	1.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0269

NPS Station ID: SACN0269 | LAT/LON: 45.159003/ -92.661670 | Agency: 21WIL | Date Created: 08/29/92
Location: TURTLE LAKE | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 564002 /6270AG564002/3119W244002
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 12 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.50 | On/Off RF1:
RF3 Index: 07030005000809.40 | RF3 Mile Point: 10.18 | Distance from RF3: 0.04 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0269

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00032	CLOUD COVER (PERCENT)	08/28/79-08/28/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/79-08/28/79	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/79-08/28/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/28/79-08/28/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/28/79-08/28/79	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/28/79-08/28/79	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/79-08/28/79	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/79-08/28/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/28/79-08/28/79	1	0.98	0.98	0.98	0.98	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/79-08/28/79	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	1	0.019	0.019	0.019	0.019	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/79-08/28/79	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/79-08/28/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/79-08/28/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/79-08/28/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/28/79-08/28/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/28/79-08/28/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/79-08/28/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/79-08/28/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/28/79-08/28/79	1	11.21	11.21	11.21	11.21	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/28/79-08/28/79	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0269

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0269

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0270

NPS Station ID: SACN0270 LAT/LON: 45.118615/ -92.664892 Agency: 21WIS Date Created: 08/10/85
Location: APPLE R @ SOMERSET CAMP (5) FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 563050 /6270AC563050
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 1 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 0 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005008 RF1 Mile Point: 5.900 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005000803.68 RF3 Mile Point: 9.02 Distance from RF3: 0.04 On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)836-4267

Parameter Inventory for Station: SACN0270

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	19	18.	17.684	27.	4.	26.228	5.121	12.	15.	20.	25.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-08/20/85	20	60.	448.5	2800.	10.	848013.421	920.876	20.	35.	187.5	2650.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	07/24/85-08/20/85	20	1.778	1.98	3.447	1.	0.496	0.704	1.301	1.533	2.27	3.422
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			95.436								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	19	70.	334.737	3000.	10.	613037.427	782.967	10.	50.	120.	2000.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	07/24/85-08/12/85	19	1.845	1.949	3.477	1.	0.383	0.619	1.	1.699	2.079	3.301
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			88.863								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	19	20.	97.105	1000.	5.	56461.988	237.617	5.	5.	40.	380.
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	19	1.301	1.304	3.	0.699	0.476	0.69	0.699	0.699	1.602	2.58
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			20.14								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	20	90.	224.	1600.	5.	171796.316	414.483	15.5	22.5	195.	1105.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	20	1.952	1.906	3.204	0.699	0.386	0.621	1.189	1.345	2.29	3.011
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			80.501								
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	1	50.	50.	50.	50.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0270

			Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31613 FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	20	5	0.25	1	1	1.00							19	4	0.21

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0271

NPS Station ID: SACN0271
LAT/LON: 45.951392/ -92.666671
Agency: 112WRD
Date Created: / /
Location: SAND CREEK NEAR HINCKLEY, MN
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05335900
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030001046
RF1 Mile Point: 2.860
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030001004301.96
RF3 Mile Point: 3.55
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0271

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/07/67-09/07/67	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0272

NPS Station ID: SACN0272
LAT/LON: 45.390198/ -92.666671
Agency: 21WITIS
Date Created: 06/22/91
Location: ST CROIX R 08 WI INTRSTATE PARK
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 495029 /6270MA495029/3419W365029
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 23.30
On/Off RF1:
RF3 Index: 07030001067600.00
RF3 Mile Point: 0.31
Distance from RF3: 0.03
On/Off RF3:
Description:
STATION FOR LIEBENSTEIN OF WRM-MADISON (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0272

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	08/16/89-08/16/89	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	08/16/89-08/16/89	1	4.	4.	4.	4.	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	08/16/89-08/16/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	08/16/89-08/16/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	08/16/89-08/16/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	08/16/89-08/16/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	08/16/89-08/16/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/16/89-08/16/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	08/16/89-08/16/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	08/16/89-08/16/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	08/16/89-08/16/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/16/89-08/16/89	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	08/16/89-08/16/89	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	08/16/89-08/16/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	08/16/89-08/16/89	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	08/16/89-08/16/89	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/16/89-08/16/89	1	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0273

NPS Station ID: SACN0273 | LAT/LON: 45.120837/ -92.668365 | Agency: 21WIS | Date Created: 08/10/85
Location: APPLE R. BELOW DUTCHTOWN (7) | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 563052 /6270AC563052
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 1 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 0 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005008 | RF1 Mile Point: 5.650 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 07030005000803.68 | RF3 Mile Point: 5.51 | Distance from RF3: 0.01 | On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)836-4267 APPLE RIVER BELOW DUTCHTOWN IN SOMERSET 800' ABOVE HWY 35 BRIDGE ON WEST BANK

Parameter Inventory for Station: SACN0273

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	4	21.5	21.25	27.	15.	44.25	6.652	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-08/20/85	5	160.	1164.	2800.	100.	1971680.	1404.165	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	07/24/85-08/20/85	5	2.204	2.654	3.447	2.	0.51	0.714	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			450.894								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	4	1345.	1402.5	2800.	120.	2090825.	1445.969	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	07/24/85-08/12/85	4	2.838	2.801	3.447	2.079	0.523	0.723	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			632.06								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	4	85.	175.	500.	30.	48033.333	219.165	**	**	**	**
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	4	1.91	1.999	2.699	1.477	0.271	0.521	**	**	**	**
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			99.749								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	5	270.	803.2	2100.	16.	817601.2	904.213	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	5	2.431	2.493	3.322	1.204	0.699	0.836	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			311.252								
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	1	49.	49.	49.	49.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0273

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	5	2	0.40	1	0	0.00							4	2	0.50

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0274

NPS Station ID: SACN0274
LAT/LON: 45.122448/ -92.669059
Agency: 21WIS
Date Created: 08/10/85
Location: APPLE R ABOVE DUTCHTOWN (6)
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563051 /6270AC563051
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 1
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005008
RF1 Mile Point: 5.410
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000803.68
RF3 Mile Point: 5.86
Distance from RF3: 0.03
On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)836-4267 APPLE RIVER ABOVE DUTCHTOWN IN SOMERSET WI ON WEST BANK

Parameter Inventory for Station: SACN0274

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0275

NPS Station ID: SACN0275
LAT/LON: 45.019115/ -92.671476
Agency: 21WIS
Date Created: 04/23/88
Location: MILL POND ON WILLOW RIVER
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE/SOLIDS
STORET Station ID(s): 563060 /6270LA563060
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 24
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 1.30
On/Off RF1:
RF3 Index: 07030005000404.51
RF3 Mile Point: 4.51
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)839-3724 MILL POND SEDIMENT 1/3 OF DISTANCE ACROSS FROM THE NORTH SHORE 180' ABOVE THE DAM.

Parameter Inventory for Station: SACN0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	02/03/88-02/03/88	2	5000.	5000.	5000.	5000.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/03/88-02/03/88	2	37.5	37.5	40.	35.	12.5	3.536	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	02/03/88-02/03/88	2	22.5	22.5	25.	20.	12.5	3.536	**	**	**	**
61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	02/03/88-02/03/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	02/03/88-02/03/88	2	58.	58.	59.	57.	2.	1.414	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	02/03/88-02/03/88	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
82294	NITROGEN, AMMONIA, SLUDGE, TOT,DRY WT, AS N, MG/KG	02/03/88-02/03/88	2	380.	380.	450.	310.	9800.	98.995	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0276

NPS Station ID: SACN0276
LAT/LON: 45.125670/ -92.672004
Agency: 21WIS
Date Created: 02/09/77
Location: APPLE R W/BK 140FT DNST FOOTBDGE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563035
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005008
RF1 Mile Point: 5.260
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000803.68
RF3 Mile Point: 6.30
Distance from RF3: 0.08
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0276

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/06/80	57	200.	472.281	8600.	50.	1327228.634	1152.054	88.	135.	410.	960.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/23/77-08/06/80	57	2.301	2.375	3.934	1.699	0.172	0.414	1.944	2.13	2.613	2.982
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			237.38								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0276

				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	57	30	0.53	14	8	0.57							43	22	0.51

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0277

NPS Station ID: SACN0277
LAT/LON: 45.126226/ -92.672170
Agency: 21WIS
Date Created: 02/09/77
Location: APPLE R W/BK 340FT DNST FOOTBDGE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563034
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005008
RF1 Mile Point: 5.110
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000803.68
RF3 Mile Point: 6.44
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0277

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/06/80	57	190.	548.07	9000.	10.	1984026.566	1408.555	86.	110.	380.	858.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/23/77-08/06/80	57	2.279	2.36	3.954	1.	0.227	0.477	1.932	2.041	2.58	2.933
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			229.294								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0277

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	57	27	0.47	14	8	0.57							43	19	0.44

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0278

NPS Station ID: SACN0278
LAT/LON: 45.124977/ -92.672059
Agency: 21WIS
Date Created: 02/09/77
Location: APPLE R WESTBANK UNDER HY64 BDGE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563036
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005008
RF1 Mile Point: 5.260
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000803.68
RF3 Mile Point: 6.40
Distance from RF3: 0.07
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/84-08/21/84	5	26.	25.	26.	22.	3.	1.732	**	**	**	**
00400	PH (STANDARD UNITS)	08/05/84-08/21/84	5	8.	7.89	8.05	7.4	0.075	0.275	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/05/84-08/21/84	5	8.	7.803	8.05	7.4	0.085	0.292	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/05/84-08/21/84	5	0.01	0.016	0.04	0.009	0.	0.013	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/05/84-08/21/84	4	0.025	0.028	0.05	0.01	0.	0.017	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/21/84	61	300.	625.574	6600.	5.	1146407.582	1070.704	24.	95.	610.	1380.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/23/77-08/21/84	61	2.477	2.384	3.82	0.699	0.434	0.659	1.361	1.977	2.785	3.14
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			242.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/05/84-08/21/84	4	1080.	2490.	7400.	400.	10849733.333	3293.893	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/05/84-08/21/84	4	3.024	3.13	3.869	2.602	0.288	0.537	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1348.756								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0278

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	5	0	0.00	2	0	0.00							3	0	0.00
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00							3	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	61	37	0.61	16	11	0.69							45	26	0.58

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/21/84	16	395.	405.938	1000.	5.	100357.396	316.792	36.5	95.	597.5	1000.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/23/77-08/21/84	16	2.596	2.378	3.	0.699	0.363	0.602	1.399	1.976	2.775	3.
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			238.665								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/21/84	45	250.	703.667	6600.	5.	1505291.364	1226.903	20.	95.	625.	1980.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/23/77-08/21/84	45	2.398	2.386	3.82	0.699	0.469	0.685	1.301	1.977	2.796	3.296
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			243.197								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0279

NPS Station ID: SACN0279
LAT/LON: 45.125253/ -92.672059
Agency: 21WIS
Date Created: 02/09/77
Location: APPLE R W/BANK 10FT UPST FOOTBDG
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563033
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005008
RF1 Mile Point: 5.260
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07040001068900.00
RF3 Mile Point: 0.01
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0279

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/23/77-08/06/80	57	180.	1990.965	80000.	5.	112502740.57	10606.731	9.	60.	475.	1360.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/23/77-08/06/80	57	2.255	2.213	4.903	0.699	0.731	0.855	0.94	1.778	2.677	3.109
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			163.34								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0279

				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	57	26	0.46	14	5	0.36							43	21	0.49

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0280

NPS Station ID: SACN0280
LAT/LON: 45.648615/ -92.672226
Agency: 21WIS
Date Created: 08/28/82
Location: TRADE RIV 100 YDS ABV STH 87
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 073035 /8270AC073035/3719W363035
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 8
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005020
RF1 Mile Point: 4.170
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005002010.57
RF3 Mile Point: 12.21
Distance from RF3: 0.01
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 TRADE RIVER @ TWN RD X-ING IN COMM OF TRADE RIVER. BIOTIC INDEX SURVE
Y (NON-POINT) SAMPLING SITE 1980. APPROX 5 MI DOWNSTREAM FROM TRADE LAKE.

Parameter Inventory for Station: SACN0280

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0281

NPS Station ID: SACN0281 LAT/LON: 45.126281/ -92.673504 Agency: 21WIS Date Created: 08/10/85
Location: APPLE R @ SOMERSET VILLAGE PARK FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 563053 /6270AC563053
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 1 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 0 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005008 RF1 Mile Point: 5.110 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005000803.68 RF3 Mile Point: 5.59 Distance from RF3: 0.01 On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)836-4267

Parameter Inventory for Station: SACN0281

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	19	20.	20.316	35.	4.	56.228	7.499	10.	16.	28.	29.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-08/12/85	18	80.	240.	1800.	20.	222776.471	471.992	29.	55.	142.5	1260.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	07/24/85-08/12/85	18	1.903	1.989	3.255	1.301	0.251	0.501	1.46	1.734	2.149	3.097
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			97.53								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	18	65.	201.111	2400.	20.	303328.105	550.752	20.	37.5	120.	384.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	07/24/85-08/12/85	18	1.812	1.852	3.38	1.301	0.229	0.479	1.301	1.571	2.075	2.322
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			71.175								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	18	15.	78.611	800.	5.	34855.31	186.696	5.	5.	70.	251.
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	18	1.151	1.303	2.903	0.699	0.447	0.669	0.699	0.699	1.834	2.341
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			20.093								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/12/85	18	125.	276.389	1200.	5.	127052.369	356.444	18.5	60.	350.	1110.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/12/85	18	2.094	2.09	3.079	0.699	0.397	0.63	1.241	1.753	2.537	3.045
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			122.898								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0281

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	18	2	0.11										18	2	0.11

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0282

NPS Station ID: SACN0282
LAT/LON: 45.345837/ -92.675004
Agency: 21WIS
Date Created: 01/09/76
Location: WDNR FISH HATCHERY OSCEOLA
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 493001 /6270MA493001/0004197001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030005018
RF1 Mile Point: 16.190
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030005001503.78
RF3 Mile Point: 3.77
Distance from RF3: 0.23
On/Off RF3:
Description:
WISCONSIN DEPT OF NATURAL RESOURCES FISH HATCHERY OSCEOLA DISCHARGE TO ST CROIX RIVER

Parameter Inventory for Station: SACN0282

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/25/82-03/25/82	3	9.	8.733	9.	8.2	0.213	0.462	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/25/82-03/25/82	3	6.3	6.333	6.4	6.3	0.003	0.058	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/09/85-12/09/85	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00312	BOD, 6 DAY, 20 DEG C MG/L	05/02/86-05/02/86	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/25/82-03/25/82	3	7.1	7.2	7.4	7.1	0.03	0.173	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/25/82-03/25/82	3	7.1	7.179	7.4	7.1	0.031	0.175	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/25/82-03/25/82	3	0.079	0.066	0.079	0.04	0.001	0.023	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/09/85-05/02/86	2	7.65	7.65	7.8	7.5	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/09/85-05/02/86	2	7.625	7.625	7.8	7.5	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/09/85-05/02/86	2	0.024	0.024	0.032	0.016	0.	0.011	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/25/82-03/25/82	3	168.	168.	180.	156.	144.	12.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/25/82-03/25/82	3	246.	247.333	266.	230.	325.333	18.037	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/84-11/17/87	40	2.	2.35	11.	1.	3.259	1.805	1.	1.	2.75	4.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	12/09/85-12/09/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/25/82-05/02/86	5 ##	0.05	0.054	0.1	0.01	0.002	0.045	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/25/82-12/09/85	4 ##	0.15	0.15	0.2	0.1	0.003	0.058	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/25/82-05/02/86	5	2.6	2.52	3.1	1.9	0.202	0.449	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/25/82-12/09/85	4	0.04	0.048	0.08	0.03	0.	0.022	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/25/82-03/25/82	3	0.029	0.029	0.03	0.027	0.	0.002	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/25/82-03/25/82	3	196.	196.	212.	180.	256.	16.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/09/85-12/09/85	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/09/85-12/09/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0282

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00							3	0	0.00			
00400	PH	Other-Hi Lim.	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00							3	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00				1	0	0.00				1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00				1	0	0.00				1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0282

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	5	0	0.00				1	0	0.00	3	0	0.00	1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0283

NPS Station ID: SACN0283 | LAT/LON: 45.133531/ -92.680948 | Agency: 21WIS | Date Created: 08/10/85
Location: APPLE R @ CABLE CROSSING (9) | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 563054 /6270AC563054
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 1 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 0 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005008 | RF1 Mile Point: 4.440 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 07030005000803.68 | RF3 Mile Point: 6.30 | Distance from RF3: 0.04 | On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)836-4267 APPLE RIVER NEAR SOMERSET AT CABLE CROSSING ABOVE THE SOMERSET POTA OUTFALL

Parameter Inventory for Station: SACN0283

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-08/12/85	19	18.	18.263	31.	4.	39.316	6.27	8.	15.	22.	26.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/24/85-08/20/85	21	110.	222.143	2000.	5.	186016.429	431.296	24.	70.	155.	610.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	07/24/85-08/20/85	21	2.041	2.018	3.301	0.699	0.263	0.513	1.361	1.845	2.19	2.756
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			104.127								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/24/85-08/12/85	20	80.	508.5	6000.	10.	1963045.	1401.087	40.	60.	145.	2278.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	07/24/85-08/12/85	20	1.903	2.05	3.778	1.	0.366	0.605	1.602	1.778	2.161	3.303
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			112.076								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	20	20.	62.5	620.	5.	18475.	135.923	5.	5.	67.5	109.
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	07/24/85-08/12/85	20	1.239	1.328	2.792	0.699	0.364	0.603	0.699	0.699	1.828	2.037
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			21.28								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	21	110.	222.524	1600.	10.	115214.762	339.433	24.	55.	220.	472.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/85-08/20/85	21	2.041	2.077	3.204	1.	0.243	0.493	1.361	1.739	2.342	2.67
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			119.336								
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	08/20/85-08/20/85	1	28.	28.	28.	28.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0283

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	21	3	0.14	1	0	0.00							20	3	0.15

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0284

NPS Station ID: SACN0284
LAT/LON: 45.772504/ -92.681004
Agency: 21WIS
Date Created: 11/17/75
Location: WOOD RIVER DAM AT GRANTSBURG
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 073019 /8270AB073019/3819W
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX RIVER
ECO Region:
RF1 Index: 07030005027
RF1 Mile Point: 5.860
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030001000510.74
RF3 Mile Point: 17.30
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0284

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0285

NPS Station ID: SACN0285
LAT/LON: 45.021059/ -92.681671
Agency: 21WIS
Date Created: 04/23/88
Location: WILLOW RIVER BELW MILL POND DAM
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM/SOLIDS
STORET Station ID(s): 563059 /6270LA563059
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 1
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 3.20
On/Off RF1:
RF3 Index: 07030005004900.00
RF3 Mile Point: 1.07
Distance from RF3: 0.39
On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)839-3724 WILLOW RIVER SEDIMENT ABOUT 2000' BELOW MILL POND DAM

Parameter Inventory for Station: SACN0285

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	02/02/88-02/02/88	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/02/88-02/02/88	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	02/02/88-02/02/88	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	02/02/88-02/02/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	02/02/88-02/02/88	1	18.	18.	18.	18.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	02/02/88-02/02/88	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82294	NITROGEN, AMMONIA, SLUDGE, TOT,DRY WT, AS N, MG/KG	02/02/88-02/02/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0286

NPS Station ID: SACN0286 | LAT/LON: 45.621503/ -92.682338 | Agency: 21WIL | Date Created: 08/29/92
Location: ORR LAKE | FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 494015 /6270AG494015/3619W114015
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 12 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.50 | On/Off RF1:
RF3 Index: 07030005001709.75 | RF3 Mile Point: 11.99 | Distance from RF3: 0.19 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0286

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/07/79-08/07/79	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/07/79-08/07/79	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/07/79-08/07/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/07/79-08/07/79	1	288.	288.	288.	288.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/07/79-08/07/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/07/79-08/07/79	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/07/79-08/07/79	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/07/79-08/07/79	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/07/79-08/07/79	1	133.	133.	133.	133.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/07/79-08/07/79	1	2.84	2.84	2.84	2.84	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/07/79-08/07/79	1	1.41	1.41	1.41	1.41	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/07/79-08/07/79	1	1.32	1.32	1.32	1.32	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/07/79-08/07/79	1	0.081	0.081	0.081	0.081	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/07/79-08/07/79	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/07/79-08/07/79	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/07/79-08/07/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/07/79-08/07/79	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/07/79-08/07/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/07/79-08/07/79	1	350.	350.	350.	350.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/07/79-08/07/79	1	63.18	63.18	63.18	63.18	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/07/79-08/07/79	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0286

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0286

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0287

NPS Station ID: SACN0287
LAT/LON: 45.021059/ -92.689754
Agency: 21WIS
Date Created: 06/18/88
Location: LITTLE FALLS LAKE ON WILLOW R
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE/SOLIDS
STORET Station ID(s): 563062 /6270LA563062
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 6
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 1.60
On/Off RF1:
RF3 Index: 07030005000407.71
RF3 Mile Point: 7.71
Distance from RF3: 0.01
On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WEST CENTRAL DIST (715)839-3724 LITTLE FALLS LAKE SEDIMENT NEAR N. SHORE IN OLD CHANNEL OF THE WILLOW RIVER.

Parameter Inventory for Station: SACN0287

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0288

NPS Station ID: SACN0288 LAT/LON: 45.350281/ -92.692226 Agency: 112WRD Date Created: 12/02/81
Location: CLOSE SLU (ST. CROIX RIVER) NEAR OSCEOLA, WI FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05340530
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07040001068200.00 RF3 Mile Point: 1.53 Distance from RF3: 0.14 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0288

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0289

NPS Station ID: SACN0289 LAT/LON: 45.350281/ -92.692226 Agency: 112WRD Date Created: 04/24/82
Location: CLOSE SLU (ST. CROIX RIVER) NEAR OSCEOLA, WI FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05340553
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030005018 RF1 Mile Point: 16.660 Distance from RF1: 3.30 On/Off RF1: OFF
RF3 Index: 07030005001812.21 RF3 Mile Point: 12.21 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0289

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/81-07/21/83	3	17.	16.833	17.	16.5	0.083	0.289	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/21/83-07/21/83	1	23.5	23.5	23.5	23.5	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/21/83-07/21/83	1	740.	740.	740.	740.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	08/17/82-08/17/82	1	1900.	1900.	1900.	1900.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/20/81-08/20/81	1	3200.	3200.	3200.	3200.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/81-07/21/83	3	390.	377.667	405.	338.	1236.333	35.162	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/20/81-07/21/83	3	10.4	10.9	12.2	10.1	1.29	1.136	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/20/81-08/17/82	2	118.5	118.5	130.	107.	264.5	16.263	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/81-07/21/83	2	7.875	7.875	8.1	7.65	0.101	0.318	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/81-07/21/83	2	7.819	7.819	8.1	7.65	0.107	0.328	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/81-07/21/83	2	0.015	0.015	0.022	0.008	0.	0.01	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/20/81-08/17/82	2	2.2	2.2	2.3	2.1	0.02	0.141	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/20/81-08/17/82	2	0.555	0.555	0.69	0.42	0.036	0.191	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/81-07/21/83	3	0.07	0.053	0.08	0.01	0.001	0.038	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/81-07/21/83	3	0.03	0.033	0.05	0.02	0.	0.015	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/81-08/17/82	2	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/81-07/21/83	3	0.5	0.533	0.7	0.4	0.023	0.153	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/81-07/21/83	3	1.6	1.767	2.1	1.6	0.083	0.289	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/81-07/21/83	3	0.08	0.073	0.11	0.03	0.002	0.04	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/81-07/21/83	3	4.	4.4	6.	3.2	2.08	1.442	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/21/83	3	100.	132.	260.	36.	13312.	115.378	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/21/83	3	2.	1.99	2.415	1.556	0.184	0.429	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			97.819								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/21/83	3	490.	516.667	590.	470.	4133.333	64.291	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/21/83	3	2.69	2.711	2.771	2.672	0.003	0.053	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			514.101								
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/20/81-07/21/83	3	0.25	0.227	0.34	0.09	0.016	0.127	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/20/81-08/17/82	2	9.65	9.65	10.	9.3	0.245	0.495	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0289

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	2	0	0.00							1	0	0.00
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00							1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00							1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00							1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	1	0.33	2	1	0.50							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0290

NPS Station ID: SACN0290 LAT/LON: 45.054670/ -92.694171 Agency: 21WIS Date Created: 04/03/93
Location: PERCH LAKE AT DEEPEST POINT FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 563081 /6270AG563081/3019W283081
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1:
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
STATION FOR BUZZ SORGE OF WESTERN EAU CLAIRE (715)839-3794 T30R19W28SWSW

Parameter Inventory for Station: SACN0290

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/08/93-04/17/95	16	6.55	10.244	25.	0.5	60.351	7.769	2.67	4.125	15.85	24.16
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/03/93-04/17/95	4	0.55	0.6	0.8	0.5	0.02	0.141	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/03/93-11/18/93	6	4.65	4.375	5.25	3.	0.612	0.782	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/03/93-04/17/95	4	10.	8.75	10.	5.	6.25	2.5	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/03/93-04/17/95	4	134.	133.5	135.	131.	3.	1.732	**	**	**	**
00134	STORM EVENT SERIAL NUMBER MAXIMUM OF 6 SIG.FIG.	04/17/95-04/17/95	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	03/14/95-04/17/95	3	9.	9.667	11.	9.	1.333	1.155	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/08/93-04/17/95	16	8.7	7.291	15.4	0.	28.477	5.336	0.	0.575	10.275	14.42
00400	PH (STANDARD UNITS)	03/08/93-04/17/95	15	7.86	7.941	9.1	6.99	0.643	0.802	7.026	7.2	8.85	9.07
00400	CONVERTED PH (STANDARD UNITS)	03/08/93-04/17/95	15	7.86	7.472	9.1	6.99	0.879	0.938	7.026	7.2	8.85	9.07
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/08/93-04/17/95	15	0.014	0.034	0.102	0.001	0.001	0.037	0.001	0.001	0.063	0.094
00403	PH, LAB, STANDARD UNITS SU	05/03/93-04/17/95	4	7.95	7.925	8.	7.8	0.009	0.096	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/03/93-04/17/95	4	7.947	7.917	8.	7.8	0.009	0.096	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/93-04/17/95	4	0.011	0.012	0.016	0.01	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/03/93-04/17/95	4	65.	65.	66.	64.	0.667	0.816	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/03/93-11/18/93	2	86.	86.	86.	86.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/03/93-04/17/95	4	28.	28.	32.	24.	13.333	3.651	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/03/93-04/17/95	4 ##	1.5	1.625	2.5	1.	0.563	0.75	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/08/93-04/17/95	14	0.015	0.381	1.6	0.003	0.319	0.565	0.004	0.006	0.855	1.485
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/08/93-04/17/95	14	0.4	0.836	2.3	0.3	0.47	0.686	0.3	0.4	1.425	2.15
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/08/93-04/17/95	15	0.01	0.029	0.1	0.004	0.001	0.036	0.004	0.004	0.05	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/08/93-03/14/95	14	0.011	0.043	0.181	0.005	0.003	0.058	0.006	0.008	0.076	0.165
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/03/93-11/18/93	3	65.	64.	65.	62.	3.	1.732	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/03/93-11/18/93	3	17.	16.667	17.	16.	0.333	0.577	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/03/93-11/18/93	3	5.	5.333	6.	5.	0.333	0.577	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/03/93-11/18/93	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/03/93-11/18/93	3	2.47	2.497	2.63	2.39	0.015	0.122	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/03/93-11/18/93	3	4.	3.333	4.	2.	1.333	1.155	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/03/93-11/18/93	2 ##	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/93-11/18/93	3 ##	0.1	0.167	0.3	0.1	0.013	0.115	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/03/93-11/18/93	2 ##	54.	54.	88.	20.	2312.	48.083	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/14/93-11/18/93	4	2.6	2.958	4.79	1.84	1.762	1.327	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/19/93	3	2.28	2.953	4.8	1.78	2.62	1.619	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/19/93	3	0.09	0.13	0.27	0.03	0.016	0.125	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/03/93-11/18/93	2 ##	0.103	0.103	0.18	0.025	0.012	0.11	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0290

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	4	0	0.00	2	0	0.00							2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	16	5	0.31	5	1	0.20				3	2	0.67	8	2	0.25
00400	PH	Other-Hi Lim.	9.	15	2	0.13	5	1	0.20				3	0	0.00	7	1	0.14
		Other-Lo Lim.	6.5	15	0	0.00	5	0	0.00				3	0	0.00	7	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	4	0	0.00	2	0	0.00							2	0	0.00
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00							2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	15	0	0.00	4	0	0.00				3	0	0.00	8	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	2	0	0.00							1	0	0.00
		Drinking Water	250.	3	0	0.00	2	0	0.00							1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0291

NPS Station ID: SACN0291
LAT/LON: 45.017587/ -92.694448
Agency: 21WITIS
Date Created: 02/11/89
Location: WILLOW R 10 LITTLE FALLS FLOW
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 565010 /6270MA565010
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 2.10
On/Off RF1:
RF3 Index: 07030005223300.00
RF3 Mile Point: 1.65
Distance from RF3: 0.13
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING

Parameter Inventory for Station: SACN0291

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0292

NPS Station ID: SACN0292
LAT/LON: 45.015837/ -92.695503
Agency: 21WIS
Date Created: 04/03/93
Location: LITTLE FALLS LAKE MIDDLE OF L
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 563079 /6270AG563079/2919S093079
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR KEN SCHREIBER OF WESTERN EAU CLAIRE (715)839-3798

Parameter Inventory for Station: SACN0292

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/23/93-10/05/93	22	18.8	17.455	25.5	0.	39.329	6.271	4.35	17.05	21.05	23.38
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/93-10/05/93	2	3.8	3.8	4.8	2.8	2.	1.414	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/05/93-10/05/93	6	1.	1.033	1.3	0.7	0.043	0.207	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/05/93-10/05/93	2	20.	20.	20.	20.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/05/93-10/05/93	1	318.	318.	318.	318.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/05/93-10/05/93	2	345.	345.	352.	338.	98.	9.899	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/23/93-10/05/93	22	9.2	10.218	20.	1.8	28.527	5.341	2.98	5.675	15.05	18.87
00400	PH (STANDARD UNITS)	02/23/93-10/05/93	21	8.56	8.421	9.35	6.75	0.636	0.798	7.02	7.925	9.08	9.298
00400	CONVERTED PH (STANDARD UNITS)	02/23/93-10/05/93	21	8.56	7.674	9.35	6.75	1.224	1.106	7.02	7.925	9.08	9.298
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/93-10/05/93	21	0.003	0.021	0.178	0.	0.002	0.045	0.001	0.001	0.012	0.1
00403	PH, LAB, STANDARD UNITS SU	05/05/93-10/05/93	2	8.55	8.55	8.7	8.4	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/05/93-10/05/93	2	8.525	8.525	8.7	8.4	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/05/93-10/05/93	2	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/05/93-10/05/93	2	155.	155.	156.	154.	2.	1.414	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/05/93-10/05/93	2	236.	236.	250.	222.	392.	19.799	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/05/93-10/05/93	2	79.	79.	86.	72.	98.	9.899	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/05/93-10/05/93	2	18.	18.	26.	10.	128.	11.314	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/23/93-10/05/93	24	0.02	0.044	0.159	0.003	0.002	0.048	0.008	0.009	0.066	0.139
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/23/93-10/05/93	10	0.65	0.64	1.1	0.3	0.054	0.232	0.3	0.525	0.725	1.07
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/23/93-10/05/93	10	1.95	2.16	3.9	1.4	0.878	0.937	1.4	1.4	2.725	3.88
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/93-10/05/93	10	0.067	0.071	0.088	0.051	0.	0.015	0.052	0.059	0.087	0.088
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/05/93-10/05/93	2	185.	185.	190.	180.	50.	7.071	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/05/93-10/05/93	2	41.5	41.5	42.	41.	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/05/93-10/05/93	2	21.	21.	22.	20.	2.	1.414	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/05/93-10/05/93	2	5.	5.	5.	5.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/05/93-10/05/93	2	1.88	1.88	1.88	1.88	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/93-10/05/93	2	13.	13.	13.	13.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/05/93-10/05/93	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/05/93-10/05/93	2	10.95	10.95	12.	9.9	2.205	1.485	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/93-10/05/93	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	02/23/93-10/05/93	6	43.7	56.14	179.	1.24	3974.54	63.044	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/15/93-07/20/93	2	38.65	38.65	46.7	30.6	129.605	11.384	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/15/93-07/20/93	2	10.69	10.69	15.8	5.58	52.224	7.227	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/05/93-10/05/93	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0292

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00							1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	22	2	0.09	13	0	0.00	2	0	0.00				7	2	0.29
00400	PH	Other-Hi Lim.	9.	21	6	0.29	13	4	0.31	1	0	0.00				7	2	0.29
		Other-Lo Lim.	6.5	21	0	0.00	13	0	0.00	1	0	0.00				7	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00							1	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	10	0	0.00	3	0	0.00	2	0	0.00				5	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	250.	2	0	0.00	1	0	0.00							1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0293

NPS Station ID: SACN0293
LAT/LON: 45.361115/ -92.701115
Agency: 112WRD
Date Created: 04/24/82
Location: ST. CROIX RIVER AT FRANCONIA, MN
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05340552
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005018
RF1 Mile Point: 17.400
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005008300.00
RF3 Mile Point: 0.50
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0293

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/81-07/21/83	3	24.	23.833	25.5	22.	3.083	1.756	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/21/83-07/21/83	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	08/17/82-08/17/82	1	1900.	1900.	1900.	1900.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/20/81-08/20/81	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/81-07/21/83	3	167.	167.	174.	160.	49.	7.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/20/81-07/21/83	3	8.2	8.067	8.9	7.1	0.823	0.907	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/20/81-08/17/82	2	103.	103.	109.	97.	72.	8.485	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/81-07/21/83	2	7.58	7.58	7.6	7.56	0.001	0.028	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/81-07/21/83	2	7.58	7.58	7.6	7.56	0.001	0.028	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/81-07/21/83	2	0.026	0.026	0.028	0.025	0.	0.002	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/20/81-08/20/81	1	0.83	0.83	0.83	0.83	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/20/81-08/20/81	1	0.58	0.58	0.58	0.58	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/81-07/21/83	3	0.04	0.045	0.09	0.005	0.002	0.043	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/81-07/21/83	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/81-07/21/83	3	0.7	0.723	0.8	0.67	0.005	0.068	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/81-07/21/83	3	0.16	0.17	0.3	0.05	0.016	0.125	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/81-07/21/83	3	0.04	0.047	0.07	0.03	0.	0.021	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/81-07/21/83	3	7.1	8.167	11.	6.4	6.143	2.479	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/21/83	3	42.	78.	170.	22.	6448.	80.299	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/21/83	3	1.623	1.732	2.23	1.342	0.206	0.454	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			53.956								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/21/83	3	320.	225.333	330.	26.	29825.333	172.7	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/21/83	3	2.505	2.146	2.519	1.415	0.401	0.633	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			140.027								
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/20/81-07/21/83	3	0.12	0.14	0.21	0.09	0.004	0.062	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/20/81-08/20/81	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0293

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	2	0	0.00							1	0	0.00
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0293

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00							1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00							1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	0	0.00	2	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0294

NPS Station ID: SACN0294
LAT/LON: 45.361115/ -92.701115
Agency: 112WRD
Date Created: 12/02/81
Location: ST. CROIX RIVER AT FRANCONIA, MN
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05340520
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 3.40
On/Off RF1:
RF3 Index: 07030005001817.40
RF3 Mile Point: 18.50
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0294

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0295

NPS Station ID: SACN0295 | LAT/LON: 45.159170/ -92.702504 | Agency: 21WIL | Date Created: 08/29/92
Location: APPLE FALLS FLOWAGE | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 564004 /6270AG564004/3119W224004
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 40 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 1.20 | On/Off RF1:
RF3 Index: 07030005000300.00 | RF3 Mile Point: 1.35 | Distance from RF3: 0.54 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0295

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/28/79-08/28/79	2	65.	65.	65.	65.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/28/79-08/28/79	2	100.	100.	100.	100.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/79-08/28/79	2	3.65	3.65	5.1	2.2	4.205	2.051	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/28/79-08/28/79	2	54.	54.	54.	54.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/79-08/28/79	2	256.5	256.5	257.	256.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/28/79-08/28/79	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/28/79-08/28/79	2	7.85	7.85	8.	7.7	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/28/79-08/28/79	2	7.825	7.825	8.	7.7	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/79-08/28/79	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/79-08/28/79	2	87.	87.	92.	82.	50.	7.071	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/28/79-08/28/79	2	1.165	1.165	1.19	1.14	0.001	0.035	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/79-08/28/79	2	0.4	0.4	0.49	0.31	0.016	0.127	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	2	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	2 ##	0.005	0.005	0.009	0.002	0.	0.005	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	2	0.675	0.675	0.79	0.56	0.026	0.163	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/79-08/28/79	2	0.103	0.103	0.145	0.06	0.004	0.06	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/79-08/28/79	2	0.028	0.028	0.032	0.024	0.	0.006	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/79-08/28/79	2	26.	26.	29.	23.	18.	4.243	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/79-08/28/79	2	13.	13.	13.	13.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/28/79-08/28/79	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/28/79-08/28/79	2 ##	0.925	0.925	1.6	0.25	0.911	0.955	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/79-08/28/79	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/79-08/28/79	2	180.	180.	270.	90.	16200.	127.279	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/28/79-08/28/79	2	16.26	16.26	16.26	16.26	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/28/79-08/28/79	2	0.44	0.44	0.7	0.18	0.135	0.368	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0295

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0295

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0296

NPS Station ID: SACN0296 LAT/LON: 45.190003/ -92.707505 Agency: 21WIS Date Created: 04/03/93
Location: PINE LAKE MIDDLE OF LAKE FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 563085 /6270AG563085/3119W103085
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1:
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
STATION FOR BUZZ SORGE OF WESTERN EAU CLAIRE (715)839-3794

Parameter Inventory for Station: SACN0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/04/93-10/05/93	12	17.5	16.025	25.2	1.	59.613	7.721	1.66	11.9	22.35	24.69
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/03/93-10/05/93	2	1.95	1.95	2.8	1.1	1.445	1.202	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/03/93-10/05/93	5	2.2	2.08	2.4	1.2	0.252	0.502	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/03/93-10/05/93	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/05/93-10/05/93	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/03/93-10/05/93	2	75.5	75.5	77.	74.	4.5	2.121	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/04/93-10/05/93	12	5.2	5.558	11.5	0.	17.221	4.15	0.09	2.1	9.3	11.11
00400	PH (STANDARD UNITS)	03/04/93-10/05/93	12	8.31	8.219	9.4	6.93	0.892	0.945	6.933	7.15	9.205	9.394
00400	CONVERTED PH (STANDARD UNITS)	03/04/93-10/05/93	12	8.296	7.499	9.4	6.93	1.458	1.208	6.933	7.15	9.205	9.394
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/04/93-10/05/93	12	0.005	0.032	0.117	0.	0.002	0.047	0.	0.001	0.076	0.117
00403	PH, LAB, STANDARD UNITS SU	05/03/93-10/05/93	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/03/93-10/05/93	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/93-10/05/93	2	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/03/93-10/05/93	2	28.5	28.5	29.	28.	0.5	0.707	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/03/93-10/05/93	2	58.	58.	58.	58.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/03/93-10/05/93	2	32.	32.	34.	30.	8.	2.828	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/03/93-10/05/93	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/04/93-10/05/93	12	0.019	0.278	2.43	0.006	0.469	0.685	0.006	0.01	0.198	1.789
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/04/93-10/05/93	12	0.9	1.1	3.6	0.6	0.647	0.805	0.6	0.8	1.075	2.85
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/04/93-10/05/93	12	0.02	0.094	0.4	0.004	0.023	0.153	0.004	0.004	0.16	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/04/93-10/05/93	12	0.028	0.057	0.37	0.021	0.01	0.099	0.022	0.025	0.031	0.272
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/03/93-10/05/93	2	31.5	31.5	32.	31.	0.5	0.707	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/03/93-10/05/93	2	7.3	7.3	7.4	7.2	0.02	0.141	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/03/93-10/05/93	2	3.	3.	3.	3.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/03/93-10/05/93	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/03/93-10/05/93	2	2.3	2.3	2.36	2.24	0.007	0.085	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/03/93-10/05/93	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/03/93-10/05/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/93-10/05/93	2 ##	0.45	0.45	0.8	0.1	0.245	0.495	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/93-10/05/93	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	03/04/93-10/05/93	6	11.1	14.295	29.2	5.15	77.046	8.778	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/07/93	2	9.855	9.855	10.97	8.74	2.486	1.577	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/14/93-07/07/93	2	0.99	0.99	1.2	0.78	0.088	0.297	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/05/93-10/05/93	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0296

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00							1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	12	5	0.42	4	2	0.50				2	1	0.50	6	2	0.33
00400	PH	Other-Hi Lim.	9.	12	3	0.25	4	1	0.25				2	0	0.00	6	2	0.33
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00				2	0	0.00	6	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00							1	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	12	0	0.00	4	0	0.00				2	0	0.00	6	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	250.	2	0	0.00	1	0	0.00							1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0297

NPS Station ID: SACN0297
LAT/LON: 45.321670/ -92.708892
Agency: 1115T030
Date Created: / /
Location: SC 44.8
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 260109
RMI-Indexes: 1021500 015940
Within Park Boundary: Yes
RMI-Miles: 1765.10 0044.80
HUC: 07030005
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005018
RF1 Mile Point: 14.410
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206042100.00
RF3 Mile Point: 1.27
Distance from RF3: 0.25
On/Off RF3:
Description:
ST. CROIX RIVER, TRIBUTARY TO UPPER MISSISSIPPI RIVER. SAMPLED AT BRIDGE AT OSCEOLA, WISCONSIN.
PURPOSE-SAMPLED IN SUPPORT OF TWIN CITY UPPER MISSISSIPPI ENFORCEMENT AND RIVER MODELING VERIFICATION
TYPE OF SAMPLING-GRAB

Parameter Inventory for Station: SACN0297

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/64-09/21/64	20	21.8	22.335	29.1	15.8	12.35	3.514	18.81	19.475	26.	26.45
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/21/64-09/21/64	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/08/64-09/21/64	16	7.5	7.156	8.5	5.5	1.104	1.051	5.57	6.5	8.075	8.5
00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/64-09/21/64	6	3.3	3.383	5.4	2.2	1.226	1.107	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/28/64-09/21/64	7	1720.	1725.714	2210.	920.	292828.571	541.136	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/28/64-09/21/64	7	3.236	3.215	3.344	2.964	0.024	0.156	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1640.832								
31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	07/28/64-09/09/64	7	240.	554.857	1350.	10.	388671.81	623.435	**	**	**	**
31617	LOG FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 316	07/28/64-09/09/64	7	2.38	2.16	3.13	1.	0.93	0.965	**	**	**	**
31617	GM FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 3161	GEOMETRIC MEAN =			144.61								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/28/64-07/28/64	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0297

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	16	0	0.00	8	0	0.00							8	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	7	6	0.86	2	2	1.00							5	4	0.80
31617	FECAL COLIFORM, MPN, EIJKMAN TEST, 44.5C	Other-Hi Lim.	200.	7	4	0.57	1	1	1.00							6	3	0.50

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0298

NPS Station ID: SACN0298
LAT/LON: 45.014838/ -92.709504
Agency: 21WIS
Date Created: 07/17/93
Location: WILLOW R SLAUGHTERHOUSE HOLE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563091 /6270AA563091/2919W083091
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR KEN SCHREIBER OF WESTERN DISTRICT (715)839-3798 T29N R19W S08 NESW

Parameter Inventory for Station: SACN0298

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-09/02/93	5	19.5	19.38	20.	18.4	0.472	0.687	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/93-09/02/93	4	8.75	8.65	9.5	7.6	0.63	0.794	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/93-09/02/93	5	8.4	8.26	8.65	7.5	0.197	0.444	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/93-09/02/93	5	8.4	8.032	8.65	7.5	0.261	0.511	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-09/02/93	5	0.004	0.009	0.032	0.002	0.	0.013	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/93-09/02/93	5	0.053	0.065	0.132	0.026	0.002	0.04	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0298

Parameter				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	4	0	0.00	1	0	0.00							3	0	0.00
00400	PH	Other-Hi Lim.	9.	5	0	0.00	2	0	0.00							3	0	0.00
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00							3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0299

NPS Station ID: SACN0299 | LAT/LON: 45.322781/ -92.711670 | Agency: 21MINN | Date Created: / /
Location: ST CROIX R. SH-243 AT OSCEOLA,WI | FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/NET | STORET Station ID(s): SCSC-45CBB15E57/@SSGWH-0057 /SC-45
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: MAJ BASIN: UPPER MISS | Elevation: 0 | Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX | ECO Region:
RF1 Index: 07030005018 | RF1 Mile Point: 14.410 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 07030005001814.43 | RF3 Mile Point: 14.44 | Distance from RF3: 0.02 | On/Off RF3:
Description:
ST. CROIX RIVER, BRIDGE ON SH-243 AT OSCEOLA, WISCONSIN; ST. CROIX RIVER BASIN CHISAGO COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1957-65

Parameter Inventory for Station: SACN0299

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/11/57-10/18/65	40	60.	56.6	79.	32.	222.349	14.911	32.1	42.25	68.75	74.9
00060	FLOW, STREAM, MEAN DAILY CFS	06/11/57-10/19/61	21	2900.	3907.619	11900.	1260.	9496539.048	3081.646	1580.	1970.	3790.	10986.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/17/58-10/18/65	36	10.	9.792	25.	2.	15.877	3.985	4.55	8.	11.	13.6
00300	OXYGEN, DISSOLVED MG/L	06/11/57-10/18/65	40	7.85	8.305	12.9	5.1	3.629	1.905	6.11	7.1	9.575	11.39
00310	BOD, 5 DAY, 20 DEG C MG/L	06/11/57-10/18/65	40	2.5	2.898	7.5	1.	2.12	1.456	1.32	1.8	3.725	4.98
00400	PH (STANDARD UNITS)	06/11/57-10/18/65	40	7.7	7.717	8.7	6.8	0.192	0.438	7.21	7.325	8.	8.38
00400	CONVERTED PH (STANDARD UNITS)	06/11/57-10/18/65	40	7.7	7.527	8.7	6.8	0.229	0.479	7.21	7.325	8.	8.38
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/57-10/18/65	40	0.02	0.03	0.158	0.002	0.001	0.03	0.004	0.01	0.048	0.062
00500	RESIDUE, TOTAL (MG/L)	06/11/57-12/16/59	12	140.	122.5	270.	10.	8033.	89.627	10.6	13.5	195.	249.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/60-10/18/65	26	9.5	10.577	19.	3.	21.454	4.632	4.7	6.75	14.25	18.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/22/60-10/18/65	25	4.	4.416	16.	0.4	8.276	2.877	2.	3.	5.	7.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/27/60-10/18/65	24 ##	0.1	0.667	13.	0.1	6.916	2.63	0.1	0.1	0.1	0.45
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/23/58-12/16/59	7	0.48	0.433	0.7	0.05	0.065	0.255	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-12/16/59	8	0.93	0.925	1.4	0.4	0.09	0.301	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-10/18/65	24	0.115	0.121	0.29	0.03	0.003	0.057	0.056	0.083	0.155	0.195
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/60-10/18/65	25	3.	2.98	10.	0.8	4.087	2.022	0.86	1.	4.	5.
01503	ALPHA, DISSOLVED	04/09/59-04/09/59	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
03503	BETA, DISSOLVED	07/01/57-04/09/59	4	43.5	57.25	140.	2.	3446.25	58.705	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/11/57-10/18/65	38	1100.	1868.158	24000.	100.	14426404.623	3798.211	200.	500.	2200.	3300.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/11/57-10/18/65	38	3.041	3.004	4.38	2.	0.197	0.444	2.301	2.699	3.342	3.519
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1009.023								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/18/65	12	200.	208.333	500.	100.	20833.333	144.338	100.	100.	200.	500.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/18/65	12	2.301	2.242	2.699	2.	0.066	0.257	2.	2.	2.301	2.699
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			174.552								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/06/62-10/18/65	16 ##	0.05	0.065	0.14	0.05	0.001	0.033	0.05	0.05	0.05	0.14

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0299

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	40	0	0.00	14	0	0.00	5	0	0.00	3	0	0.00	18	0	0.00
00400	PH	Other-Hi Lim.	9.	40	0	0.00	14	0	0.00	5	0	0.00	3	0	0.00	18	0	0.00
		Other-Lo Lim.	6.5	40	0	0.00	14	0	0.00	5	0	0.00	3	0	0.00	18	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	25	0	0.00	10	0	0.00	2	0	0.00	2	0	0.00	11	0	0.00
		Drinking Water	250.	25	0	0.00	10	0	0.00	2	0	0.00	2	0	0.00	11	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	38	20	0.53	14	7	0.50	4	4	1.00	3	0	0.00	17	9	0.53
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	12	7	0.58	4	2	0.50				1	0	0.00	7	5	0.71

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0299

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/11/57-10/18/65	14	55.	54.571	70.	38.	99.033	9.952	40.	45.25	62.5	69.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/17/58-10/18/65	13	10.	8.731	15.	2.	13.442	3.666	2.6	5.5	11.	13.8
00300	OXYGEN, DISSOLVED MG/L	06/11/57-10/18/65	14	8.25	8.686	12.1	6.2	2.754	1.659	6.6	7.45	9.7	11.75
00310	BOD, 5 DAY, 20 DEG C MG/L	06/11/57-10/18/65	14	2.05	2.35	4.3	1.3	0.887	0.942	1.4	1.5	2.975	4.05
00400	PH (STANDARD UNITS)	06/11/57-10/18/65	14	7.6	7.771	8.7	7.	0.225	0.475	7.15	7.475	8.2	8.55
00400	CONVERTED PH (STANDARD UNITS)	06/11/57-10/18/65	14	7.6	7.571	8.7	7.	0.269	0.518	7.15	7.475	8.2	8.55
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/57-10/18/65	14	0.025	0.027	0.1	0.002	0.001	0.026	0.003	0.006	0.034	0.075
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/11/57-10/18/65	14	1015.	2950.	24000.	200.	37565261.538	6129.051	345.	575.	2325.	13650.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/11/57-10/18/65	14	3.005	3.103	4.38	2.301	0.25	0.5	2.496	2.758	3.366	3.949
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1268.957								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0299

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/11/57-10/18/65	5	32.	33.	36.	32.	3.	1.732	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/17/58-10/18/65	5	9.	7.8	11.	2.	11.7	3.421	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/11/57-10/18/65	5	7.7	8.32	10.	7.1	1.677	1.295	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/11/57-10/18/65	5	2.3	2.48	4.8	1.	1.967	1.402	**	**	**	**
00400	PH (STANDARD UNITS)	06/11/57-10/18/65	5	7.8	7.84	8.6	7.3	0.323	0.568	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/11/57-10/18/65	5	7.8	7.602	8.6	7.3	0.394	0.627	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/57-10/18/65	5	0.016	0.025	0.05	0.003	0.001	0.023	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/11/57-10/18/65	4	1750.	1775.	2300.	1300.	302500.	550.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/11/57-10/18/65	4	3.228	3.233	3.362	3.114	0.019	0.138	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1710.052								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0299

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/11/57-10/18/65	3	42.	40.	46.	32.	52.	7.211	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/17/58-10/18/65	3	11.	15.333	25.	10.	70.333	8.386	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/11/57-10/18/65	3	11.3	11.733	12.9	11.	1.043	1.021	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/11/57-10/18/65	3	2.3	2.367	3.5	1.3	1.213	1.102	**	**	**	**
00400	PH (STANDARD UNITS)	06/11/57-10/18/65	3	7.7	7.633	7.9	7.3	0.093	0.306	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/11/57-10/18/65	3	7.7	7.56	7.9	7.3	0.101	0.318	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/57-10/18/65	3	0.02	0.028	0.05	0.013	0.	0.02	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/11/57-10/18/65	3	200.	333.333	700.	100.	103333.333	321.455	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/11/57-10/18/65	3	2.301	2.382	2.845	2.	0.183	0.428	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			241.014								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0299

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/11/57-10/18/65	18	68.5	67.5	79.	41.	85.912	9.269	54.5	63.25	74.25	78.1
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/17/58-10/18/65	15	10.	10.267	15.	7.	5.495	2.344	7.	8.	12.	13.8
00300	OXYGEN, DISSOLVED MG/L	06/11/57-10/18/65	18	7.4	7.433	11.5	5.1	2.705	1.645	5.19	6.25	8.	10.06
00310	BOD, 5 DAY, 20 DEG C MG/L	06/11/57-10/18/65	18	3.25	3.528	7.5	1.	2.81	1.676	1.45	2.45	4.475	6.06
00400	PH (STANDARD UNITS)	06/11/57-10/18/65	18	7.7	7.656	8.5	6.8	0.17	0.412	7.16	7.3	7.925	8.23

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0299

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	06/11/57-10/18/65	18	7.7	7.474	8.5	6.8	0.205	0.452	7.16	7.3	7.925	8.23
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/57-10/18/65	18	0.02	0.034	0.158	0.003	0.001	0.036	0.006	0.012	0.05	0.073
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/11/57-10/18/65	17	1100.	1270.	3300.	200.	921550.	959.974	200.	500.	1750.	3300.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/11/57-10/18/65	17	3.041	2.978	3.519	2.301	0.131	0.362	2.301	2.699	3.228	3.519
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			950.066								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0300

NPS Station ID: SACN0300
LAT/LON: 45.322781/ -92.711670
Agency: 21MINNQ
Date Created: 09/17/94
Location: ST CROIX R. SH-243 AT OSCEOLA,WI
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): SCSC-45CBB15E57/@SSGWH-0057 /SC-45
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX
ECO Region:
RF1 Index: 07030005018
RF1 Mile Point: 14.410
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST. CROIX RIVER, BRIDGE ON SH-243 AT OSCEOLA, WISCONSIN; ST. CROIX RIVER BASIN CHISAGO COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1957-65

Parameter Inventory for Station: SACN0300

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0301

NPS Station ID: SACN0301 | LAT/LON: 45.014838/ -92.712005 | Agency: 21WIS | Date Created: 07/17/93
Location: WILLOW R 600 YD BLW L FALLS DAM | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 563089 /6270AA563089/2919W083089
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1:
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
STATION FOR KEN SCHREIBER OF WESTERN DISTRICT (715)839-3798 T29N R19W S08 NWSE

Parameter Inventory for Station: SACN0301

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-09/02/93	6	19.75	19.667	21.	18.2	0.863	0.929	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/93-09/02/93	5	8.7	8.62	9.3	7.9	0.252	0.502	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/93-09/02/93	6	8.45	8.325	8.7	7.5	0.205	0.452	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/93-09/02/93	6	8.45	8.081	8.7	7.5	0.276	0.526	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-09/02/93	6	0.004	0.008	0.032	0.002	0.	0.012	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/93-09/02/93	6	0.062	0.069	0.119	0.031	0.001	0.029	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0301

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	2	0	0.00							3	0	0.00
00400	PH	Other-Hi Lim.	9.	6	0	0.00	3	0	0.00							3	0	0.00
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00							3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0302

NPS Station ID: SACN0302 | LAT/LON: 45.189448/ -92.713226 | Agency: 21WITIS | Date Created: 12/17/88
Location: PINE LAKE | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE/TISSUE | STORET Station ID(s): 565009 /6270MA565009/3119W105009
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.30 | On/Off RF1:
RF3 Index: 07030005000803.68 | RF3 Mile Point: 9.12 | Distance from RF3: 0.04 | On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0302

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	06/02/87-06/04/87	4	3.255	3.458	4.83	2.49	1.211	1.101	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	06/02/87-06/04/87	4	20.95	21.488	25.	19.05	7.887	2.808	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	06/02/87-06/04/87	4	0.35	0.45	0.8	0.3	0.057	0.238	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/02/87-06/04/87	4	1.	1.25	2.	1.	0.25	0.5	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0303

NPS Station ID: SACN0303
LAT/LON: 45.011170/ -92.714670
Agency: 21WIS
Date Created: 09/18/93
Location: WILLOW R ABV BIFURCATION
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563092 /6270AA563092/2919W083092
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR KEN SCHRIEBER OF WESTERN DISTRICT (715)839-3798 BELOW LITTLE FALLS DAM T29N R19W S08 SWSW

Parameter Inventory for Station: SACN0303

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-09/02/93	5	19.5	19.5	20.5	18.5	0.625	0.791	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/93-09/02/93	4	8.85	8.775	9.8	7.6	0.856	0.925	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/93-09/02/93	5	8.35	8.27	8.75	7.5	0.216	0.464	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/93-09/02/93	5	8.35	8.032	8.75	7.5	0.286	0.535	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-09/02/93	5	0.004	0.009	0.032	0.002	0.	0.013	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/93-09/02/93	5	0.047	0.059	0.12	0.023	0.001	0.038	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0303

				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	4	0	0.00	1	0	0.00							3	0	0.00
00400	PH	Other-Hi Lim.	9.	5	0	0.00	2	0	0.00							3	0	0.00
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00							3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0304

NPS Station ID: SACN0304
LAT/LON: 45.012504/ -92.714838
Agency: 21WIS
Date Created: 08/18/90
Location: WILLOW RIVER BELOW LITTLE FALLS
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563069 /6270AA563069
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 3.10
On/Off RF1:
RF3 Index: 07030005000408.51
RF3 Mile Point: 8.76
Distance from RF3: 0.13
On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF WD EAU CLAIRE (715)839-3724 WILLOW RIVER BELOW LITTLE FALLS DAM AT WILLOW RIVER STATE PARK

Parameter Inventory for Station: SACN0304

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/05/90-12/07/93	53	15.	12.428	24.	0.5	67.794	8.234	1.5	3.	20.	21.42
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/10/93-12/07/93	10	3.65	3.49	6.	1.5	1.79	1.338	1.56	2.475	4.15	5.89
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/90-12/07/93	42	374.	358.81	442.	172.	2850.256	53.388	307.5	323.75	396.	408.5
00300	OXYGEN, DISSOLVED MG/L	07/05/90-12/07/93	52	9.8	10.608	16.6	6.7	4.882	2.21	8.33	8.8	12.075	13.47
00310	BOD, 5 DAY, 20 DEG C MG/L	05/07/91-09/23/92	5	3.4	3.88	5.5	2.8	1.107	1.052	**	**	**	**
00400	PH (STANDARD UNITS)	07/05/90-12/07/93	53	8.6	8.572	9.26	7.	0.163	0.404	8.126	8.395	8.785	9.1
00400	CONVERTED PH (STANDARD UNITS)	07/05/90-12/07/93	53	8.6	8.27	9.26	7.	0.256	0.506	8.126	8.395	8.785	9.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/05/90-12/07/93	53	0.003	0.005	0.1	0.001	0.	0.014	0.001	0.002	0.004	0.007
00403	PH, LAB, STANDARD UNITS SU	07/05/90-12/07/93	42	8.3	8.369	8.9	7.8	0.056	0.237	8.1	8.2	8.5	8.77
00403	CONVERTED PH, LAB, STANDARD UNITS	07/05/90-12/07/93	42	8.3	8.31	8.9	7.8	0.06	0.245	8.1	8.2	8.5	8.77
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/05/90-12/07/93	42	0.005	0.005	0.016	0.001	0.	0.003	0.002	0.003	0.006	0.008
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/05/90-12/07/93	42	168.	163.643	200.	76.	545.699	23.36	140.6	154.5	177.25	185.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/05/90-12/07/93	42	5.5	7.357	20.	1.	25.894	5.089	1.3	4.	11.	16.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/05/90-12/07/93	52	0.044	0.057	0.332	0.003	0.003	0.058	0.012	0.017	0.074	0.134
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/05/90-12/07/93	40	0.6	0.58	1.5	0.1	0.103	0.32	0.21	0.3	0.8	1.
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/05/90-12/07/93	42	2.05	2.098	3.7	0.5	0.891	0.944	0.9	1.3	3.	3.47
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/05/90-12/07/93	40	0.06	0.079	0.35	0.04	0.003	0.052	0.05	0.06	0.08	0.12
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/01/90-12/07/93	40	0.033	0.032	0.25	0.001	0.002	0.042	0.002	0.004	0.044	0.053
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/05/90-12/07/93	41	190.	184.683	220.	82.	785.122	28.02	152.	175.	200.	210.
00916	CALCIUM, TOTAL (MG/L AS CA)	07/05/90-12/07/93	41	42.	40.073	50.	19.	38.67	6.218	32.4	36.5	45.	46.8
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/05/90-12/07/93	41	22.	20.439	24.	8.	10.402	3.225	17.	20.	22.	23.
00940	CHLORIDE,TOTAL IN WATER MG/L	07/05/90-12/07/93	41	12.	11.22	15.	5.	2.626	1.62	9.2	10.5	12.	13.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/05/90-10/13/93	19	10.	18.421	110.	0.	669.591	25.876	5.	5.	20.	50.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	07/05/90-10/13/93	19	1.	1.001	2.041	0.	0.226	0.475	0.699	0.699	1.301	1.699
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.016								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/01/90-10/13/93	18	## 5.	9.722	40.	0.	104.33	10.214	4.5	5.	10.	31.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/01/90-10/13/93	18	## 0.699	0.837	1.602	0.	0.129	0.36	0.629	0.699	1.	1.49
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			6.873								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/11/92-10/29/92	4	22.2	25.475	40.5	17.	107.843	10.385	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0304

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	10	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00	4	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	52	0	0.00	19	0	0.00	10	0	0.00	5	0	0.00	18	0	0.00
00400	PH	Other-Hi Lim.	9.	53	9	0.17	20	3	0.15	10	0	0.00	5	0	0.00	18	6	0.33
		Other-Lo Lim.	6.5	53	0	0.00	20	0	0.00	10	0	0.00	5	0	0.00	18	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	42	0	0.00	12	0	0.00	10	0	0.00	5	0	0.00	15	0	0.00
		Other-Lo Lim.	6.5	42	0	0.00	12	0	0.00	10	0	0.00	5	0	0.00	15	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	42	0	0.00	12	0	0.00	10	0	0.00	5	0	0.00	15	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	41	0	0.00	12	0	0.00	10	0	0.00	5	0	0.00	14	0	0.00
		Drinking Water	250.	41	0	0.00	12	0	0.00	10	0	0.00	5	0	0.00	14	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	19	0	0.00	4	0	0.00				1	0	0.00	14	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0305

NPS Station ID: SACN0305
LAT/LON: 45.157503/ -92.716392
Agency: 112WRD
Date Created: / /
Location: APPLE RIVER NEAR SOMERSET, WI
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05341500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07050001005903.60
RF3 Mile Point: 5.55
Distance from RF3: 0.08
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0305

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/25/66-08/23/83	30	8.5	9.857	23.8	0.	67.847	8.237	0.01	2.75	19.625	21.95
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/06/77-08/23/83	2	18.75	18.75	23.	14.5	36.125	6.01	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/23/83-08/23/83	1	748.	748.	748.	748.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	11/25/66-05/07/67	2	272.5	272.5	335.	210.	7812.5	88.388	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/75-08/23/83	28	495.	707.607	4900.	208.	756007.433	869.487	279.6	360.5	654.	1154.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/22/75-03/31/78	11	2.	2.545	6.	0.	3.673	1.916	0.	1.	4.	5.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/25/78-10/16/80	9	2.	1.878	4.	0.4	1.569	1.253	0.4	0.75	3.	4.
00080	COLOR (PLATINUM-COBALT UNITS)	11/25/66-10/16/80	21	12.	17.238	55.	2.	250.89	15.84	2.	4.5	27.	44.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/25/66-08/23/83	31	244.	247.903	340.	130.	2075.89	45.562	184.4	225.	273.	312.
00300	OXYGEN, DISSOLVED MG/L	02/03/76-08/23/83	27	11.	10.274	13.9	7.3	3.761	1.939	7.54	8.4	11.8	12.3
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/03/76-08/26/82	25	93.	91.8	103.	60.	70.167	8.377	84.2	88.5	97.	100.4
00400	PH (STANDARD UNITS)	11/25/66-08/23/83	29	7.9	7.85	8.5	7.35	0.108	0.328	7.43	7.56	8.	8.4
00400	CONVERTED PH (STANDARD UNITS)	11/25/66-08/23/83	29	7.9	7.744	8.5	7.35	0.119	0.345	7.43	7.56	8.	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/25/66-08/23/83	29	0.013	0.018	0.045	0.003	0.	0.012	0.004	0.01	0.028	0.037
00403	PH, LAB, STANDARD UNITS SU	10/16/80-08/23/83	8	7.9	7.925	8.2	7.7	0.031	0.175	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/16/80-08/23/83	8	7.889	7.896	8.2	7.7	0.032	0.178	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/16/80-08/23/83	8	0.013	0.013	0.02	0.006	0.	0.005	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/22/75-08/21/81	16	2.45	3.375	11.	0.9	8.987	2.998	0.9	1.25	3.3	9.6
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/68-07/10/80	20	120.	112.	151.	49.	628.421	25.068	68.5	95.	129.5	139.4
00440	BICARBONATE ION (MG/L AS HCO3)	11/25/66-03/31/78	14	146.	136.714	184.	60.	1099.912	33.165	71.	125.	157.75	174.
00445	CARBONATE ION (MG/L AS CO3)	11/25/66-03/31/78	12	0.	0.833	10.	0.	8.333	2.887	0.	0.	0.	7.
00600	NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	25	1.2	1.155	1.9	0.58	0.096	0.31	0.768	0.94	1.4	1.54
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/22/75-08/26/82	25	0.38	0.438	0.8	0.19	0.038	0.194	0.196	0.285	0.555	0.794
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/22/75-08/23/83	27	0.05	0.076	0.3	0.005	0.005	0.07	0.01	0.03	0.12	0.194
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/23/83	27	0.01	0.011	0.04	0.005	0.	0.007	0.005	0.01	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	23	0.62	0.646	0.99	0.19	0.046	0.215	0.38	0.48	0.82	0.986
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/22/75-08/23/83	27	0.41	0.512	1.1	0.2	0.042	0.204	0.324	0.39	0.61	0.83
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/75-08/23/83	27	0.6	0.624	1.	0.19	0.047	0.218	0.35	0.48	0.8	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/22/75-08/23/83	27	0.06	0.057	0.12	0.01	0.	0.022	0.04	0.04	0.07	0.09
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/22/75-08/23/83	26	0.03	0.033	0.07	0.005	0.	0.017	0.009	0.02	0.04	0.056
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/75-08/23/83	15	5.7	5.453	11.	1.4	4.377	2.092	2.66	3.8	6.2	8.3
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/22/75-08/23/83	10	0.	0.002	0.005	0.	0.	0.002	0.	0.	0.005	0.005
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/25/66-04/08/83	29	120.	117.345	160.	55.	555.877	23.577	75.	103.5	130.	140.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/25/66-02/26/81	24	6.	5.292	15.	0.	15.085	3.884	0.	2.25	7.	10.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/25/66-08/23/83	29	30.	28.621	38.	14.	28.53	5.341	20.	25.5	32.	34.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/25/66-08/23/83	29	11.	10.866	15.	4.9	5.882	2.425	6.6	9.2	13.	13.
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/25/66-08/23/83	28	3.5	3.425	4.1	1.7	0.28	0.529	2.67	3.2	3.85	4.01
00931	SODIUM ADSORPTION RATIO	10/22/75-04/08/83	26	0.1	0.127	0.2	0.1	0.002	0.045	0.1	0.1	0.2	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0305

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00932	SODIUM, PERCENT	10/22/75-04/08/83	26	6.	6.077	10.	4.	1.194	1.093	5.	5.75	6.25	7.
00933	SODIUM,PLUS POTASSIUM (MG/L)	02/21/80-02/21/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/25/66-08/23/83	28	1.25	1.496	3.3	0.7	0.43	0.656	0.89	1.025	1.95	2.47
00940	CHLORIDE,TOTAL IN WATER MG/L	11/25/66-08/23/83	30	4.	4.267	7.	2.	1.237	1.112	3.	3.75	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/25/66-08/23/83	30	5.	5.333	9.	3.	2.299	1.516	4.	4.	7.	7.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/25/66-08/23/83	29	0.1	0.114	0.5	0.05	0.007	0.081	0.05	0.1	0.1	0.2
00951	FLUORIDE, TOTAL (MG/L AS F)	06/06/77-06/06/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/25/66-08/23/83	28	14.	14.493	22.	8.8	7.305	2.703	11.9	13.	16.	18.1
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/06/77-06/06/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01001	ARSENIC, SUSPENDED (UG/L AS AS)	06/06/77-06/06/77	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/22/75-08/23/83	10	1.	1.	2.	0.5	0.167	0.408	0.5	0.875	1.	1.9
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/06/77-06/06/77	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01006	BARIUM, SUSPENDED (UG/L AS BA)	06/06/77-06/06/77	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	06/06/77-08/23/83	5 ##	50.	65.	100.	25.	1125.	33.541	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/10/80-07/10/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/06/77-06/06/77	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01021	BORON, SUSPENDED (UG/L AS B)	06/06/77-06/06/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	10/22/75-08/23/83	9	30.	31.111	60.	10.	336.111	18.333	10.	10.	45.	60.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/06/77-06/06/77	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01026	CADMIUM, SUSPENDED (UG/L AS CD)	06/06/77-06/06/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/22/75-08/23/83	10 ##	0.5	1.5	10.	0.	9.389	3.064	0.	0.	1.25	9.2
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/06/77-06/06/77	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01031	CHROMIUM, SUSPEND (UG/L AS CR)	06/06/77-06/06/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/22/75-08/23/83	10 ##	10.	10.	20.	0.	22.222	4.714	1.	10.	10.	19.
01035	COBALT, DISSOLVED (UG/L AS CO)	06/06/77-06/06/77	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01036	COBALT, SUSPENDED (UG/L AS CO)	06/06/77-06/06/77	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	10/22/75-08/23/83	10 ##	1.	6.2	50.	0.	239.956	15.49	0.	0.	3.	45.6
01040	COPPER, DISSOLVED (UG/L AS CU)	06/06/77-06/06/77	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	06/06/77-06/06/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/22/75-08/23/83	9	2.	3.	10.	0.	10.75	3.279	0.	1.	4.5	10.
01045	IRON, TOTAL (UG/L AS FE)	10/22/75-08/23/83	9	170.	229.444	900.	5.	67527.778	259.861	5.	115.	215.	900.
01046	IRON, DISSOLVED (UG/L AS FE)	10/22/75-03/31/78	12	75.	106.667	320.	5.	11856.061	108.886	5.	22.5	180.	311.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/06/77-06/06/77	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01050	LEAD, SUSPENDED (UG/L AS PB)	06/06/77-06/06/77	1 ##	49.5	49.5	49.5	49.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/22/75-08/23/83	10	5.5	15.8	100.	0.	909.511	30.158	0.	1.5	14.5	91.6
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/06/77-08/03/77	2	40.	40.	80.	0.	3200.	56.569	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/25/66-08/23/83	11	60.	55.045	100.	0.	1549.523	39.364	0.1	5.	90.	100.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/22/75-03/31/78	12	20.	15.167	30.	2.	103.97	10.197	2.9	5.	20.	30.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	06/06/77-06/06/77	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/06/77-06/06/77	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01066	NICKEL, SUSPENDED (UG/L AS NI)	06/06/77-06/06/77	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/22/75-08/23/83	10	3.5	6.9	25.	0.	81.656	9.036	0.	0.	12.75	24.6
01075	SILVER, DISSOLVED (UG/L AS AG)	06/06/77-06/06/77	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01076	SILVER, SUSPENDED (UG/L AS AG)	06/06/77-06/06/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	10/22/75-08/23/83	9 ##	0.	1.278	10.	0.	10.757	3.28	0.	0.	0.5	10.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/06/77-06/06/77	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01091	ZINC, SUSPENDED (UG/L ZN)	06/06/77-06/06/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/22/75-08/23/83	10	10.	22.	70.	0.	484.444	22.01	1.	10.	35.	68.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/06/77-06/06/77	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/06/77-06/06/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	06/06/77-06/06/77	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/06/77-06/06/77	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01146	SELENIUM, SUSPENDED (UG/L AS SE)	06/06/77-06/06/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/22/75-08/23/83	10 ##	0.5	0.45	0.5	0.	0.025	0.158	0.05	0.5	0.5	0.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/22/75-07/06/76	4	85.	86.5	170.	6.	6502.333	80.637	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/22/75-07/06/76	4	1.812	1.658	2.23	0.778	0.458	0.676	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			45.495								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/07/76-08/23/83	23	42.	63.609	220.	1.	4519.976	67.231	3.2	8.	90.	180.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/07/76-08/23/83	23	1.623	1.473	2.342	0.	0.421	0.649	0.46	0.903	1.954	2.255
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			29.728								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/07/76-08/23/83	21	130.	192.762	700.	8.	36772.29	191.761	18.2	56.5	225.	596.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/07/76-08/23/83	21	2.114	2.059	2.845	0.903	0.256	0.506	1.25	1.743	2.352	2.772
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			114.576								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0305

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/22/75-07/06/76	4	60.	271.25	950.	15.	205208.917	453.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/22/75-07/06/76	4	1.778	1.927	2.978	1.176	0.571	0.756	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			84.607								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/25/66-08/23/83	30	153.	150.467	183.	85.	506.12	22.497	109.1	145.	168.25	171.9
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/22/75-04/08/83	26	136.5	134.	181.	69.	565.68	23.784	95.7	118.25	151.25	156.3
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/22/75-08/26/82	25	204.	203.84	376.	103.	4800.057	69.282	117.	132.	251.	291.8
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/03/68-08/26/82	26	0.21	0.204	0.25	0.12	0.001	0.031	0.144	0.198	0.23	0.23
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	08/26/82-08/26/82	1	100.	100.	100.	100.	0.	0.	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	08/20/79-10/16/80	5	0.06	0.084	0.2	0.02	0.005	0.071	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/25/66-06/03/68	3	2.4	2.333	2.4	2.2	0.013	0.115	**	**	**	**
71885	IRON (UG/L AS FE)	11/25/66-06/03/68	2	165.	165.	240.	90.	11250.	106.066	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/20/79-08/23/83	12	0.165	0.163	0.28	0.12	0.002	0.046	0.12	0.12	0.18	0.25
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/75-08/26/82	25	5.2	5.132	8.4	2.6	1.832	1.354	3.42	4.2	6.15	6.92
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/06/77-06/06/77	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71895	MERCURY, SUSPENDED (UG/L AS HG)	06/06/77-06/06/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/22/75-08/23/83	10 ##	0.25	0.185	0.25	0.05	0.009	0.094	0.05	0.05	0.25	0.25
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/26/82-08/26/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/26/82-08/26/82	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/26/81-08/21/81	3	1.6	1.533	2.3	0.7	0.643	0.802	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0305

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	11	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	27	0	0.00	9	0	0.00	6	0	0.00	8	0	0.00	4	0	0.00
00400	PH	Other-Hi Lim.	9.	29	0	0.00	11	0	0.00	5	0	0.00	7	0	0.00	6	0	0.00
		Other-Lo Lim.	6.5	29	0	0.00	11	0	0.00	5	0	0.00	7	0	0.00	6	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	27	0	0.00	10	0	0.00	6	0	0.00	8	0	0.00	3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	23	0	0.00	9	0	0.00	6	0	0.00	5	0	0.00	3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	27	0	0.00	10	0	0.00	6	0	0.00	8	0	0.00	3	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	10	0	0.00	6	0	0.00							4	0	0.00
		Drinking Water	0.2	10	0	0.00	6	0	0.00							4	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	30	0	0.00	11	0	0.00	6	0	0.00	8	0	0.00	5	0	0.00
		Drinking Water	250.	30	0	0.00	11	0	0.00	6	0	0.00	8	0	0.00	5	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	30	0	0.00	11	0	0.00	6	0	0.00	8	0	0.00	5	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	29	0	0.00	11	0	0.00	6	0	0.00	8	0	0.00	4	0	0.00
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00										1	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00										1	0	0.00
		Drinking Water	50.	1	0	0.00										1	0	0.00
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	1	0	0.00										1	0	0.00
		Drinking Water	50.	1	0	0.00										1	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	10	0	0.00	6	0	0.00							4	0	0.00
		Drinking Water	50.	10	0	0.00	6	0	0.00							4	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00										1	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	1	0	0.00										1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	5	0	0.00	4	0	0.00							1	0	0.00
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00										1	0	0.00
		Drinking Water	4.	1	0	0.00										1	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00										1	0	0.00
		Drinking Water	5.	1	0	0.00										1	0	0.00
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9 &	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	5.	9 &	0	0.00	6	0	0.00							3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0305

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00										1	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	1	0	0.00										1	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	6	0	0.00							4	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00										1	0	0.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01041	COPPER, SUSPENDED	Fresh Acute	18.	1	0	0.00										1	0	0.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	9	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	1300.	9	0	0.00	6	0	0.00							3	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00										1	0	0.00
		Drinking Water	15.	1	0	0.00										1	0	0.00
01050	LEAD, SUSPENDED	Fresh Acute	82.	1	0	0.00										1	0	0.00
		Drinking Water	15.	0 &	0	0.00												
01051	LEAD, TOTAL	Fresh Acute	82.	9 &	0	0.00	6	0	0.00							3	0	0.00
		Drinking Water	15.	9 &	1	0.11	6	1	0.17							3	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	6	0	0.00							4	0	0.00
		Drinking Water	100.	10	0	0.00	6	0	0.00							4	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	1	0	0.00										1	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	8 &	0	0.00	6	0	0.00							2	0	0.00
		Drinking Water	100.	9	0	0.00	6	0	0.00							3	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
01091	ZINC, SUSPENDED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	10	0	0.00	6	0	0.00							4	0	0.00
		Drinking Water	5000.	10	0	0.00	6	0	0.00							4	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00										1	0	0.00
		Drinking Water	50.	1	0	0.00										1	0	0.00
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	1	0	0.00										1	0	0.00
		Drinking Water	50.	1	0	0.00										1	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	10	0	0.00	6	0	0.00							4	0	0.00
		Drinking Water	50.	10	0	0.00	6	0	0.00							4	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	23	1	0.04	9	0	0.00	5	1	0.20	7	0	0.00	2	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	3	0	0.00	1	0	0.00							2	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00										1	0	0.00
		Drinking Water	2.	1	0	0.00										1	0	0.00
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	1	0	0.00										1	0	0.00
		Drinking Water	2.	1	0	0.00										1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	10	0	0.00	6	0	0.00							4	0	0.00
		Drinking Water	2.	10	0	0.00	6	0	0.00							4	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0305

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/25/66-08/23/83	11	12.	14.127	22.	4.4	40.098	6.332	5.12	9.	20.	21.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/75-08/23/83	10	467.5	472.	655.	276.	23141.333	152.123	276.4	290.5	651.25	655.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/25/66-08/23/83	11	250.	254.364	315.	220.	638.255	25.264	222.4	240.	265.	306.6
00300	OXYGEN, DISSOLVED MG/L	02/03/76-08/23/83	9	8.5	9.	11.	7.3	1.768	1.329	7.3	7.85	10.25	11.
00400	PH (STANDARD UNITS)	11/25/66-08/23/83	11	8.	8.005	8.5	7.4	0.147	0.383	7.406	7.78	8.4	8.48
00400	CONVERTED PH (STANDARD UNITS)	11/25/66-08/23/83	11	8.	7.851	8.5	7.4	0.173	0.416	7.406	7.78	8.4	8.48
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/25/66-08/23/83	11	0.01	0.014	0.04	0.003	0.	0.013	0.003	0.004	0.017	0.039
00600	NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	9	1.	0.978	1.3	0.75	0.034	0.185	0.75	0.795	1.1	1.3
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/22/75-08/26/82	9	0.38	0.418	0.72	0.19	0.025	0.159	0.19	0.315	0.535	0.72
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/22/75-08/23/83	10	0.025	0.033	0.07	0.01	0.	0.021	0.01	0.018	0.053	0.069
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/23/83	10	0.01	0.013	0.04	0.005	0.	0.01	0.005	0.009	0.013	0.038
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	9	0.54	0.523	0.64	0.36	0.01	0.099	0.36	0.44	0.61	0.64
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/22/75-08/23/83	10	0.41	0.453	0.77	0.2	0.026	0.162	0.21	0.368	0.565	0.754
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/75-08/23/83	10	0.53	0.529	0.65	0.36	0.009	0.097	0.365	0.463	0.615	0.648
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/22/75-08/23/83	10	0.055	0.057	0.09	0.04	0.	0.018	0.04	0.04	0.07	0.088
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/22/75-08/23/83	10	0.03	0.028	0.04	0.005	0.	0.01	0.007	0.02	0.033	0.04
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/25/66-08/23/83	11	31.	31.091	34.	28.	3.691	1.921	28.	30.	33.	33.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/25/66-08/23/83	11	12.	11.9	14.	9.9	1.33	1.153	10.12	11.	13.	13.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/25/66-08/23/83	11	3.5	3.491	4.1	2.4	0.229	0.478	2.56	3.2	4.	4.08
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/25/66-08/23/83	11	1.2	1.164	1.6	0.7	0.067	0.258	0.74	1.	1.4	1.56
00940	CHLORIDE,TOTAL IN WATER MG/L	11/25/66-08/23/83	11	4.	4.091	5.	3.	0.691	0.831	3.	3.	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/25/66-08/23/83	11	5.	5.273	9.	4.	2.618	1.618	4.	4.	6.	8.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/25/66-08/23/83	11	0.1	0.145	0.5	0.1	0.015	0.121	0.1	0.1	0.1	0.44
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/25/66-08/23/83	11	14.	14.364	18.	12.	3.055	1.748	12.2	13.	16.	17.6
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/07/76-08/23/83	9	59.	70.778	180.	20.	2993.694	54.715	20.	27.	107.	180.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/07/76-08/23/83	9	1.771	1.741	2.255	1.301	0.106	0.325	1.301	1.43	2.008	2.255
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			55.12								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/07/76-08/23/83	9	190.	187.	630.	16.	35039.	187.187	16.	47.5	225.	630.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/07/76-08/23/83	9	2.279	2.056	2.799	1.204	0.256	0.506	1.204	1.632	2.352	2.799
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			113.835								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/25/66-08/23/83	11	166.	161.091	172.	138.	131.491	11.467	140.4	152.	171.	172.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/22/75-08/26/82	9	204.	193.	302.	114.	3755.	61.278	114.	128.	229.	302.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/03/68-08/26/82	9	0.22	0.217	0.23	0.19	0.	0.015	0.19	0.205	0.23	0.23
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/75-08/26/82	9	4.5	4.356	5.6	3.3	0.603	0.776	3.3	3.55	4.9	5.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0305

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/25/66-08/23/83	6	0.05	0.517	2.	0.	0.682	0.826	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/75-08/23/83	6	360.	369.667	545.	208.	17398.667	131.904	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/25/66-08/23/83	6	295.	302.5	340.	270.	837.5	28.94	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/03/76-08/23/83	6	12.15	11.533	12.7	8.4	2.479	1.574	**	**	**	**
00400	PH (STANDARD UNITS)	11/25/66-08/23/83	5	7.6	7.67	8.	7.35	0.075	0.273	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/25/66-08/23/83	5	7.6	7.606	8.	7.35	0.08	0.282	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/25/66-08/23/83	5	0.025	0.025	0.045	0.01	0.	0.014	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	6	1.4	1.23	1.4	0.58	0.108	0.328	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/22/75-08/26/82	6	0.285	0.275	0.35	0.19	0.003	0.057	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/22/75-08/23/83	6	0.125	0.118	0.21	0.04	0.003	0.057	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/23/83	6	0.01	0.011	0.02	0.005	0.	0.005	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	6	0.975	0.823	0.99	0.19	0.101	0.317	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/22/75-08/23/83	6	0.395	0.393	0.43	0.36	0.001	0.026	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/75-08/23/83	6	0.99	0.833	1.	0.19	0.104	0.322	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/22/75-08/23/83	6	0.04	0.043	0.07	0.01	0.	0.021	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/22/75-08/23/83	6	0.03	0.035	0.07	0.01	0.001	0.023	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/25/66-08/23/83	6	31.5	30.5	38.	20.	41.1	6.411	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0305

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/25/66-08/23/83	6	12.5	11.417	15.	6.	10.242	3.2	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/25/66-08/23/83	6	3.9	3.85	4.1	3.5	0.047	0.217	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/25/66-08/23/83	6	1.2	1.467	3.1	0.9	0.659	0.812	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/25/66-08/23/83	6	5.	5.	7.	2.	2.8	1.673	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/25/66-08/23/83	6	4.	4.5	7.	3.	1.9	1.378	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/25/66-08/23/83	6	0.1	0.108	0.2	0.05	0.002	0.049	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/25/66-08/23/83	6	17.5	17.5	22.	14.	8.3	2.881	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/07/76-08/23/83	5	36.	89.	220.	1.	10639.	103.146	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/07/76-08/23/83	5	1.556	1.411	2.342	0.	0.963	0.981	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			25.788								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/07/76-08/23/83	4	175.	173.	310.	32.	14236.	119.315	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/07/76-08/23/83	4	2.228	2.113	2.491	1.505	0.188	0.434	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			129.783								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/25/66-08/23/83	6	164.	157.5	183.	107.	698.3	26.425	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/22/75-08/26/82	6	131.5	153.333	234.	103.	2691.467	51.879	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/03/68-08/26/82	6	0.225	0.215	0.25	0.15	0.001	0.034	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/75-08/26/82	6	6.05	5.433	6.3	2.6	2.027	1.424	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0305

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/25/66-08/23/83	8	4.75	4.938	9.	1.	5.674	2.382	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/75-08/23/83	8	654.	840.125	1640.	650.	128244.125	358.112	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/25/66-08/23/83	8	207.5	205.25	260.	130.	1476.214	38.422	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/03/76-08/23/83	8	11.75	11.888	13.9	11.3	0.718	0.848	**	**	**	**
00400	PH (STANDARD UNITS)	11/25/66-08/23/83	7	7.75	7.756	8.1	7.52	0.049	0.222	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/25/66-08/23/83	7	7.75	7.71	8.1	7.52	0.052	0.227	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/25/66-08/23/83	7	0.018	0.019	0.03	0.008	0.	0.009	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	7	1.4	1.34	1.9	0.78	0.143	0.378	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/22/75-08/26/82	7	0.57	0.576	0.8	0.2	0.055	0.234	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/22/75-08/23/83	8	0.055	0.099	0.3	0.005	0.01	0.102	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/23/83	8	0.01	0.009	0.02	0.005	0.	0.005	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	5	0.69	0.732	0.83	0.67	0.005	0.069	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/22/75-08/23/83	8	0.63	0.653	1.1	0.33	0.071	0.267	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/75-08/23/83	8	0.69	0.624	0.84	0.31	0.035	0.187	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/22/75-08/23/83	8	0.06	0.066	0.12	0.04	0.001	0.025	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/22/75-08/23/83	7	0.04	0.032	0.05	0.005	0.	0.017	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/25/66-08/23/83	8	23.	22.625	28.	14.	22.268	4.719	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/25/66-08/23/83	8	8.45	8.337	11.	4.9	3.577	1.891	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/25/66-08/23/83	8	3.15	2.963	3.4	1.7	0.303	0.55	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/25/66-08/23/83	8	2.05	2.175	3.3	1.6	0.265	0.515	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/25/66-08/23/83	8	5.	4.5	5.	3.	0.571	0.756	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/25/66-08/23/83	8	5.5	5.875	8.	4.	1.839	1.356	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/25/66-08/23/83	8	0.1	0.087	0.1	0.05	0.001	0.023	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/25/66-08/23/83	8	12.	12.35	16.	8.8	4.466	2.113	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/07/76-08/23/83	7	7.	35.571	170.	2.	3763.619	61.348	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/07/76-08/23/83	7	0.845	1.082	2.23	0.301	0.431	0.656	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			12.087								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/07/76-08/23/83	7	110.	224.714	700.	8.	65802.238	256.519	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/07/76-08/23/83	7	2.041	2.04	2.845	0.903	0.416	0.645	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			109.707								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/25/66-08/23/83	8	138.5	130.25	157.	85.	702.214	26.499	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/22/75-08/26/82	7	267.	274.857	376.	226.	2459.81	49.596	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/03/68-08/26/82	7	0.18	0.174	0.21	0.12	0.001	0.037	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/75-08/26/82	7	6.2	5.971	8.4	3.5	2.749	1.658	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0305

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/25/66-08/23/83	5	21.5	19.54	23.8	9.4	34.248	5.852	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/75-08/23/83	4	460.	1538.5	4900.	334.	5025625.667	2241.791	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/25/66-08/23/83	6	240.5	238.333	295.	170.	1585.067	39.813	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/03/76-08/23/83	4	8.1	8.025	8.6	7.3	0.349	0.591	**	**	**	**
00400	PH (STANDARD UNITS)	11/25/66-08/23/83	6	7.8	7.827	8.3	7.46	0.092	0.304	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/25/66-08/23/83	6	7.789	7.747	8.3	7.46	0.1	0.316	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/25/66-08/23/83	6	0.016	0.018	0.035	0.005	0.	0.011	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	3	1.1	1.107	1.3	0.92	0.036	0.19	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/22/75-08/26/82	3	0.51	0.503	0.66	0.34	0.026	0.16	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/22/75-08/23/83	3	0.07	0.07	0.09	0.05	0.	0.02	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/23/83	3	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/26/82	3	0.52	0.513	0.56	0.46	0.003	0.05	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/22/75-08/23/83	3	0.6	0.573	0.73	0.39	0.029	0.172	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/75-08/23/83	3	0.53	0.527	0.57	0.48	0.002	0.045	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/22/75-08/23/83	3	0.06	0.063	0.09	0.04	0.001	0.025	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/22/75-08/23/83	3	0.04	0.047	0.07	0.03	0.	0.021	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/25/66-08/23/83	4	31.	31.	32.	30.	0.667	0.816	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/25/66-08/23/83	4	12.5	12.25	13.	11.	0.917	0.957	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/25/66-08/23/83	3	3.6	3.567	3.6	3.5	0.003	0.058	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/25/66-08/23/83	3	1.	0.967	1.1	0.8	0.023	0.153	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/25/66-08/23/83	5	4.	3.4	4.	2.	0.8	0.894	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/25/66-08/23/83	5	6.	5.6	7.	3.	2.8	1.673	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/25/66-08/23/83	4	0.1	0.087	0.1	0.05	0.001	0.025	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/25/66-08/23/83	3	14.	14.667	16.	14.	1.333	1.155	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/07/76-08/23/83	2	66.	66.	90.	42.	1152.	33.941	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/07/76-08/23/83	2	1.789	1.789	1.954	1.623	0.055	0.234	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			61.482								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/07/76-08/23/83	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/07/76-08/23/83	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			100.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/25/66-08/23/83	5	151.	151.	160.	145.	36.5	6.042	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/22/75-08/26/82	3	178.	171.667	201.	136.	1086.333	32.96	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/03/68-08/26/82	4	0.21	0.21	0.22	0.2	0.	0.008	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/75-08/26/82	3	4.8	4.9	5.8	4.1	0.73	0.854	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0306

NPS Station ID: SACN0306
LAT/LON: 45.000005/ -92.716670
Agency: 21WIS
Date Created: / /
Location: WILLOW RIVER
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 563120 /6270RE563120/ 2919W17
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005004
RF1 Mile Point: 2.930
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000701.42
RF3 Mile Point: 3.96
Distance from RF3: 0.14
On/Off RF3:
Description:
WILLOW RIVER AT TROUT BROOK RD. OFF HWY. A. MALLALIEU LAKE INLET.

Parameter Inventory for Station: SACN0306

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	11/06/73-10/08/74	5	48.5	49.2	64.5	37.	109.075	10.444	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/12/73-10/08/74	6	2.35	2.483	3.9	1.2	1.078	1.038	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/73-10/08/74	6	303.5	296.5	313.	260.	406.7	20.167	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/06/73-10/08/74	5	9.4	9.84	12.	8.	2.383	1.544	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/73-10/08/74	6	8.1	8.067	8.3	7.7	0.043	0.207	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/73-10/08/74	6	8.1	8.021	8.3	7.7	0.045	0.213	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/73-10/08/74	6	0.008	0.01	0.02	0.005	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/12/73-10/08/74	6	140.5	134.667	173.	92.	951.067	30.839	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	09/12/73-10/08/74	6	1.91	2.08	3.41	1.2	0.613	0.783	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/12/73-10/08/74	6	0.59	0.543	0.84	0.21	0.078	0.28	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/12/73-10/08/74	6	0.16	0.118	0.2	0.	0.009	0.094	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/73-10/08/74	6	0.014	0.02	0.038	0.011	0.	0.011	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/73-10/08/74	6	1.075	1.4	2.39	0.84	0.453	0.673	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-10/08/74	6	0.055	0.062	0.11	0.04	0.001	0.026	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/12/73-10/08/74	6	34.5	34.383	59.3	10.	249.242	15.787	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/12/73-10/08/74	6	17.85	19.1	35.9	4.	126.528	11.248	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/12/73-10/08/74	6	4.5	3.667	6.	0.	5.067	2.251	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/12/73-10/08/74	6	2.4	3.05	9.	0.	9.931	3.151	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/73-10/08/74	6	5.	5.5	7.	5.	0.7	0.837	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/73-10/08/74	6	9.5	9.5	13.	7.	6.3	2.51	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/73-10/08/74	6	0.035	0.045	0.108	0.014	0.001	0.036	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0306

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	6	0	0.00	3	0	0.00	1	0	0.00				2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	2	0	0.00	1	0	0.00				2	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	6	0	0.00	3	0	0.00	1	0	0.00				2	0	0.00
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00	1	0	0.00				2	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	3	0	0.00	1	0	0.00				2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0306

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	3	0	0.00	1	0	0.00				2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	3	0	0.00	1	0	0.00				2	0	0.00
		Drinking Water	250.	6	0	0.00	3	0	0.00	1	0	0.00				2	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	3	0	0.00	1	0	0.00				2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0307

NPS Station ID: SACN0307
LAT/LON: 45.315281/ -92.717781
Agency: 112WRD
Date Created: 12/02/81
Location: ST. CROIX RIVER NEAR OSCEOLA, WI
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05340557
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 2.80
On/Off RF1:
RF3 Index: 07030005207000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0307

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/81-07/21/83	3	22.	23.	25.	22.	3.	1.732	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/21/83-07/21/83	1	35.5	35.5	35.5	35.5	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/21/83-07/21/83	1	740.	740.	740.	740.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	08/17/82-08/17/82	1	1900.	1900.	1900.	1900.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/20/81-08/20/81	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/81-07/21/83	3	177.	191.333	223.	174.	754.333	27.465	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/20/81-07/21/83	3	8.	7.767	8.3	7.	0.463	0.681	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/20/81-08/17/82	2	97.	97.	99.	95.	8.	2.828	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/81-07/21/83	2	7.54	7.54	7.7	7.38	0.051	0.226	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/81-07/21/83	2	7.511	7.511	7.7	7.38	0.053	0.23	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/81-07/21/83	2	0.031	0.031	0.042	0.02	0.	0.015	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/20/81-08/17/82	2	1.305	1.305	1.9	0.71	0.708	0.841	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/20/81-08/20/81	1	0.66	0.66	0.66	0.66	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/81-07/21/83	3	0.02	0.048	0.12	0.005	0.004	0.063	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/81-07/21/83	3 ##	0.005	0.01	0.02	0.005	0.	0.009	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/81-07/21/83	3	0.78	0.76	0.9	0.6	0.023	0.151	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/81-07/21/83	3	0.5	0.57	1.1	0.11	0.249	0.499	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/81-07/21/83	3	0.04	0.043	0.05	0.04	0.	0.006	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/81-07/21/83	3	13.	11.	13.	7.	12.	3.464	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/81-07/21/83	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/20/81-07/21/83	3 ##	50.	58.333	100.	25.	1458.333	38.188	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/20/81-07/21/83	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/20/81-07/21/83	3	20.	16.667	20.	10.	33.333	5.774	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/20/81-07/21/83	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/20/81-07/21/83	3	730.	683.333	930.	390.	74533.333	273.008	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/20/81-07/21/83	2 ##	5.25	5.25	10.	0.5	45.125	6.718	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/20/81-07/21/83	3	80.	76.667	90.	60.	233.333	15.275	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/20/81-07/21/83	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/20/81-07/21/83	3	10.	13.333	20.	10.	33.333	5.774	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/20/81-07/21/83	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/21/83	3	100.	399.	1000.	97.	270903.	520.483	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/81-07/21/83	3	2.	2.329	3.	1.987	0.338	0.581	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			213.267								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/21/83	3	680.	608.333	1100.	45.	282108.333	531.139	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/81-07/21/83	3	2.833	2.509	3.041	1.653	0.56	0.748	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			322.878								
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/20/81-07/21/83	3	0.12	0.13	0.15	0.12	0.	0.017	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/20/81-08/17/82	2	5.7	5.7	8.3	3.1	13.52	3.677	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0307

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900	MERCURY, TOTAL (UG/L AS HG)	08/20/81-07/21/83	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0307

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	2	0	0.00							1	0	0.00
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00							1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00							1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00							1	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	2	0	0.00							1	0	0.00
		Drinking Water	50.	3	0	0.00	2	0	0.00							1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	2	0	0.00							1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	5.	2	0	0.00	1	0	0.00							1	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00							1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	1300.	2	0	0.00	1	0	0.00							1	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	15.	2	0	0.00	1	0	0.00							1	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	2	0	0.00							1	0	0.00
		Drinking Water	100.	3	0	0.00	2	0	0.00							1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	2	0	0.00							1	0	0.00
		Drinking Water	5000.	3	0	0.00	2	0	0.00							1	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00	2	0	0.00							1	0	0.00
		Drinking Water	50.	3	0	0.00	2	0	0.00							1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	1	0.33	2	0	0.00							1	1	1.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	2	0	0.00							1	0	0.00
		Drinking Water	2.	3	0	0.00	2	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0308

NPS Station ID: SACN0308
LAT/LON: 45.152004/ -92.719170
Agency: 21WIS
Date Created: 07/31/93
Location: APPLE FALLS FLOWAGE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE/SOLIDS
STORET Station ID(s): 563093 /6270LA563093
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 27
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR PAUL LALIBERTE OF EAU CLAIRE (715)839-3724 SEDIMENT SAMPLE STATION 100 YARDS UPSTREAM FROM DAM IN MID CHANNEL.

Parameter Inventory for Station: SACN0308

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/16/93-07/16/93	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/16/93-07/16/93	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/16/93-07/16/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	07/16/93-07/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/16/93-07/16/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
61509	ZINC SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**
61515	NICKEL SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
61521	ARSENIC SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/16/93-07/16/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	07/16/93-07/16/93	1	86100.	86100.	86100.	86100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0309

NPS Station ID: SACN0309
LAT/LON: 45.549337/ -92.722837
Agency: 21WITIS
Date Created: 12/10/94
Location: ST CROIX R 08 NEVERS SITE
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 495030 /6270MA495030/3519W045030
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0309

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0310

NPS Station ID: SACN0310
LAT/LON: 45.535170/ -92.723003
Agency: 21WITIS
Date Created: 12/10/94
Location: ST CROIX RIVER ABV NEVERS DAM
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 495027 /6270MA495027/3519W095027
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0310

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0311

NPS Station ID: SACN0311
LAT/LON: 45.144670/ -92.723171
Agency: 21WITIS
Date Created: 12/10/94
Location: APPLE R 15 APPLE FALLS FLOWAGE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 565015 /6270MA565015/3119W285015
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0311

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0312

NPS Station ID: SACN0312
LAT/LON: 45.779170/ -92.723615
Agency: 21WIS
Date Created: 08/28/82
Location: HAY CR SEC 16 ADJ TO STH 70
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 073033 /8270AC073033/3819W163033
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 2
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030005003700.00
RF3 Mile Point: 1.27
Distance from RF3: 0.01
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 HAY CR @ TWN RD X-ING IN SEC 16, T38N, R19W ADJ TO STH 70. BIOTIC IND EX SURVEY (NON-POINT) SAMPLING SITE 1979. POOR SAMPLING CONDITIONS. MACROINVERT COLLECTION FROM DEBRIS IN 2 FT. PLUS DEPTH.

Parameter Inventory for Station: SACN0312

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0313

NPS Station ID: SACN0313
LAT/LON: 45.903615/ -92.729727
Agency: 112WRD
Date Created: 03/17/77
Location: KETTLE RIVER NEAR CLOVERDALE, MINN
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05337050
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030003
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030003001
RF1 Mile Point: 2.510
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030003000600.00
RF3 Mile Point: 2.84
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0313

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/22/75-08/27/85	18	14.5	13.156	26.5	0.5	100.265	10.013	1.67	3.375	22.25	26.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/23/83-08/23/83	1	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/23/83-08/27/85	2	748.	748.	754.	742.	72.	8.485	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/22/75-08/27/85	17	383.	2403.176	9180.	118.	9927419.279	3150.781	130.8	185.5	3995.	8860.
00065	STAGE, STREAM (FEET)	04/13/83-08/23/83	2	11.845	11.845	15.06	8.63	20.672	4.547	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/22/75-08/27/85	18	152.	131.278	185.	66.	2032.095	45.079	69.6	86.75	171.25	185.
00300	OXYGEN, DISSOLVED MG/L	07/23/76-08/27/85	16	9.65	10.425	12.8	8.3	2.742	1.656	8.44	9.025	12.075	12.59
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/18/77-08/25/82	12	97.	101.	117.	88.	100.909	10.045	88.3	94.25	111.5	116.4
00400	PH (STANDARD UNITS)	10/22/75-08/27/85	17	7.5	7.496	8.47	6.14	0.479	0.692	6.636	6.89	8.25	8.334
00400	CONVERTED PH (STANDARD UNITS)	10/22/75-08/27/85	17	7.5	7.019	8.47	6.14	0.721	0.849	6.636	6.89	8.25	8.334
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/22/75-08/27/85	17	0.032	0.096	0.724	0.003	0.03	0.172	0.005	0.006	0.129	0.284
00403	PH, LAB, STANDARD UNITS SU	04/16/82-08/27/85	4	7.55	7.5	7.7	7.2	0.047	0.216	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/16/82-08/27/85	4	7.547	7.457	7.7	7.2	0.049	0.222	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/82-08/27/85	4	0.028	0.035	0.063	0.02	0.	0.019	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/22/75-08/19/81	9	3.	12.433	49.	0.8	369.558	19.224	0.8	1.	25.15	49.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/22/75-07/09/80	11	41.	51.636	94.	16.	811.255	28.483	16.4	25.	77.	91.8
00440	BICARBONATE ION (MG/L AS HCO3)	10/22/75-04/06/78	6	70.	66.167	114.	19.	1484.967	38.535	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/22/75-04/06/78	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/22/75-04/16/82	14	0.955	1.07	2.4	0.26	0.447	0.668	0.285	0.38	1.6	2.2
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/22/75-04/16/82	14	0.755	0.806	1.7	0.25	0.224	0.474	0.275	0.363	1.1	1.65
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/22/75-08/27/85	18	0.065	0.085	0.38	0.005	0.01	0.099	0.005	0.01	0.108	0.263
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/27/85	18	0.008	0.009	0.02	0.	0.	0.006	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/22/75-08/19/81	12	0.115	0.173	0.96	0.	0.072	0.267	0.	0.	0.233	0.744
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/22/75-08/27/85	18	0.72	0.802	1.8	0.1	0.252	0.502	0.244	0.378	1.025	1.8
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/75-08/27/85	18	0.155	0.191	0.98	0.01	0.05	0.223	0.01	0.05	0.235	0.458
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/19/79-04/19/79	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/22/75-08/27/85	18	0.055	0.06	0.12	0.01	0.001	0.032	0.019	0.03	0.09	0.111
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/22/75-08/27/85	15	0.03	0.029	0.06	0.	0.	0.014	0.006	0.02	0.04	0.048
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/75-08/27/85	18	12.5	12.683	23.	5.7	24.11	4.91	6.33	7.875	16.25	20.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/85-08/27/85	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/27/85-08/27/85	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/27/85-08/27/85	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/27/85-08/27/85	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/27/85-08/27/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/27/85-08/27/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/27/85-08/27/85	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/22/75-08/27/85	18	5.	4.167	6.	1.	2.971	1.724	1.9	2.	6.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/85-08/27/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0313

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/27/85-08/27/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/27/85-08/27/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/27/85-08/27/85	1	740.	740.	740.	740.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/27/85-08/27/85	1	17.	17.	17.	17.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/22/75-07/23/76	3	6.	29.	80.	1.	1957.	44.238	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/22/75-07/23/76	3	0.778	0.894	1.903	0.	0.915	0.957	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.83								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/18/77-08/27/85	15	36.	70.733	420.	9.	10838.638	104.109	9.6	15.	100.	240.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	03/18/77-08/27/85	15	1.556	1.565	2.623	0.954	0.241	0.491	0.982	1.176	2.	2.297
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			36.752								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/18/77-08/27/85	15	450.	901.733	2500.	63.	702505.21	838.156	81.	170.	1700.	2200.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/18/77-08/27/85	15	2.653	2.701	3.398	1.799	0.292	0.54	1.901	2.23	3.23	3.34
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			502.491								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/22/75-07/23/76	3	44.	727.333	2100.	38.	1413169.333	1188.768	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/22/75-07/23/76	3	1.643	2.182	3.322	1.58	0.976	0.988	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			151.991								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/81-08/27/85	2	401.5	401.5	679.	124.	154012.5	392.444	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/27/85-08/27/85	1	93.	93.	93.	93.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/19/81-08/19/81	1	458.	458.	458.	458.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/81-08/19/81	1	0.92	0.92	0.92	0.92	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	08/11/77-08/23/83	11	95.	87.273	100.	53.	229.018	15.133	57.	77.	99.	100.
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/19/79-07/09/80	4	0.06	0.083	0.2	0.01	0.007	0.083	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/19/79-08/27/85	11	0.15	0.175	0.37	0.03	0.011	0.103	0.042	0.09	0.25	0.358
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/75-04/16/82	14	4.3	4.807	11.	1.2	9.173	3.029	1.3	1.7	7.1	9.95
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/22/75-08/27/85	16	3.	15.813	89.	1.	565.629	23.783	1.	2.	25.25	58.9
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/22/75-08/25/82	13	1.9	175.575	1090.	0.36	112529.415	335.454	0.384	0.655	204.5	921.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0313

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	16	0	0.00	6	0	0.00				5	0	0.00	5	0	0.00
00400	PH	Other-Hi Lim.	9.	17	0	0.00	7	0	0.00				5	0	0.00	5	0	0.00
		Other-Lo Lim.	6.5	17	1	0.06	7	0	0.00				5	1	0.20	5	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	4	0	0.00	2	0	0.00				1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00				1	0	0.00	1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	18	0	0.00	7	0	0.00				6	0	0.00	5	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	4	0	0.00				4	0	0.00	4	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	18	0	0.00	7	0	0.00				6	0	0.00	5	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	18	0	0.00	7	0	0.00				6	0	0.00	5	0	0.00
		Drinking Water	250.	18	0	0.00	7	0	0.00				6	0	0.00	5	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	15	1	0.07	6	0	0.00				5	1	0.20	4	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0314

NPS Station ID: SACN0314
LAT/LON: 44.831116/ -92.732782
Agency: 21WIS
Date Created: 06/28/80
Location: KINNICKINNIC RIVER CTH F BRIDGE
FIPS State/County: 55093 WISCONSIN/PIERCE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 483031 /6270AC483031/2719W183031
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005002
RF1 Mile Point: 1.600
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07040001000401.75
RF3 Mile Point: 2.24
Distance from RF3: 0.58
On/Off RF3:
Description:
STATION FOR TERRY MOE OF WEST CENTRAL DIST. (715)836-2951 KINNICKINNIC RIVER COUNTY F JUST NORTH OF JUNCTION WITH COUNTY FF (EAST) T27N R19W NORTH CENTRAL SECTION 18 SAMPLE LOCATION 10 YARDS WEST OF BRIDGE NONPOINT SOURCE BIOTIC INDEX SAMPLING.

Parameter Inventory for Station: SACN0314

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0315

NPS Station ID: SACN0315 | LAT/LON: 44.775004/ -92.733337 | Agency: 11EPALES | Date Created: / /
Location: KINNICKINNIC RIVER | FIPS State/County: 27000 MINNESOTA/
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 27A7D1 /LS27A7D1
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07040001 | Depth of Water: 0 | Aquifer:
Major Basin: T/LAKE ST CROIX | Elevation: 0 | Water Body Id:
Minor Basin: CO HWY F BRDG NNE PRESCOT 5MI WSW R FALS | ECO Region:
RF1 Index: 07040001 | RF1 Mile Point: 0.000 | Distance from RF1: 5.50 | On/Off RF1:
RF3 Index: 07030005186000.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.02 | On/Off RF3:
Description:
AT CO HWY "F" BRDG ABOUT5.5 MI NNE OF PRESCOTT WI & ABOUT 5 MI WSW RIVER FALLS WI

Parameter Inventory for Station: SACN0315

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	10	0.089	0.116	0.399	0.007	0.014	0.117	0.007	0.015	0.164	0.377
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	10	0.029	0.029	0.056	0.013	0.	0.013	0.013	0.021	0.034	0.055
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	10	2.5	2.113	3.4	0.47	1.163	1.078	0.496	0.865	2.95	3.37
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	10	0.218	0.544	2.4	0.05	0.665	0.816	0.05	0.095	0.643	2.33
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	10	2.5	2.12	3.4	0.48	1.147	1.071	0.505	0.895	2.95	3.37
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	10	0.163	0.188	0.345	0.105	0.005	0.069	0.108	0.145	0.225	0.335
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	10	0.127	0.132	0.18	0.076	0.001	0.035	0.078	0.11	0.173	0.18

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0315

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	10	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	10	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0316

NPS Station ID: SACN0316 LAT/LON: 44.830559/ -92.733337 Agency: 112WRD Date Created: / /
Location: KINNICKINNIC RIVER NEAR RIVER FALLS, WI FIPS State/County: 55093 WISCONSIN/PIERCE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05342000
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030001 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030001 RF1 Mile Point: 0.000 Distance from RF1: 9.50 On/Off RF1:
RF3 Index: 07040001000100.51 RF3 Mile Point: 1.47 Distance from RF3: 0.63 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0316

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/68-06/07/68	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	06/07/68-06/07/68	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/07/68-06/07/68	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/68-06/07/68	1	401.	401.	401.	401.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/07/68-06/07/68	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/07/68-06/07/68	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/68-06/07/68	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/68-06/07/68	1	202.	202.	202.	202.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/07/68-06/07/68	1	242.	242.	242.	242.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/07/68-06/07/68	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/07/68-06/07/68	1	230.	230.	230.	230.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/07/68-06/07/68	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/07/68-06/07/68	1	51.	51.	51.	51.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/07/68-06/07/68	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/07/68-06/07/68	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/07/68-06/07/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/07/68-06/07/68	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/07/68-06/07/68	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/07/68-06/07/68	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/68-06/07/68	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/07/68-06/07/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/07/68-06/07/68	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/68-06/07/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/07/68-06/07/68	1	266.	266.	266.	266.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/07/68-06/07/68	1	244.	244.	244.	244.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/07/68-06/07/68	1	64.7	64.7	64.7	64.7	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/07/68-06/07/68	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/07/68-06/07/68	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	06/07/68-06/07/68	1	60.	60.	60.	60.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0316

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00										1	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0317

NPS Station ID: SACN0317
LAT/LON: 45.622226/ -92.733337
Agency: 21WIS
Date Created: 08/28/82
Location: TRADE R TWN RD SEC. 9, T36, R19W
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 493036 /6270AC493036/3619W093036
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 10
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005019
RF1 Mile Point: 5.420
Distance from RF1: 14.30
On/Off RF1: OFF
RF3 Index: 07030005002016.71
RF3 Mile Point: 28.32
Distance from RF3: 0.03
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 TRADE RIVER @ TWN RD X-ING APPROX 6 MI UPSTREAM FROM ST CROIX RIVER.
BIOTIC INDEX SURVEY (NON-POINT) SAMPLING SITE 1980.

Parameter Inventory for Station: SACN0317

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0318

NPS Station ID: SACN0318
LAT/LON: 44.823782/ -92.740892
Agency: 21WITIS
Date Created: 02/11/89
Location: LAKE MALLALIEU
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE/TISSUE
STORET Station ID(s): 565008 /6270MA565008
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 22.70
On/Off RF1:
RF3 Index: 07030005086200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.06
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164

Parameter Inventory for Station: SACN0318

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	05/29/87-05/29/87	6	0.32	0.632	1.32	0.24	0.277	0.527	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	05/29/87-05/29/87	6	8.35	9.543	13.9	6.16	11.129	3.336	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	05/29/87-05/29/87	6	0.14	0.17	0.4	0.07	0.017	0.129	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/29/87-05/29/87	6	2.5	2.167	3.	1.	0.967	0.983	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0319

NPS Station ID: SACN0319
LAT/LON: 45.148670/ -92.740892
Agency: 21WITIS
Date Created: 08/06/88
Location: ST CROIX R 07 APPLE R VALLEY
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 565005 /6270MA565005
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.70
On/Off RF1:
RF3 Index: 07030005000700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.16
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164

Parameter Inventory for Station: SACN0319

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/23/86-07/23/86	3	0.42	0.55	0.86	0.37	0.073	0.27	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	07/23/86-07/23/86	3	10.	10.933	12.8	10.	2.613	1.617	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/23/86-07/23/86	3 ##	0.1	0.213	0.44	0.1	0.039	0.196	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/23/86-07/23/86	1	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	07/23/86-07/23/86	3	1.	1.167	1.6	0.9	0.143	0.379	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0320

NPS Station ID: SACN0320
LAT/LON: 44.950004/ -92.750005
Agency: 21WIDNR
Date Created: 08/03/78
Location: ST. CROIX T29N R20W S36
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 094
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 9.560
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000300.00
RF3 Mile Point: 1.35
Distance from RF3: 0.46
On/Off RF3:
Description:
DATA FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES FISH SAMPLING PROGRAMS FOR MERCURY, PCBS, AND PESTICIDES
SAMPLE TAKEN FROM SAINT CROIX T29N R20W S36

Parameter Inventory for Station: SACN0320

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00024	SAMPLE LENGTH IN INCHES	07/13/76-07/13/76	4	20.65	19.725	23.	14.6	15.183	3.896	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	07/13/76-07/13/76	4	7.4	7.3	10.1	4.3	5.68	2.383	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/13/76-07/13/76	4	1.015	1.468	3.3	0.54	1.597	1.264	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/13/76-07/13/76	4	2.5	2.25	3.	1.	0.917	0.957	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0321

NPS Station ID: SACN0321
LAT/LON: 44.941670/ -92.750005
Agency: 31M&WPCB
Date Created: 05/26/78
Location: MARINE OM ST. CROIX
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): FSC-2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 8.950
Distance from RF1: 3.50
On/Off RF1: OFF
RF3 Index: 07030005001701.34
RF3 Mile Point: 3.41
Distance from RF3: 0.03
On/Off RF3:
Description:
DATA FROM MINN-WISC PCB INTERAGENCY TASK FORCE REPORT "PCBS IN THE UPPER MISSISSIPPI RIVER BASIN"
FISH TISSUE SAMPLE
SAMPLE FROM ST. CROIX RIVER AT MARINE ON ST. CROIX

Parameter Inventory for Station: SACN0321

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/20/75-07/20/75	15	14.1	15.467	28.1	11.	18.754	4.331	11.12	12.7	16.7	23.54
00024	SAMPLE LENGTH IN INCHES	07/20/75-03/01/76	18	1.115	1.909	5.19	0.5	2.535	1.592	0.554	0.775	2.75	5.019
39105	PERCENT FAT HEXANE EXTRACTION	07/20/75-03/01/76	18	1.55	2.228	6.2	0.1	4.222	2.055	0.19	0.45	3.825	5.84
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/20/75-03/01/76	18	0.29	0.57	2.4	0.05	0.383	0.619	0.05	0.2	0.945	1.59
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	03/01/76-03/01/76	3	5.	4.	6.	1.	7.	2.646	**	**	**	**
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	03/01/76-03/01/76	3	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0322

NPS Station ID: SACN0322 | LAT/LON: 44.941504/ -92.751670 | Agency: 21WIL | Date Created: 08/29/92
Location: ST. CROIX FLOWAGE | FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 564003 /6270AG564003/2820W014003
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 | Depth of Water: 60 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 55 | Water Body Id:
Minor Basin: ST. CROIX RIVER | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 19.30 | On/Off RF1:
RF3 Index: 07030005087300.00 | RF3 Mile Point: 0.69 | Distance from RF3: 0.01 | On/Off RF3:
Description:
STATION FOR BONNIE GOODWEILER OF MADISON (608)266-3484 NR BUREAU OF RESEARCH RICHARD LILLIE 1979 RANDOM LAKES SURVEY

Parameter Inventory for Station: SACN0322

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00032	CLOUD COVER (PERCENT)	08/28/79-08/28/79	2	95.	95.	95.	95.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/79-08/28/79	2	2.2	2.2	3.6	0.8	3.92	1.98	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/28/79-08/28/79	2	84.	84.	84.	84.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/79-08/28/79	2	231.	231.	232.	230.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/28/79-08/28/79	2	3.6	3.6	7.2	0.	25.92	5.091	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/28/79-08/28/79	2	7.8	7.8	8.	7.6	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/28/79-08/28/79	2	7.755	7.755	8.	7.6	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/79-08/28/79	2	0.018	0.018	0.025	0.01	0.	0.011	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/79-08/28/79	2	86.	86.	92.	80.	72.	8.485	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/28/79-08/28/79	2	1.03	1.03	1.21	0.85	0.065	0.255	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/79-08/28/79	2	0.42	0.42	0.49	0.35	0.01	0.099	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	2	0.335	0.335	0.6	0.07	0.14	0.375	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	2 ##	0.009	0.009	0.016	0.002	0.	0.01	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	2	0.275	0.275	0.44	0.11	0.054	0.233	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/79-08/28/79	2	0.013	0.013	0.015	0.01	0.	0.004	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/79-08/28/79	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/79-08/28/79	2	23.5	23.5	26.	21.	12.5	3.536	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/79-08/28/79	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/28/79-08/28/79	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/28/79-08/28/79	2 ##	0.875	0.875	1.5	0.25	0.781	0.884	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/79-08/28/79	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/79-08/28/79	2	1130.	1130.	2200.	60.	2289800.	1513.209	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/28/79-08/28/79	2	21.36	21.36	21.36	21.36	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/28/79-08/28/79	2 ##	0.315	0.315	0.59	0.04	0.151	0.389	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0322

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	1	0.50	2	1	0.50									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0322

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0323

NPS Station ID: SACN0323
LAT/LON: 44.936392/ -92.756392
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: ST. CROIX AT LAKE ST CROIX BEACH
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 3322.1 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 21.6 M
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 11.020
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0323

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0324

NPS Station ID: SACN0324
LAT/LON: 44.936392/ -92.756392
Agency: 21MINNL
Date Created: 08/10/84
Location: LAKE: ST. CROIX AT LAKE ST CROIX BEACH
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 3322.1 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 21.6 M
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 11.020
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030005208100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/10/74-10/09/94	95	1.22	1.16	2.13	0.76	0.074	0.272	0.76	1.07	1.22	1.52

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Annual Analysis for 1974 - Station SACN0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/10/74-10/09/94	13	1.22	1.312	1.52	1.22	0.017	0.13	1.22	1.22	1.445	1.52

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/10/74-10/09/94	13	1.22	1.254	1.98	0.76	0.132	0.364	0.82	0.99	1.52	1.92

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/10/74-10/09/94	17	1.07	1.139	1.37	0.91	0.021	0.143	0.91	1.07	1.22	1.37

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/10/74-10/09/94	15	0.76	0.801	1.07	0.76	0.008	0.091	0.76	0.76	0.76	0.974

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/10/74-10/09/94	12	1.22	1.346	2.13	1.07	0.083	0.287	1.07	1.22	1.483	1.947

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/10/74-10/09/94	11	1.22	1.165	1.37	0.91	0.015	0.123	0.942	1.07	1.22	1.34

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/10/74-10/09/94	14	1.07	1.178	1.83	0.91	0.066	0.257	0.99	1.07	1.22	1.755

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/10/74-10/09/94	46	1.145	1.13	1.83	0.76	0.05	0.224	0.76	1.07	1.22	1.415

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/10/74-10/09/94	49	1.22	1.188	2.13	0.76	0.096	0.309	0.76	1.07	1.37	1.52

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0325

NPS Station ID: SACN0325
LAT/LON: 44.983337/ -92.758337
Agency: 11EPALES
Date Created: / /
Location: LAKE MALLALIEU
FIPS State/County: 27000 MINNESOTA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 27A7E1 /LS27A7E1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: T/LAKE ST CROIX
Elevation: 0
Water Body Id:
Minor Basin: AT HUDSON CITY BRDG
ECO Region:
RF1 Index: 07030005004
RF1 Mile Point: 0.350
Distance from RF1: 30.00
On/Off RF1: OFF
RF3 Index: 07040001052504.59
RF3 Mile Point: 5.50
Distance from RF3: 0.02
On/Off RF3:
Description:
AT HUDSON WI CITY BRDG AT NW EDGE OF CITY W OF ST HWY 35 JUST N OF C & RR BRDG

Parameter Inventory for Station: SACN0325

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	13	0.027	0.038	0.102	0.003	0.001	0.036	0.004	0.012	0.069	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	13	0.015	0.014	0.03	0.001	0.	0.009	0.002	0.006	0.02	0.028
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	13	0.4	0.709	2.04	0.005	0.644	0.803	0.017	0.067	1.585	2.024
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	13	1.1	0.995	1.68	0.18	0.164	0.405	0.332	0.705	1.255	1.596
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	13	0.43	0.722	2.06	0.005	0.644	0.803	0.019	0.07	1.6	2.036
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	13	0.056	0.055	0.07	0.04	0.	0.012	0.04	0.043	0.067	0.07
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	13	0.012	0.015	0.038	0.003	0.	0.012	0.004	0.008	0.023	0.037

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0325

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	13	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	13	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0326

NPS Station ID: SACN0326
LAT/LON: 44.955559/ -92.758337
Agency: 11EPALES
Date Created: / /
Location: ST CROIX LAKE
FIPS State/County: 55000 WISCONSIN/
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 557802
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 75
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 10.050
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000300.00
RF3 Mile Point: 1.18
Distance from RF3: 0.18
On/Off RF3:
Description:
FIRST BLACK NAV. BUOY SOUTH OF I-94 BRIDGE.
USGS MAP: HUDSON QUAD

Parameter Inventory for Station: SACN0326

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	16	19.8	15.831	22.8	6.4	43.536	6.598	6.4	6.425	19.9	21.12
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	13	77.	74.538	78.	68.	17.269	4.156	68.4	70.	78.	78.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	3	36.	43.333	58.	36.	161.333	12.702	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	18	137.5	155.889	212.	120.	1612.81	40.16	120.	121.	208.5	210.2
00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	16	5.85	7.35	10.8	4.6	5.701	2.388	5.09	5.4	10.15	10.66
00400	PH (STANDARD UNITS)	06/28/72-11/04/72	17	7.2	7.319	7.6	7.15	0.028	0.167	7.19	7.2	7.5	7.6
00400	CONVERTED PH (STANDARD UNITS)	06/28/72-11/04/72	17	7.2	7.292	7.6	7.15	0.029	0.169	7.19	7.2	7.5	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/72-11/04/72	17	0.063	0.051	0.071	0.025	0.	0.017	0.025	0.032	0.063	0.065
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	17	56.	64.235	79.	51.	143.316	11.971	51.8	53.	77.	78.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	17	0.17	0.134	0.2	0.05	0.003	0.055	0.066	0.08	0.18	0.192
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	17	0.23	0.211	0.24	0.04	0.002	0.047	0.16	0.2	0.24	0.24
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	17	0.068	0.054	0.075	0.03	0.	0.019	0.03	0.031	0.071	0.074
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	17	0.038	0.032	0.047	0.015	0.	0.012	0.016	0.018	0.043	0.045

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0326

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	16	0	0.00	13	0	0.00							3	0	0.00
00400	PH	Other-Hi Lim.	9.	17	0	0.00	15	0	0.00							2	0	0.00
		Other-Lo Lim.	6.5	17	0	0.00	15	0	0.00							2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	15	0	0.00							2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0327

NPS Station ID: SACN0327 LAT/LON: 44.955559/ -92.758337 Agency: 11EPALES Date Created: / /
Location: ST CROIX LAKE FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 27A702
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 75 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030005003 RF1 Mile Point: 10.050 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005000300.00 RF3 Mile Point: 1.18 Distance from RF3: 0.18 On/Off RF3:
Description:
100 YDS EAST OF FIRST BLACK NAVIGATION BUOY SOUTH OF I-94 BRIDGE.
USGS MAP: HUDSON QUAD.

Parameter Inventory for Station: SACN0327

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	16	19.8	15.831	22.8	6.4	43.536	6.598	6.4	6.425	19.9	21.12
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	13	77.	74.538	78.	68.	17.269	4.156	68.4	70.	78.	78.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	3	36.	43.333	58.	36.	161.333	12.702	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	18	137.5	155.889	212.	120.	1612.81	40.16	120.	121.	208.5	210.2
00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	16	5.85	7.35	10.8	4.6	5.701	2.388	5.09	5.4	10.15	10.66
00400	PH (STANDARD UNITS)	06/28/72-11/04/72	17	7.2	7.319	7.6	7.15	0.028	0.167	7.19	7.2	7.5	7.6
00400	CONVERTED PH (STANDARD UNITS)	06/28/72-11/04/72	17	7.2	7.292	7.6	7.15	0.029	0.169	7.19	7.2	7.5	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/72-11/04/72	17	0.063	0.051	0.071	0.025	0.	0.017	0.025	0.032	0.063	0.065
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	17	56.	64.235	79.	51.	143.316	11.971	51.8	53.	77.	78.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	17	0.17	0.134	0.2	0.05	0.003	0.055	0.066	0.08	0.18	0.192
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	17	0.23	0.211	0.24	0.04	0.002	0.047	0.16	0.2	0.24	0.24
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	17	0.068	0.054	0.075	0.03	0.	0.019	0.03	0.031	0.071	0.074
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	17	0.038	0.032	0.047	0.015	0.	0.012	0.016	0.018	0.043	0.045

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0327

				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	16	0	0.00	13	0	0.00							3	0	0.00
00400	PH	Other-Hi Lim.	9.	17	0	0.00	15	0	0.00							2	0	0.00
		Other-Lo Lim.	6.5	17	0	0.00	15	0	0.00							2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	15	0	0.00							2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0328

NPS Station ID: SACN0328 LAT/LON: 44.747226/ -92.758337 Agency: 21WIDNR Date Created: 08/08/78
Location: MISSISSIPPI RIVER AT PRESCOT FIPS State/County: 55093 WISCONSIN/PIERCE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 001
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07040001 Depth of Water: 999 Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER Elevation: 0 Water Body Id:
Minor Basin: LOWER PORTION UPPER MISSISSIPPI RIVER ECO Region:
RF1 Index: 07040001 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07040001021300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
DATA FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES FISH SAMPLING PROGRAMS FOR MERCURY, PCBS, AND PESTICIDES
SAMPLE TAKEN FROM MISSISSIPPI RIVER AT PRESCOTT

Parameter Inventory for Station: SACN0328

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00024	SAMPLE LENGTH IN INCHES	08/01/70-07/01/75	58	15.45	15.448	30.6	5.5	22.305	4.723	9.56	11.25	18.75	20.6
39105	PERCENT FAT HEXANE EXTRACTION	08/01/70-07/01/75	58	2.9	4.776	15.	0.1	18.978	4.356	0.29	0.775	8.025	11.33
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/01/70-07/01/75	58	7.4	11.145	50.3	0.1	143.595	11.983	0.96	3.625	12.2	33.5
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/01/70-07/01/75	58	1.	1.138	4.	1.	0.332	0.576	1.	1.	1.	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0329

NPS Station ID: SACN0329 | LAT/LON: 44.726392/ -92.760281 | Agency: 1115T030 | Date Created: / /
Location: U M 808.5 | FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 260085
RMI-Indexes: 1021500 | Within Park Boundary: No
RMI-Miles: 1762.30
HUC: 07040001 | Depth of Water: 999 | Aquifer:
Major Basin: UPPER MISSISSIPPI | Elevation: 0 | Water Body Id:
Minor Basin: MISSISSIPPI RIVER | ECO Region:
RF1 Index: 07040001011 | RF1 Mile Point: 0.710 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 07010206111200.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.01 | On/Off RF3:
Description:
UPPER MISSISSIPPI RIVER 5.5 MILES DOWNSTREAM FROM HASTINGS. PURPOSE-SAMPLED IN SUPPORT OF TWIN CITY UPPER MISSISSIPPI ENFORCEMENT AND RIVER MODELING VERIFICATION TYPE OF SAMPLING-GRAB
FREQUENCY OF SAMPLING-INFREQUENT

Parameter Inventory for Station: SACN0329

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/24/65-02/26/65	45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	02/24/65-02/26/65	44	6.	6.034	7.5	5.	0.137	0.37	5.8	5.8	6.2	6.35
00310	BOD, 5 DAY, 20 DEG C MG/L	02/24/65-02/26/65	2	2.6	2.6	3.9	1.3	3.38	1.838	**	**	**	**
00400	PH (STANDARD UNITS)	02/24/65-02/26/65	10	7.675	7.675	7.85	7.5	0.01	0.101	7.51	7.6	7.725	7.845
00400	CONVERTED PH (STANDARD UNITS)	02/24/65-02/26/65	10	7.674	7.665	7.85	7.5	0.01	0.101	7.51	7.6	7.725	7.845
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/24/65-02/26/65	10	0.021	0.022	0.032	0.014	0.	0.005	0.014	0.019	0.025	0.031
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/24/65-02/26/65	10	7.5	9.3	18.	3.	30.233	5.498	3.1	4.75	15.5	17.9
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/24/65-02/26/65	10	5.	4.6	7.	1.	3.156	1.776	1.2	3.75	5.5	7.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/24/65-02/26/65	10	0.12	0.182	0.51	0.	0.029	0.169	0.004	0.055	0.285	0.501
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/65-02/26/65	10	1.575	1.529	1.71	1.33	0.017	0.129	1.335	1.403	1.63	1.702
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/24/65-02/26/65	10	0.17	0.178	0.27	0.	0.007	0.084	0.01	0.145	0.253	0.269
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/24/65-02/26/65	10	9400.	18040.	79000.	2400.	548149333.333	23412.589	2490.	4500.	21600.	74580.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/24/65-02/26/65	10	3.968	4.016	4.898	3.38	0.213	0.461	3.394	3.647	4.312	4.862
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			10369.913								
31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	02/24/65-02/26/65	10	3000.	5120.	17000.	1100.	23224000.	4819.129	1160.	2150.	7900.	16090.
31617	LOG FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 316	02/24/65-02/26/65	10	3.475	3.568	4.23	3.041	0.129	0.359	3.06	3.329	3.898	4.197
31617	GM FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 3161	GEOMETRIC MEAN =			3697.905								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	02/24/65-02/26/65	4	532.5	557.5	800.	365.	32375.	179.931	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	02/24/65-02/26/65	4	2.726	2.73	2.903	2.562	0.019	0.139	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			536.418								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0329

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	44	0	0.00				44	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0329

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	10	0	0.00				10	0	0.00						
		Other-Lo Lim.	6.5	10	0	0.00				10	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00				10	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	10	10	1.00				10	10	1.00						
31617	FECAL COLIFORM, MPN, EIJKMAN TEST, 44.5C	Other-Hi Lim.	200.	10	10	1.00				10	10	1.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0330

NPS Station ID: SACN0330
LAT/LON: 45.823059/ -92.761949
Agency: 21MINN
Date Created: 02/12/94
Location: ST CROIX R AT SNAKE R MOUTH
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): SC125 /SC-92
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST CROIX RIVER
ECO Region:
RF1 Index: 07030001001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST. CROIX RIVER T39NR19WS31 PINE COUNTY Fish were collected by the Minnesota Department of Natural Resources for analysis of toxics in tissue.

Parameter Inventory for Station: SACN0330

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/26/91-09/26/91	2	2.3	2.3	4.4	0.2	8.82	2.97	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/26/91-09/26/91	2	13.2	13.2	20.5	5.9	106.58	10.324	**	**	**	**
04263	INVALID PARAMETER	09/26/91-09/26/91	2	910930.	910930.	910930.	910930.	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	09/26/91-09/26/91	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	09/26/91-09/26/91	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	09/26/91-09/26/91	2	3.05	3.05	5.8	0.3	15.125	3.889	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/26/91-09/26/91	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/26/91-09/26/91	2	0.195	0.195	0.23	0.16	0.002	0.049	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/26/91-09/26/91	2	2.5	2.5	4.	1.	4.5	2.121	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0331

NPS Station ID: SACN0331
LAT/LON: 45.823059/ -92.761949
Agency: 21MINNQ
Date Created: 09/17/94
Location: ST CROIX R AT SNAKE R MOUTH
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): SC125 /SC-92
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030001
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST CROIX RIVER
ECO Region:
RF1 Index: 07030001001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST. CROIX RIVER T39NR19WS31 PINE COUNTY Fish were collected by the Minnesota Department of Natural Resources for analysis of toxics in tissue.

Parameter Inventory for Station: SACN0331

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0332

NPS Station ID: SACN0332
LAT/LON: 44.988337/ -92.762365
Agency: 21WIS
Date Created: / /
Location: MALLALIEU LAKE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 563121 /6270RA563121/AM32920W
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 17
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005007
RF1 Mile Point: 0.410
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000402.47
RF3 Mile Point: 2.81
Distance from RF3: 0.22
On/Off RF3:
Description:
MALLALIEU LAKE AT GREATEST DEPTH.

Parameter Inventory for Station: SACN0332

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/91-09/12/91	6	19.75	20.75	25.	18.	10.375	3.221	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/73-02/09/75	15	49.	51.467	77.5	35.	255.41	15.982	35.3	36.5	68.	75.1
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/12/73-02/09/75	9	26.	33.444	78.	15.	480.278	21.915	15.	15.	50.	78.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/12/73-02/09/75	16	3.3	4.613	14.5	1.3	12.145	3.485	1.37	1.675	6.8	9.74
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/12/73-10/08/74	6	36.	37.333	56.	28.	96.267	9.812	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/73-02/09/75	16	287.	295.313	364.	211.	2001.829	44.742	234.8	264.25	342.5	357.7
00300	OXYGEN, DISSOLVED MG/L	09/12/73-09/12/91	23	10.7	10.613	18.	2.	19.398	4.404	3.26	7.7	14.5	16.98
00400	PH (STANDARD UNITS)	06/25/91-09/12/91	6	8.1	7.983	8.8	7.	0.766	0.875	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/25/91-09/12/91	6	7.774	7.443	8.8	7.	1.116	1.056	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/91-09/12/91	6	0.017	0.036	0.1	0.002	0.002	0.044	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/73-08/29/91	19	8.2	8.274	9.	7.5	0.173	0.416	7.7	8.1	8.6	9.
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/73-08/29/91	19	8.2	8.098	9.	7.5	0.206	0.454	7.7	8.1	8.6	9.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/73-08/29/91	19	0.006	0.008	0.032	0.001	0.	0.008	0.001	0.003	0.008	0.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/12/73-02/09/75	16	153.	147.25	174.	108.	548.467	23.419	108.7	126.25	169.75	173.3
00600	NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/09/75	16	1.925	1.921	3.29	0.91	0.411	0.641	0.924	1.623	2.22	2.94
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/12/73-02/09/75	16	0.765	0.713	1.31	0.14	0.193	0.439	0.14	0.183	1.13	1.233
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/12/73-09/12/91	21	0.07	0.212	1.91	0.	0.176	0.42	0.	0.013	0.24	0.606
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/09/75	16	0.02	0.021	0.042	0.003	0.	0.009	0.007	0.017	0.025	0.038
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/12/73-02/09/75	16	0.515	0.922	2.25	0.06	0.604	0.777	0.123	0.2	1.763	2.061
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/91-09/12/91	5	1.	0.98	1.2	0.8	0.022	0.148	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/91-09/12/91	5	0.6	0.62	0.9	0.3	0.057	0.239	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-09/12/91	32	0.08	0.1	0.29	0.017	0.006	0.077	0.034	0.05	0.099	0.28
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/25/91-08/29/91	4	0.008	0.009	0.014	0.006	0.	0.003	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/12/73-02/09/75	14	34.5	41.793	66.	15.	270.062	16.434	21.5	29.825	59.3	64.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/12/73-02/09/75	14	23.5	25.221	43.	12.	142.751	11.948	12.	13.45	37.75	41.65
00929	SODIUM, TOTAL (MG/L AS NA)	09/12/73-02/09/75	14	4.9	4.129	8.	0.	5.491	2.343	0.	2.75	5.25	7.5
00937	POTASSIUM, TOTAL MG/L AS K)	09/12/73-02/09/75	14	2.3	2.514	5.2	0.	2.458	1.568	0.35	1.075	3.675	5.
00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/73-02/09/75	16	5.	5.625	8.	4.	1.05	1.025	4.7	5.	6.	7.3
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/73-02/09/75	16	11.	10.75	15.	7.	6.467	2.543	7.7	8.25	11.75	15.
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/16/93-07/16/93	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/16/93-07/16/93	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/16/93-07/16/93	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	07/16/93-07/16/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/25/91-09/12/91	4 ##	5.	81.25	310.	5.	23256.25	152.5	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/25/91-09/12/91	4 ##	0.699	1.147	2.491	0.699	0.803	0.896	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			14.03								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0332

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/25/91-09/12/91	5	58.	69.6	123.	12.	1958.3	44.253	**	**	**	**
61509	ZINC SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**
61515	NICKEL SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	1	17.	17.	17.	17.	0.	0.	**	**	**	**
61521	ARSENIC SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	07/16/93-07/16/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/12/73-02/09/75	16	0.027	0.04	0.184	0.011	0.002	0.042	0.011	0.019	0.05	0.1
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/16/93-07/16/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
78934	PCB 1242/1254, WATER, WHOLE UG/L	07/16/93-07/16/93	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	07/16/93-07/16/93	1	49300.	49300.	49300.	49300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0332

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	16	0	0.00	6	0	0.00	5	0	0.00				5	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	23	3	0.13	11	1	0.09	5	0	0.00				7	2	0.29
00400	PH	Other-Hi Lim.	9.	6	0	0.00	3	0	0.00							3	0	0.00
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00							3	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	19	2	0.11	7	1	0.14	5	0	0.00				7	1	0.14
		Other-Lo Lim.	6.5	19	0	0.00	7	0	0.00	5	0	0.00				7	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	16	0	0.00	6	0	0.00	5	0	0.00				5	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	16	0	0.00	6	0	0.00	5	0	0.00				5	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	5	0	0.00	2	0	0.00							3	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	16	0	0.00	6	0	0.00	5	0	0.00				5	0	0.00
		Drinking Water	250.	16	0	0.00	6	0	0.00	5	0	0.00				5	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	16	0	0.00	6	0	0.00	5	0	0.00				5	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	1	0.25	2	1	0.50							2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0332

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/12/73-09/12/91	11	11.6	11.055	16.8	3.5	17.959	4.238	4.34	7.7	15.3	16.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-09/12/91	14	0.065	0.125	0.29	0.017	0.012	0.109	0.024	0.046	0.28	0.285

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0332

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/12/73-09/12/91	5	10.	10.06	10.8	9.	0.538	0.733	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-09/12/91	5	0.07	0.07	0.1	0.04	0.001	0.025	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0332

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/12/73-09/12/91	7	11.5	10.314	18.	2.	40.118	6.334	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/73-09/12/91	13	0.08	0.084	0.16	0.04	0.001	0.03	0.044	0.066	0.095	0.14

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0333

NPS Station ID: SACN0333
LAT/LON: 44.988337/ -92.762365
Agency: 21WIL
Date Created: 08/29/92
Location: MALLALIEU LAKE
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 564006 /6270RA564006/AM32920W
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 17
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005007
RF1 Mile Point: 0.410
Distance from RF1: 4.50
On/Off RF1: ON
RF3 Index: 07030005000802.40
RF3 Mile Point: 3.17
Distance from RF3: 0.28
On/Off RF3:
Description:
MALLALIEU LAKE AT GREATEST DEPTH.
BUREAU OF RESEARCH R LILLIE RANDOM LAKE SURVEY

Parameter Inventory for Station: SACN0333

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/28/79-08/28/79	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00032	CLOUD COVER (PERCENT)	08/28/79-08/28/79	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/79-08/28/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/28/79-08/28/79	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/79-08/28/79	1	326.	326.	326.	326.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/28/79-08/28/79	1	15.1	15.1	15.1	15.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/28/79-08/28/79	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/28/79-08/28/79	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/79-08/28/79	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/79-08/28/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/28/79-08/28/79	1	1.82	1.82	1.82	1.82	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/28/79-08/28/79	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/28/79-08/28/79	1	1.36	1.36	1.36	1.36	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/79-08/28/79	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/28/79-08/28/79	1	0.017	0.017	0.017	0.017	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/79-08/28/79	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/79-08/28/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/28/79-08/28/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/28/79-08/28/79	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/79-08/28/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/28/79-08/28/79	1	90.	90.	90.	90.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	08/28/79-08/28/79	1	19.43	19.43	19.43	19.43	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	08/28/79-08/28/79	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0333

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0333

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0334

NPS Station ID: SACN0334
LAT/LON: 45.762504/ -92.763892
Agency: 21WIS
Date Created: 08/28/82
Location: WOOD R 1 MI ABOVE ST CROIX RIV
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 073030 /8270AC073030/3819W193030
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 2
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005027
RF1 Mile Point: 0.850
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005003600.00
RF3 Mile Point: 4.03
Distance from RF3: 0.00
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 WOOD RIVER @ TWN RD X-ING IN SEC 19, T38N, R19W. BIOTIC INDEX SURVEY (NON-POINT) SAMPLING SITE 1979. SAMPLED DOWNSTREAM FROM RD IN 2 FT. DEPTH. APPROX 1 MI UPSTREAM FROM CONFLUENCE WITH ST CROIX RIV.

Parameter Inventory for Station: SACN0334

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0335

NPS Station ID: SACN0335
LAT/LON: 45.780170/ -92.764503
Agency: 21WITIS
Date Created: 12/03/94
Location: ST CROIX RIVER 09 AT HWY 70
FIPS State/County: 55013 WISCONSIN/BURNETT
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 075023 /8270MA075023/3819W185023
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JAMES F AMRHEIN OF MADISON (608)266-5325

Parameter Inventory for Station: SACN0335

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0336

NPS Station ID: SACN0336
LAT/LON: 45.823337/ -92.765004
Agency: 21MINN
Date Created: / /
Location: SNAKE R. AT MOUTH E OF PINE CITY
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): SCSN--0BB-14A67/@SSGWJ-0131 /SN-0
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030004
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX
ECO Region:
RF1 Index: 07030004001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030005002604.99
RF3 Mile Point: 6.42
Distance from RF3: 0.03
On/Off RF3:
Description:
SNAKE RIVER, WADING SAMPLE AT MOUTH, 10 MILES EAST OF PINE CITY, MINN; ST. CROIX RIVER BASIN T 38 N R19 W S 2 PINE COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1967-71

Parameter Inventory for Station: SACN0336

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/12/67-06/25/71	38	53.5	52.947	81.	32.	289.619	17.018	32.	32.	69.75	75.2
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/12/67-12/19/68	14	10.	9.186	15.	1.	16.644	4.08	1.55	7.125	11.75	14.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/21/69-06/25/71	25	3.3	3.808	8.	1.7	2.652	1.629	2.18	2.55	5.05	6.54
00080	COLOR (PLATINUM-COBALT UNITS)	06/12/67-06/25/71	39	80.	74.744	200.	10.	2317.038	48.136	20.	25.	100.	140.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-06/25/71	39	200.	197.692	380.	93.	4022.377	63.422	120.	150.	230.	290.
00300	OXYGEN, DISSOLVED MG/L	06/12/67-06/25/71	39	9.8	10.097	14.5	7.3	4.136	2.034	7.5	8.5	12.1	13.2
00310	BOD, 5 DAY, 20 DEG C MG/L	06/12/67-06/25/71	39	2.2	2.304	4.8	0.25	1.121	1.059	1.1	1.5	3.	3.7
00400	PH (STANDARD UNITS)	06/12/67-06/25/71	39	7.7	7.764	8.7	7.1	0.206	0.454	7.1	7.4	8.2	8.4
00400	CONVERTED PH (STANDARD UNITS)	06/12/67-06/25/71	39	7.7	7.57	8.7	7.1	0.245	0.495	7.1	7.4	8.2	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/67-06/25/71	39	0.02	0.027	0.079	0.002	0.001	0.023	0.004	0.006	0.04	0.079
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/12/67-06/25/71	39	94.	99.385	170.	38.	1198.348	34.617	50.	74.	130.	150.
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	09/24/69-09/24/69	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/12/67-06/25/71	39	150.	154.154	240.	92.	1118.186	33.439	110.	130.	170.	190.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/12/67-06/25/71	39	69.	72.436	160.	17.	741.779	27.236	43.	53.	81.	120.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/12/67-06/25/71	39	7.	8.256	39.	1.	51.038	7.144	2.	4.	9.	18.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/12/67-06/25/71	39	4.	3.733	7.	0.6	3.1	1.761	2.	2.	5.	6.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/24/69-09/25/70	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-06/25/71	39	0.96	0.938	1.5	0.15	0.095	0.308	0.51	0.73	1.2	1.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/12/67-06/25/71	39 ##	0.1	0.128	0.33	0.1	0.004	0.059	0.1	0.1	0.1	0.23
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/12/67-06/25/71	39 ##	0.01	0.018	0.04	0.01	0.	0.01	0.01	0.01	0.02	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/12/67-06/25/71	39	0.13	0.231	1.	0.01	0.047	0.218	0.05	0.08	0.38	0.51
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/12/67-06/25/71	39	0.1	0.104	0.38	0.03	0.004	0.061	0.04	0.07	0.13	0.16
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/69-09/25/70	2 ##	0.015	0.015	0.025	0.005	0.	0.014	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	09/24/69-09/24/69	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-06/25/71	39	100.	105.949	180.	48.	1095.892	33.104	58.	80.	130.	150.
00910	CALCIUM (MG/L AS CACO3)	09/24/69-09/25/70	2	91.	91.	110.	72.	722.	26.87	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	09/24/69-09/25/70	2	59.	59.	88.	30.	1682.	41.012	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-09/25/70	2	5.7	5.7	6.	5.4	0.18	0.424	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/24/69-09/25/70	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/12/67-06/25/71	39	3.	3.064	8.	0.5	3.266	1.807	0.5	2.	4.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/69-09/25/70	2	8.5	8.5	9.	8.	0.5	0.707	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-09/25/70	2 ##	0.115	0.115	0.18	0.05	0.008	0.092	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/24/69-09/25/70	2	3.25	3.25	4.	2.5	1.125	1.061	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0336

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002	ARSENIC, TOTAL (UG/L AS AS)	08/28/70-06/25/71	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01007	BARIUM, TOTAL (UG/L AS BA)	09/24/69-09/25/70	2 ##	17.5	17.5	25.	10.	112.5	10.607	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/24/69-09/25/70	2	30.	30.	40.	20.	200.	14.142	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/25/71	27 ##	5.	5.37	10.	5.	1.781	1.334	5.	5.	5.	6.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/24/69-09/25/70	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/24/69-09/25/70	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/25/71	27 ##	5.	12.778	120.	5.	619.872	24.897	5.	5.	5.	30.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/25/71	27	330.	439.704	1500.	10.	176198.063	419.76	10.	60.	770.	964.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-04/23/71	25 ##	5.	7.	20.	5.	25.	5.	5.	5.	5.	20.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/25/71	26	91.	101.423	240.	10.	3797.374	61.623	30.	53.75	152.5	195.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/25/71	27 ##	5.	5.741	20.	5.	9.046	3.008	5.	5.	5.	6.
01077	SILVER, TOTAL (UG/L AS AG)	09/24/69-09/25/70	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/25/71	26 ##	7.5	49.077	1000.	5.	37715.114	194.204	5.	5.	14.25	40.
01147	SELENIUM, TOTAL (UG/L AS SE)	09/24/69-06/25/71	8 ##	5.	4.688	5.	2.5	0.781	0.884	**	**	**	**
01501	ALPHA, TOTAL	09/25/70-09/25/70	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01502	ALPHA, TOTAL, COUNTING ERROR	09/25/70-09/25/70	1	2.	2.	2.	2.	0.	0.	**	**	**	**
03501	BETA, TOTAL	09/25/70-09/25/70	1	9.	9.	9.	9.	0.	0.	**	**	**	**
03502	BETA, TOTAL, COUNTING ERROR	09/25/70-09/25/70	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/12/67-06/25/71	39	170.	572.564	3500.	20.	772582.726	878.967	40.	110.	790.	1300.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/12/67-06/25/71	39	2.23	2.394	3.544	1.301	0.33	0.574	1.602	2.041	2.898	3.114
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			247.78								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/67-06/25/71	39	20.	40.513	230.	10.	2789.204	52.813	10.	10.	50.	110.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/67-06/25/71	39	1.301	1.388	2.362	1.	0.163	0.404	1.	1.	1.699	2.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			24.409								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/24/69-09/25/70	2	85.	85.	140.	30.	6050.	77.782	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/24/69-09/25/70	2	1.812	1.812	2.146	1.477	0.224	0.473	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			64.807								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/24/69-09/25/70	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/12/67-06/25/71	39 ##	0.05	0.129	0.67	0.05	0.024	0.156	0.05	0.05	0.11	0.45
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/11/67-09/24/69	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-06/25/71	11 ##	0.05	0.082	0.2	0.05	0.002	0.046	0.05	0.05	0.1	0.18

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0336

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	25	0	0.00	8	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	39	0	0.00	14	0	0.00	9	0	0.00	2	0	0.00	14	0	0.00
00400	PH	Other-Hi Lim.	9.	39	0	0.00	14	0	0.00	9	0	0.00	2	0	0.00	14	0	0.00
		Other-Lo Lim.	6.5	39	0	0.00	14	0	0.00	9	0	0.00	2	0	0.00	14	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	39	0	0.00	14	0	0.00	9	0	0.00	2	0	0.00	14	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	39	0	0.00	14	0	0.00	9	0	0.00	2	0	0.00	14	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1 &	0	0.00	1	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	39	0	0.00	14	0	0.00	9	0	0.00	2	0	0.00	14	0	0.00
		Drinking Water	250.	39	0	0.00	14	0	0.00	9	0	0.00	2	0	0.00	14	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	10	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
		Drinking Water	50.	10	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2 &	2	1.00	1	1	1.00							1	1	1.00
		Drinking Water	5.	2 &	2	1.00	1	1	1.00							1	1	1.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	27	3	0.11	9	2	0.22	7	0	0.00	1	0	0.00	10	1	0.10
		Drinking Water	1300.	27	0	0.00	9	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0336

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	25	0	0.00	9	0	0.00	7	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	15.	25	3	0.12	9	2	0.22	7	1	0.14	1	0	0.00	8	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	27	0	0.00	9	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00
		Drinking Water	100.	27	0	0.00	9	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	26	1	0.04	9	0	0.00	6	1	0.17	1	0	0.00	10	0	0.00
		Drinking Water	5000.	26	0	0.00	9	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	8	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00
		Drinking Water	50.	8	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	39	5	0.13	14	2	0.14	9	1	0.11	2	0	0.00	14	2	0.14
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	39	2	0.05	14	1	0.07	9	0	0.00	2	0	0.00	14	1	0.07
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	1	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	11	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00
		Drinking Water	2.	11	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0337

NPS Station ID: SACN0337
LAT/LON: 45.823337/ -92.765004
Agency: 21MINNQ
Date Created: 09/17/94
Location: SNAKE R. AT MOUTH E OF PINE CITY
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): SCSN--0BB-14A67/@SSGWJ-0131 /SN-0
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030004
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX
ECO Region:
RF1 Index: 07030004001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
SNAKE RIVER, WADING SAMPLE AT MOUTH, 10 MILES EAST OF PINE CITY, MINN; ST. CROIX RIVER BASIN T 38 N R19 W S 2 PINE COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1967-71

Parameter Inventory for Station: SACN0337

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0338

NPS Station ID: SACN0338
LAT/LON: 45.202781/ -92.765281
Agency: 112WRD
Date Created: / /
Location: ST. CROIX RIVER AT MARINE ON ST. CROIX, MN
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05340600
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005018
RF1 Mile Point: 4.280
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07010206072700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0338

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/73-09/25/74	11	1.	9.273	23.	0.	112.418	10.603	0.	0.	21.	23.
00060	FLOW, STREAM, MEAN DAILY CFS	11/06/73-04/03/74	6	2870.	2598.333	3890.	700.	1466296.667	1210.907	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/06/73-09/25/74	11	2570.	2644.545	4900.	700.	1583967.273	1258.558	900.	1700.	3560.	4698.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/06/73-09/25/74	11	3.	2.909	5.	1.	1.691	1.3	1.2	2.	4.	5.
00080	COLOR (PLATINUM-COBALT UNITS)	11/06/73-09/25/74	11	30.	40.	70.	10.	420.	20.494	14.	30.	70.	70.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/73-09/25/74	11	184.	176.545	200.	132.	472.273	21.732	135.6	158.	190.	200.
00300	OXYGEN, DISSOLVED MG/L	11/06/73-09/25/74	11	9.4	9.991	13.	6.8	4.931	2.221	7.04	8.1	12.5	12.92
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/06/73-09/25/74	11	90.	85.636	101.	60.	151.255	12.299	61.6	77.	91.	100.
00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-08/06/75	11	1.8	1.936	5.6	0.3	1.945	1.394	0.44	1.2	2.2	5.04
00400	PH (STANDARD UNITS)	11/06/73-09/25/74	11	7.7	7.727	8.3	7.2	0.09	0.3	7.26	7.5	7.9	8.26
00400	CONVERTED PH (STANDARD UNITS)	11/06/73-09/25/74	11	7.7	7.639	8.3	7.2	0.099	0.314	7.26	7.5	7.9	8.26
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/73-09/25/74	11	0.02	0.023	0.063	0.005	0.	0.016	0.006	0.013	0.032	0.057
00405	CARBON DIOXIDE (MG/L AS CO2)	11/06/73-09/25/74	11	3.2	3.5	7.4	0.9	3.614	1.901	1.02	2.2	4.6	7.06
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/73-09/25/74	11	87.	82.727	95.	60.	123.418	11.109	62.	74.	93.	94.8
00440	BICARBONATE ION (MG/L AS HCO3)	11/06/73-09/25/74	11	106.	100.636	116.	73.	183.055	13.53	75.4	90.	113.	115.6
00445	CARBONATE ION (MG/L AS CO3)	11/06/73-04/03/74	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	11/06/73-09/25/74	11	1.1	1.307	2.2	0.76	0.233	0.483	0.78	0.86	1.7	2.14
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/06/73-09/25/74	11	0.69	0.685	1.4	0.12	0.162	0.402	0.134	0.31	0.94	1.36
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/06/73-09/25/74	11	0.14	0.132	0.32	0.005	0.009	0.092	0.005	0.07	0.19	0.298
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/73-09/25/74	11	0.21	0.232	0.45	0.04	0.019	0.136	0.05	0.14	0.4	0.442
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/06/73-09/25/74	11	0.01	0.008	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/06/73-09/25/74	11	0.31	0.304	0.59	0.01	0.033	0.181	0.03	0.17	0.42	0.578
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/06/73-09/25/74	11	0.78	0.912	1.8	0.33	0.202	0.449	0.358	0.57	1.2	1.72
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/06/73-09/25/74	11	0.4	0.4	0.95	0.12	0.049	0.221	0.138	0.23	0.45	0.87
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/06/73-09/25/74	11	0.3	0.302	0.6	0.02	0.031	0.176	0.036	0.2	0.4	0.58
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/16/74-03/06/74	2 ##	0.218	0.218	0.39	0.045	0.06	0.244	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/06/73-09/25/74	11	0.03	0.067	0.31	0.02	0.008	0.09	0.02	0.03	0.04	0.28
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/73-09/25/74	11	88.	88.182	100.	70.	102.764	10.137	71.2	80.	99.	99.8
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/73-09/25/74	11	6.	6.182	11.	0.	12.364	3.516	0.2	5.	9.	11.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/73-09/25/74	11	23.	23.364	28.	18.	8.455	2.908	18.6	21.	26.	27.6
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/73-09/25/74	11	7.3	7.309	8.2	5.8	0.707	0.841	5.88	6.6	8.2	8.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/06/73-09/25/74	11	3.5	4.8	19.	2.5	22.444	4.738	2.52	3.	4.	16.
00931	SODIUM ADSORPTION RATIO	11/06/73-09/25/74	11	0.2	0.236	0.9	0.1	0.051	0.225	0.1	0.1	0.2	0.76
00932	SODIUM, PERCENT	11/06/73-09/25/74	11	7.	9.636	32.	6.	55.655	7.46	6.2	7.	8.	27.4
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/73-09/25/74	11	1.2	1.155	1.6	0.7	0.055	0.234	0.74	1.1	1.2	1.56
00940	CHLORIDE,TOTAL IN WATER MG/L	11/06/73-09/25/74	11	3.	3.182	4.	2.	0.364	0.603	2.2	3.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/06/73-09/25/74	11	6.	6.273	7.	5.	0.618	0.786	5.	6.	7.	7.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/73-09/25/74	11	0.1	0.141	0.4	0.05	0.009	0.097	0.06	0.1	0.2	0.36

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0338

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/10/73-12/10/73	1	68.	68.	68.	68.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/10/73-12/10/73	1	1.833	1.833	1.833	1.833	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			68.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/73-08/06/75	10	70.	64.8	120.	4.	1321.956	36.359	4.4	44.	93.	117.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/73-08/06/75	10	1.845	1.66	2.079	0.602	0.244	0.494	0.632	1.537	1.968	2.069
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			45.75								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/31/74-08/06/75	4	8.	11.	28.	0.	142.667	11.944	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/31/74-08/06/75	4	0.903	0.813	1.447	0.	0.36	0.6	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			6.506								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/06/73-09/25/74	11	3.	4.818	20.	0.	36.164	6.014	0.	1.	8.	18.
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	11/06/73-09/25/74	11	10.	12.818	54.	4.	195.564	13.984	4.	6.	12.	45.8
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/73-09/25/74	11	111.	117.091	140.	97.	209.491	14.474	97.6	106.	129.	138.8
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/06/73-09/25/74	11	895.	820.455	1470.	253.	142667.873	377.714	301.6	509.	1060.	1432.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/06/73-09/25/74	11	0.15	0.159	0.19	0.13	0.	0.02	0.132	0.14	0.18	0.188
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/06/73-09/25/74	11	0.18	0.168	0.41	0.	0.014	0.12	0.	0.09	0.24	0.382
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/06/73-09/25/74	11	1.4	1.34	2.6	0.04	0.634	0.796	0.132	0.8	1.9	2.54
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/06/73-09/25/74	11	0.03	0.016	0.03	0.	0.	0.016	0.	0.	0.03	0.03
71887	NITROGEN, TOTAL, AS NO3 - MG/L	11/06/73-09/25/74	11	4.8	5.809	9.5	3.4	4.467	2.114	3.48	3.8	7.7	9.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0338

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------8/15-11/30---------- Obs	Exceed	Prop.	----------12/01-2/29---------- Obs	Exceed	Prop.	----------3/01-4/14---------- Obs	Exceed	Prop.	----------4/15-8/14---------- Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00400	PH	Other-Hi Lim.	9.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
		Other-Lo Lim.	6.5	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
		Drinking Water	250.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	11	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0339

NPS Station ID: SACN0339 LAT/LON: 45.182781/ -92.766116 Agency: 112WRD Date Created: 12/02/81
Location: ST. CROIX RIVER AT MARINE ON ST. CROIX, MN FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05340605
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07010206126100.00 RF3 Mile Point: 1.16 Distance from RF3: 0.67 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/81-07/20/83	3	21.	22.167	24.5	21.	4.083	2.021	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/20/83-07/20/83	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	08/17/82-08/17/82	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/21/81-08/21/81	1	4600.	4600.	4600.	4600.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/81-07/20/83	3	176.	178.667	185.	175.	30.333	5.508	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/21/81-07/20/83	3	7.9	7.733	8.4	6.9	0.583	0.764	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/21/81-08/17/82	2	95.	95.	98.	92.	18.	4.243	**	**	**	**
00400	PH (STANDARD UNITS)	08/21/81-07/20/83	2	7.305	7.305	7.5	7.11	0.076	0.276	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/21/81-07/20/83	2	7.263	7.263	7.5	7.11	0.08	0.282	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/81-07/20/83	2	0.055	0.055	0.078	0.032	0.001	0.033	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	08/21/81-08/21/81	1	0.91	0.91	0.91	0.91	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/21/81-08/21/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/81-07/20/83	3	0.07	0.052	0.08	0.005	0.002	0.041	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/21/81-07/20/83	3 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/81-07/20/83	3	0.68	0.66	0.8	0.5	0.023	0.151	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/81-07/20/83	3	0.23	0.193	0.3	0.05	0.017	0.129	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/81-07/20/83	3	0.04	0.04	0.05	0.03	0.	0.01	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/81-07/20/83	3	12.	11.733	17.	6.2	29.213	5.405	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/21/81-07/20/83	3	120.	107.667	150.	53.	2466.333	49.662	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	08/21/81-07/20/83	3	2.079	1.993	2.176	1.724	0.057	0.238	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			98.443								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/81-07/20/83	3	420.	480.	780.	240.	75600.	274.955	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/21/81-07/20/83	3	2.623	2.632	2.892	2.38	0.066	0.256	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			428.402								
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/21/81-07/20/83	3	0.12	0.12	0.15	0.09	0.001	0.03	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	08/21/81-08/21/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0339

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	2	0	0.00							1	0	0.00
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00							1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0339

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00							1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00							1	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	0	0.00	2	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0340

NPS Station ID: SACN0340
LAT/LON: 44.725004/ -92.766670
Agency: 31M&WPCB
Date Created: 05/26/78
Location: PRESCOTT
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): FMS-7
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07040001
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISSISSIPPI RIVER
ECO Region:
RF1 Index: 07040001011
RF1 Mile Point: 0.920
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206000101.12
RF3 Mile Point: 2.16
Distance from RF3: 0.15
On/Off RF3:
Description:
DATA FROM MINN-WISC PCB INTERAGENCY TASK FORCE REPORT "PCBS IN THE UPPER MISSISSIPPI RIVER BASIN"
FISH TISSUE SAMPLE
SAMPLE FROM MISSISSIPPI RIVER AT PRESCOTT

Parameter Inventory for Station: SACN0340

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/24/75-07/24/75	11	13.8	15.945	25.	8.7	26.107	5.109	8.88	13.3	20.3	24.38
00024	SAMPLE LENGTH IN INCHES	07/24/75-03/01/76	14	2.155	2.613	8.4	0.4	4.763	2.182	0.45	1.01	3.818	6.7
39105	PERCENT FAT HEXANE EXTRACTION	07/24/75-03/01/76	14	2.	3.486	14.3	0.2	14.846	3.853	0.25	1.45	5.4	10.95
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/24/75-03/01/76	14	2.75	3.653	9.8	0.08	11.818	3.438	0.22	0.4	6.875	9.7
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	03/01/76-03/01/76	3	4.	4.	6.	2.	4.	2.	**	**	**	**
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	03/01/76-03/01/76	3	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0341

NPS Station ID: SACN0341
LAT/LON: 44.966670/ -92.766670
Agency: 21WITIS
Date Created: 10/29/88
Location: ST CROIX 05 HUDSON
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): 565002 /6270MA565002
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 55
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 1.50
On/Off RF1:
RF3 Index: 07030005000800.41
RF3 Mile Point: 0.41
Distance from RF3: 0.04
On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXIC MONITORING FOR LEE LIEBENSTEIN
BUREAU OF WATER RESOURCES MANAGEMENT 608 266-0164

Parameter Inventory for Station: SACN0341

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/27/84-10/29/91	88	5.16	5.258	14.9	0.26	16.045	4.006	0.46	0.798	8.368	11.071
00024	SAMPLE LENGTH IN INCHES	09/27/84-10/29/91	88	22.	20.009	32.	4.5	46.954	6.852	10.18	12.	25.875	28.245
34690	PCB - 1254 WET WGTTISMG/KG	05/23/89-06/25/90	10	1.5	2.173	4.8	0.22	3.865	1.966	0.22	0.333	4.2	4.77
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	04/26/86-09/27/86	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	04/26/86-10/29/91	7 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	04/26/86-10/29/91	7 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	04/26/86-09/27/86	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	04/26/86-09/27/86	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	08/15/89-10/29/91	4 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	08/15/89-10/29/91	4 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	08/15/89-10/29/91	4 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	08/15/89-10/29/91	4 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	08/15/89-10/29/91	4 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	08/15/89-10/29/91	4 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	04/26/86-10/29/91	7 ##	0.01	0.011	0.02	0.01	0.	0.004	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/27/84-10/29/91	54	0.65	1.575	9.6	0.1	4.008	2.002	0.1	0.24	2.125	4.2
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/27/84-11/15/86	7	0.53	0.619	1.3	0.17	0.151	0.389	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	05/23/89-10/29/91	22	0.2	0.279	0.8	0.04	0.028	0.166	0.13	0.2	0.325	0.54
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	08/15/89-10/29/91	4 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	08/15/89-10/29/91	4 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	09/27/84-10/29/91	67	4.7	4.852	18.	0.3	13.153	3.627	0.556	1.9	7.	9.04
78929	PCB 1254/1260, TISSUE, WET WEIGHT MG/KG	10/29/91-10/29/91	3	0.08	0.077	0.1	0.05	0.001	0.025	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/14/86-10/29/91	49	1.	1.082	5.	1.	0.327	0.571	1.	1.	1.	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0341

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/27/84-10/29/91	37	3.2	4.327	13.05	0.37	16.823	4.102	0.62	0.68	7.23	11.854
00024	SAMPLE LENGTH IN INCHES	09/27/84-10/29/91	37	20.6	18.342	29.3	4.5	52.323	7.233	10.9	11.6	25.4	28.92
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/27/84-10/29/91	27	0.54	1.404	7.7	0.1	3.086	1.757	0.1	0.29	2.	4.02
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	09/27/84-10/29/91	30	4.15	4.076	10.	0.4	8.635	2.938	0.5	1.65	6.5	8.99

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0341

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/27/84-10/29/91	12	8.51	8.937	11.53	7.52	2.236	1.495	7.52	7.52	10.03	11.53
00024	SAMPLE LENGTH IN INCHES	09/27/84-10/29/91	12	25.95	25.083	28.	22.	5.554	2.357	22.	22.1	26.5	28.
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	09/27/84-10/29/91	6	7.7	7.95	12.	4.9	5.775	2.403	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0341

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/27/84-10/29/91	39	4.89	5.01	14.9	0.26	14.97	3.869	0.44	0.88	6.7	10.67
00024	SAMPLE LENGTH IN INCHES	09/27/84-10/29/91	39	21.2	20.028	32.	8.6	45.485	6.744	10.	13.	24.9	28.65
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/27/84-10/29/91	27	0.79	1.746	9.6	0.1	5.024	2.241	0.1	0.1	3.2	5.08
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	09/27/84-10/29/91	31	4.5	5.003	18.	0.3	17.082	4.133	0.78	1.6	7.	11.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0342

NPS Station ID: SACN0342
LAT/LON: 45.191670/ -92.766670
Agency: 31M&WPCB
Date Created: 05/26/78
Location: MARINE ON THE ST. CROIX
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): SC-1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX
ECO Region:
RF1 Index: 07030005018
RF1 Mile Point: 3.540
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005208100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
MISSISSIPPI RIVER BASIN"
SEDIMENT AND WATER SAMPLE
SAMPLE FROM ST. CROIX RIVER BELOW MARINE ON THE ST. CROIX

Parameter Inventory for Station: SACN0342

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0343

NPS Station ID: SACN0343
LAT/LON: 44.966670/ -92.766670
Agency: 11BIOACC
Date Created: 02/24/90
Location: ST CROIX RIVER @ HUDSON
FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 3110
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 7.90
On/Off RF1:
RF3 Index: 07030005000418.94
RF3 Mile Point: 20.08
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0343

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	04/26/86-04/26/86	1	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**
30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	04/26/86-04/26/86	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	04/26/86-04/26/86	1	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	04/26/86-04/26/86	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	04/26/86-04/26/86	1	2.64	2.64	2.64	2.64	0.	0.	**	**	**	**
30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	04/26/86-04/26/86	1	8.84	8.84	8.84	8.84	0.	0.	**	**	**	**
30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	04/26/86-04/26/86	1	0.74	0.74	0.74	0.74	0.	0.	**	**	**	**
30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	04/26/86-04/26/86	1 ##	1.405	1.405	1.405	1.405	0.	0.	**	**	**	**
30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	04/26/86-04/26/86	1 ##	1.37	1.37	1.37	1.37	0.	0.	**	**	**	**
30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	04/26/86-04/26/86	1	0.49	0.49	0.49	0.49	0.	0.	**	**	**	**
30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	04/26/86-04/26/86	1 ##	1.295	1.295	1.295	1.295	0.	0.	**	**	**	**
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	04/26/86-04/26/86	1 ##	0.835	0.835	0.835	0.835	0.	0.	**	**	**	**
38824	ISOPROPALIN TISWETWGTMG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	04/26/86-04/26/86	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	04/26/86-04/26/86	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	04/26/86-04/26/86	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	04/26/86-04/26/86	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1	0.159	0.159	0.159	0.159	0.	0.	**	**	**	**
39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1	0.807	0.807	0.807	0.807	0.	0.	**	**	**	**
39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	04/26/86-04/26/86	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	04/26/86-04/26/86	1	2.21	2.21	2.21	2.21	0.	0.	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	04/26/86-04/26/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
76530	BIPHENYL TISSUE ,WET WGT,MG/KG	04/26/86-04/26/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0343

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	04/26/86-04/26/86	1	0.71	0.71	0.71	0.71	0.	0.	**	**	**	**
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	04/26/86-04/26/86	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	04/26/86-04/26/86	1	1.804	1.804	1.804	1.804	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85682	NITROFEN TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85683	PERTHANE TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	04/26/86-04/26/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0344

NPS Station ID: SACN0344 | LAT/LON: 45.191670/ -92.766670 | Agency: 21MINNQ | Date Created: 09/17/94
Location: ST CROIX R AT MARINE-ON-ST CROIX | FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM/TISSUE | STORET Station ID(s): SC103 /@SSGWH-0353 /SC-31
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: MAJ BASIN: UPPER MISS | Elevation: 0 | Water Body Id:
Minor Basin: MIN BASIN: ST CROIX | ECO Region:
RF1 Index: 07030005018 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1: ON
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
ST. CROIX RIVER, AT MARINE-ON-ST. CROIX, MINNESOTA; ST. CROIX RIVER BASIN WASHINGTON COUNTY
FISH WERE COLLECTED FOR CONTAMINANT MONITORING BY THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES AND PROCESSED AND ANALYZED BY THE MINNESOTA POLLUTION CONTROL AGENCY.

Parameter Inventory for Station: SACN0344

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0345

NPS Station ID: SACN0345
LAT/LON: 45.191670/ -92.766670
Agency: 31M&WPCB
Date Created: 05/26/78
Location: MARINE-ON-ST. CROIX
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): FSC-1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX
ECO Region:
RF1 Index: 07030005018
RF1 Mile Point: 3.540
Distance from RF1: 10.00
On/Off RF1: OFF
RF3 Index: 07030003055700.00
RF3 Mile Point: 0.30
Distance from RF3: 0.23
On/Off RF3:
Description:
DATA FROM MINN-WISC PCB INTERAGENCY TASK FORCE REPORT "PCBS IN THE UPPER MISSISSIPPI RIVER BASIN"
FISH TISSUE SAMPLE
SAMPLE FROM ST. CROIX RIVER AT MARINE-ON-ST. CROIX

Parameter Inventory for Station: SACN0345

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/21/75-03/01/76	13	14.7	15.292	22.	9.3	14.931	3.864	10.02	12.4	18.65	21.2
00024	SAMPLE LENGTH IN INCHES	07/21/75-03/01/76	13	1.	1.669	4.9	0.5	1.882	1.372	0.54	0.8	2.2	4.54
39105	PERCENT FAT HEXANE EXTRACTION	07/21/75-03/01/76	14	1.55	1.7	5.8	0.1	2.745	1.657	0.1	0.275	2.55	4.8
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/21/75-03/01/76	14	0.3	0.787	3.6	0.04	1.17	1.082	0.055	0.095	1.173	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0346

NPS Station ID: SACN0346 | LAT/LON: 45.191670/ -92.766670 | Agency: 21MINN | Date Created: 03/24/84
Location: ST CROIX R AT MARINE-ON-ST CROIX | FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM/TISSUE | STORET Station ID(s): SC103 /@SSGWH-0353 /SC-31
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: MAJ BASIN: UPPER MISS | Elevation: 0 | Water Body Id:
Minor Basin: MIN BASIN: ST CROIX | ECO Region:
RF1 Index: 07030005018 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 07030005000305.04 | RF3 Mile Point: 5.03 | Distance from RF3: 0.15 | On/Off RF3:
Description:
ST. CROIX RIVER, AT MARINE-ON-ST. CROIX, MINNESOTA; ST. CROIX RIVER BASIN WASHINGTON COUNTY
FISH WERE COLLECTED FOR CONTAMINANT MONITORING BY THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES AND PROCESSED AND ANALYZED BY THE MINNESOTA POLLUTION CONTROL AGENCY.

Parameter Inventory for Station: SACN0346

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/21/75-11/05/86	31	2.2	3.068	8.9	0.4	6.78	2.604	0.6	0.9	4.9	7.68
00024	SAMPLE LENGTH IN INCHES	07/21/75-11/05/86	30	18.95	18.507	29.	9.3	30.862	5.555	11.1	12.8	22.375	26.95
34670	PCB - 1260 WET WGTTISMG/KG	07/26/85-07/26/85	5 ##	0.025	0.214	0.704	0.025	0.088	0.297	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	07/21/75-11/05/86	32	1.75	2.434	8.1	0.1	5.883	2.425	0.215	0.6	4.4	7.2
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	07/26/85-07/26/85	5 ##	25.	36.8	84.	25.	696.2	26.386	**	**	**	**
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	07/26/85-07/26/85	5	107.	1260.8	5240.	25.	5065416.2	2250.648	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/21/75-11/05/86	32	0.2	0.738	6.03	0.025	1.655	1.287	0.049	0.1	0.763	2.4
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/26/85-09/18/86	8	0.33	0.441	0.83	0.21	0.06	0.244	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/21/75-11/05/86	29	1.	1.828	13.	1.	5.791	2.406	1.	1.	1.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0347

NPS Station ID: SACN0347
LAT/LON: 44.908337/ -92.766670
Agency: 11EPALES
Date Created: / /
Location: VALLEY BRANCH STREAM
FIPS State/County: 27000 MINNESOTA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 27A7B1 /LS27A7B1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: T/LAKE ST CROIX
Elevation: 0
Water Body Id:
Minor Basin: ST HWY 95 BRDG BETW AFTON &ST MARYS PT
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 6.370
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005185600.00
RF3 Mile Point: 0.16
Distance from RF3: 0.31
On/Off RF3:
Description:
ST HWY 95 (#5673)BRDG BETWEEN AFTON & ST MARYS PT

Parameter Inventory for Station: SACN0347

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	13	0.021	0.048	0.32	0.007	0.007	0.083	0.009	0.014	0.048	0.213
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	13	0.01	0.011	0.02	0.007	0.	0.004	0.007	0.008	0.014	0.019
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	13	2.06	1.846	2.7	0.38	0.521	0.722	0.504	1.335	2.4	2.62
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	13	0.17	0.492	2.75	0.05	0.566	0.752	0.05	0.05	0.605	2.09
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	13	2.08	1.862	2.7	0.38	0.529	0.728	0.504	1.35	2.45	2.62
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	13	0.026	0.031	0.08	0.015	0.	0.016	0.017	0.021	0.038	0.064
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	13	0.014	0.018	0.06	0.003	0.	0.014	0.005	0.011	0.018	0.049

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0347

				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	13	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	13	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0348

NPS Station ID: SACN0348 | LAT/LON: 45.010837/ -92.766949 | Agency: 1115T030 | Date Created: / /
Location: SC 19.5 | | FIPS State/County: 27163 MINNESOTA/WASHINGTON |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): 260114 |
RMI-Indexes: 1021500 015940 | | Within Park Boundary: Yes |
RMI-Miles: 1765.10 0019.50 | | |
HUC: 07030005 | Depth of Water: 999 | Aquifer: |
Major Basin: UPPER MISSISSIPPI | Elevation: 0 | Water Body Id: |
Minor Basin: ST. CROIX RIVER | | ECO Region: |
RF1 Index: 07030005007 | RF1 Mile Point: 1.980 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 07030005000300.00 | RF3 Mile Point: 1.14 | Distance from RF3: 0.19 | On/Off RF3:

Description:
ST. CROIX RIVER, TRIBUTARY TO UPPER MISSISSIPPI RIVER, EAST OF BAYPORT. PURPOSE-SAMPLED IN SUPPORT OF TWIN CITY UPPER MISSISSIPPI ENFORCEMENT AND RIVER MODELING VERIFICATION TYPE OF SAMPLING-GRAB
FREQUENCY OF SAMPLING-INFREQUENT

Parameter Inventory for Station: SACN0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/64-08/26/64	45	20.	19.913	21.1	19.	0.162	0.403	19.26	19.8	20.1	20.2
00300	OXYGEN, DISSOLVED MG/L	08/24/64-08/26/64	54	6.65	6.537	7.8	4.	0.395	0.628	5.8	6.175	6.825	7.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0348

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	54	1	0.02	54	1	0.02									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0349

NPS Station ID: SACN0349
LAT/LON: 44.967781/ -92.767503
Agency: 1115T030
Date Created: / /
Location: SC 16.5
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 260103
RMI-Indexes: 1021500 015940
Within Park Boundary: Yes
RMI-Miles: 1765.10 0016.50
HUC: 07030005
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 11.280
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07010206072600.00
RF3 Mile Point: 0.17
Distance from RF3: 0.16
On/Off RF3:
Description:
ST. CROIX RIVER, TRIBUTARY TO UPPER MISSISSIPPI RIVER, 0.4 MILES UPSTREAM OF U.S. ROUTE 12.
PURPOSE-SAMPLED IN SUPPORT OF TWIN CITY UPPER MISSISSIPPI ENFORCEMENT AND RIVER MODELING VERIFICATION
TYPE OF SAMPLING-GRAB

Parameter Inventory for Station: SACN0349

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/64-09/16/65	87	19.5	19.722	27.8	14.7	9.475	3.078	15.6	18.7	20.1	24.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/21/64-09/15/65	7 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/23/64-09/16/65	80	7.9	7.789	9.5	3.2	1.818	1.348	7.01	7.325	8.6	9.1
00304	BOD, 2 DAY, 20 DEG C MG/L	09/08/65-09/16/65	9	0.7	0.878	1.6	0.5	0.124	0.353	0.5	0.6	1.1	1.6
00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/64-09/16/65	15	2.1	2.627	6.7	0.9	2.514	1.585	1.02	1.4	3.5	5.5
00400	PH (STANDARD UNITS)	09/08/65-09/16/65	5	8.	8.04	8.2	7.9	0.013	0.114	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/08/65-09/16/65	5	8.	8.028	8.2	7.9	0.013	0.115	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/08/65-09/16/65	5	0.01	0.009	0.013	0.006	0.	0.002	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/08/65-09/16/65	9	21.	20.111	30.	6.	66.361	8.146	6.	13.5	28.	30.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/08/65-09/16/65	9	9.	9.333	18.	3.	21.	4.583	3.	6.	12.5	18.
00600	NITROGEN, TOTAL (MG/L AS N)	07/23/64-07/23/64	1	1.27	1.27	1.27	1.27	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/23/64-09/15/65	16	0.605	0.72	1.81	0.06	0.329	0.574	0.062	0.203	1.158	1.649
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/64-09/16/65	21	0.26	0.275	0.74	0.	0.039	0.198	0.03	0.12	0.39	0.588
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/23/64-07/23/64	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/64-09/15/65	15	0.15	0.151	0.45	0.	0.015	0.121	0.012	0.02	0.21	0.342
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/23/64-09/15/65	11	0.19	0.191	0.41	0.07	0.011	0.104	0.07	0.08	0.25	0.382
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/28/64-09/15/65	13	0.09	0.108	0.32	0.	0.007	0.086	0.008	0.055	0.15	0.272
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/28/64-09/16/65	23	240.	367.522	1300.	23.	130202.17	360.835	39.4	80.	542.	1022.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/28/64-09/16/65	23	2.38	2.345	3.114	1.362	0.235	0.485	1.587	1.903	2.734	3.008
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			221.078								
31610	INVALID PARAMETER	07/28/64-07/28/64	1	34.	34.	34.	34.	0.	0.	**	**	**	**
31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	08/10/64-09/16/65	14	20.	41.357	380.	4.	9549.632	97.722	4.	9.5	22.25	201.5
31617	LOG FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 316	08/10/64-09/16/65	14	1.301	1.222	2.58	0.602	0.224	0.473	0.602	0.976	1.347	1.971
31617	GM FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 3161	GEOMETRIC MEAN =			16.684								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/24/64-08/24/64	8	6.	28.5	104.	0.	1551.714	39.392	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/24/64-08/24/64	8	0.778	0.882	2.017	0.	0.733	0.856	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			7.62								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0349

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	7	0	0.00	7	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	80	4	0.05	73	4	0.05							7	0	0.00
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00										1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	15	0	0.00	11	0	0.00							4	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	23	2	0.09	19	1	0.05							4	1	0.25
31617	FECAL COLIFORM, MPN, EIJKMAN TEST, 44.5C	Other-Hi Lim.	200.	14	1	0.07	11	0	0.00							3	1	0.33

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0350

NPS Station ID: SACN0350
LAT/LON: 44.851116/ -92.768337
Agency: 1115T030
Date Created: / /
Location: SC 8.0
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 260117
RMI-Indexes: 1021500 015940
Within Park Boundary: Yes
RMI-Miles: 1765.10 0008.00
HUC: 07030005
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 1.820
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.25
On/Off RF3:
Description:
ST. CROIX RIVER, TRIBUTARY TO UPPER MISSISSIPPI RIVER, 0.3 MILES UPSTREAM OF KINNICKINNIC RIVER.
PURPOSE-SAMPLED IN SUPPORT OF TWIN CITY UPPER MISSISSIPPI ENFORCEMENT AND RIVER MODELING VERIFICATION
TYPE OF SAMPLING-GRAB

Parameter Inventory for Station: SACN0350

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/09/65-09/16/65	15	18.4	19.027	26.5	16.5	7.666	2.769	16.68	17.5	19.	25.3
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/09/65-09/15/65	5 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/09/65-09/16/65	14	5.4	5.443	8.5	4.2	1.006	1.003	4.4	4.85	5.7	7.15
00304	BOD, 2 DAY, 20 DEG C MG/L	09/08/65-09/16/65	9	0.4	0.5	1.2	0.1	0.1	0.316	0.1	0.3	0.65	1.2
00310	BOD, 5 DAY, 20 DEG C MG/L	09/08/65-09/16/65	9	0.9	0.978	1.9	0.5	0.142	0.377	0.5	0.85	1.	1.9
00400	PH (STANDARD UNITS)	09/09/65-09/15/65	4	7.8	7.775	7.9	7.6	0.016	0.126	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/09/65-09/15/65	4	7.8	7.761	7.9	7.6	0.016	0.127	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/65-09/15/65	4	0.016	0.017	0.025	0.013	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/08/65-09/16/65	9	18.	17.778	39.	4.	94.194	9.705	4.	12.	21.5	39.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/08/65-09/16/65	9	9.	9.222	19.	3.	27.694	5.263	3.	4.	13.	19.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	08/09/65-09/15/65	10	0.56	0.537	0.98	0.05	0.092	0.304	0.053	0.358	0.765	0.972
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/09/65-09/16/65	15	0.13	0.15	0.75	0.	0.031	0.177	0.018	0.04	0.16	0.42
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/09/65-09/15/65	10	0.4	0.492	1.05	0.23	0.062	0.248	0.238	0.34	0.59	1.025
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/09/65-09/15/65	10	0.22	0.268	0.76	0.13	0.034	0.184	0.133	0.16	0.283	0.719
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/09/65-09/15/65	10	0.105	0.127	0.31	0.	0.01	0.101	0.003	0.045	0.225	0.303
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/08/65-09/16/65	9	79.	180.778	542.	5.	44631.944	211.263	5.	15.	404.	542.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	09/08/65-09/16/65	9	1.898	1.835	2.734	0.699	0.544	0.737	0.699	1.172	2.602	2.734
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			68.335								
31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	08/09/65-09/16/65	10	3.	8.3	49.	1.	212.9	14.591	1.	1.75	7.75	45.1
31617	LOG FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 316	08/09/65-09/16/65	10	0.452	0.574	1.69	0.	0.267	0.516	0.	0.226	0.884	1.621
31617	GM FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 3161	GEOMETRIC MEAN =			3.749								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0350

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	5	0	0.00	5	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	14	0	0.00	13	0	0.00							1	0	0.00
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	8	0	0.00							2	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	9	0	0.00	9	0	0.00									
31617	FECAL COLIFORM, MPN, EIJKMAN TEST, 44.5C	Other-Hi Lim.	200.	10	0	0.00	9	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0351

NPS Station ID: SACN0351 LAT/LON: 45.031115/ -92.768616 Agency: 11EPALES Date Created: / /
Location: ST CROIX LAKE FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 27A703
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 22 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030005007 RF1 Mile Point: 3.440 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005000305.80 RF3 Mile Point: 6.34 Distance from RF3: 0.08 On/Off RF3:
Description:
NAVIGATION BUOY DIRECTLY EAST OF NORTHERN STATES POWER STACK.
USGS MAP: STILLWATER QUAD.

Parameter Inventory for Station: SACN0351

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	9	18.2	15.378	26.	5.	59.347	7.704	5.	6.	20.4	26.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	7	74.	73.571	77.	68.	9.952	3.155	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	3	36.	39.667	47.	36.	40.333	6.351	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	11	135.	155.091	215.	120.	1796.291	42.383	120.	120.	205.	213.6
00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	9	7.4	8.033	10.6	6.1	4.078	2.019	6.1	6.25	10.6	10.6
00400	PH (STANDARD UNITS)	06/28/72-11/04/72	11	7.28	7.328	7.5	7.2	0.02	0.14	7.2	7.2	7.5	7.5
00400	CONVERTED PH (STANDARD UNITS)	06/28/72-11/04/72	11	7.28	7.309	7.5	7.2	0.02	0.142	7.2	7.2	7.5	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/72-11/04/72	11	0.052	0.049	0.063	0.032	0.	0.015	0.032	0.032	0.063	0.063
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	11	71.	63.182	76.	48.	159.764	12.64	48.2	49.	75.	76.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	11	0.13	0.111	0.16	0.05	0.002	0.039	0.052	0.06	0.14	0.156
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	11	0.2	0.196	0.25	0.06	0.004	0.067	0.064	0.19	0.25	0.25
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	11	0.06	0.06	0.092	0.027	0.001	0.027	0.027	0.029	0.087	0.091
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	11	0.036	0.036	0.055	0.014	0.	0.018	0.014	0.015	0.054	0.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0351

				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	9	0	0.00	7	0	0.00							2	0	0.00
00400	PH	Other-Hi Lim.	9.	11	0	0.00	9	0	0.00							2	0	0.00
		Other-Lo Lim.	6.5	11	0	0.00	9	0	0.00							2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	9	0	0.00							2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0352

NPS Station ID: SACN0352 LAT/LON: 45.031115/ -92.768616 Agency: 11EPALES Date Created: / /
Location: ST CROIX LAKE FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 557803
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 22 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030005007 RF1 Mile Point: 3.440 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005000409.84 RF3 Mile Point: 11.83 Distance from RF3: 0.00 On/Off RF3:
Description:
NAVIGATION BUOY DIRECTLY EAST OF NORTHERN STATES POWER STACK.
USGS MAP: STILLWATER QUAD

Parameter Inventory for Station: SACN0352

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	9	18.2	15.378	26.	5.	59.347	7.704	5.	6.	20.4	26.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	7	74.	73.571	77.	68.	9.952	3.155	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	3	36.	39.667	47.	36.	40.333	6.351	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	11	135.	155.091	215.	120.	1796.291	42.383	120.	120.	205.	213.6
00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	9	7.4	8.033	10.6	6.1	4.078	2.019	6.1	6.25	10.6	10.6
00400	PH (STANDARD UNITS)	06/28/72-11/04/72	11	7.28	7.328	7.5	7.2	0.02	0.14	7.2	7.2	7.5	7.5
00400	CONVERTED PH (STANDARD UNITS)	06/28/72-11/04/72	11	7.28	7.309	7.5	7.2	0.02	0.142	7.2	7.2	7.5	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/72-11/04/72	11	0.052	0.049	0.063	0.032	0.	0.015	0.032	0.032	0.063	0.063
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	11	71.	63.182	76.	48.	159.764	12.64	48.2	49.	75.	76.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	11	0.13	0.111	0.16	0.05	0.002	0.039	0.052	0.06	0.14	0.156
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	11	0.2	0.196	0.25	0.06	0.004	0.067	0.064	0.19	0.25	0.25
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	11	0.06	0.06	0.092	0.027	0.001	0.027	0.027	0.029	0.087	0.091
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	11	0.036	0.036	0.055	0.014	0.	0.018	0.014	0.015	0.054	0.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0352

				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	9	0	0.00	7	0	0.00							2	0	0.00
00400	PH	Other-Hi Lim.	9.	11	0	0.00	9	0	0.00							2	0	0.00
		Other-Lo Lim.	6.5	11	0	0.00	9	0	0.00							2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	9	0	0.00							2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0353

NPS Station ID: SACN0353 LAT/LON: 44.980281/ -92.770281 Agency: 21MINNQ Date Created: 09/17/94
Location: ST. CROIX RIVER FROM RR BRIDGE AT HUDSON, WI FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM/SOLIDS/TISSUE/NET STORET Station ID(s): SCSC-17CBB15E67/@SSGWH-0129 /SC-17
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005003 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: ON
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
ST. CROIX RIVER SAMPLE TAKEN FROM THE MIDDLE OF THE CHICAGO AND NORTHWESTERN (C & N.W.) RAILROAD BRIDGE AT HUDSON, WISCONSIN;
ST. CROIX RIVER BASIN T29N/R20W/S23 WASHINGTON COUNTY SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE
WATER QUALITY MONITORING. PERIOD SAMPLED: 1967-PRESENT.

Parameter Inventory for Station: SACN0353

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0354

NPS Station ID: SACN0354 LAT/LON: 44.980281/ -92.770281 Agency: 21MINN Date Created: / /
Location: ST. CROIX RIVER FROM RR BRIDGE AT HUDSON, WI FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM/SOLIDS/TISSUE/NET STORET Station ID(s): SCSC-17CBB15E67/@SSGWH-0129 /SC-17
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005003 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 07010206000119.77 RF3 Mile Point: 19.77 Distance from RF3: 0.05 On/Off RF3:
Description:
ST. CROIX RIVER SAMPLE TAKEN FROM THE MIDDLE OF THE CHICAGO AND NORTHWESTERN (C & N.W.) RAILROAD BRIDGE AT HUDSON, WISCONSIN;
ST. CROIX RIVER BASIN T29N/R20W/S23 WASHINGTON COUNTY SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE
WATER QUALITY MONITORING. PERIOD SAMPLED: 1967-PRESENT.

Parameter Inventory for Station: SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	180	14.75	13.253	28.	0.	81.499	9.028	0.5	4.	22.	24.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	89	52.	53.18	81.	32.	276.99	16.643	32.	34.5	70.	75.
00023	SAMPLE WEIGHT IN POUNDS	10/01/69-09/28/84	36	1.65	2.075	6.5	0.5	2.442	1.563	0.5	0.8	3.375	4.51
00024	SAMPLE LENGTH IN INCHES	10/01/69-09/28/84	33	15.6	15.985	28.5	8.8	21.137	4.597	10.84	12.1	18.65	20.5
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/28/67-12/17/68	14	11.	11.221	18.	3.4	16.397	4.049	4.55	8.75	14.	17.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	98	3.9	5.058	54.	1.3	31.293	5.594	2.3	2.8	5.525	9.52
00080	COLOR (PLATINUM-COBALT UNITS)	06/28/67-10/05/72	44	37.5	52.159	160.	5.	1457.439	38.176	10.	21.25	78.75	105.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	270	190.	198.544	2200.	80.	20483.602	143.121	120.	150.	210.	240.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	127	4.	4.244	12.	0.	6.269	2.504	1.	2.	6.	8.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	271	9.1	9.073	13.6	4.5	3.775	1.943	6.7	7.5	10.3	11.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	258	1.7	1.92	7.8	0.25	1.341	1.158	0.9	1.2	2.3	3.3
00335	COD, .025N K2CR2O7 MG/L	07/15/74-06/16/80	46	23.	25.87	57.	6.	175.538	13.249	10.7	14.	34.5	47.9
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	110	7.8	7.768	8.6	6.5	0.146	0.383	7.3	7.5	8.1	8.3
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	110	7.8	7.584	8.6	6.5	0.181	0.425	7.3	7.5	8.1	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	110	0.016	0.026	0.316	0.003	0.001	0.035	0.005	0.008	0.032	0.05
00403	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	162	7.8	7.828	8.8	6.7	0.093	0.305	7.5	7.7	8.	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	162	7.8	7.702	8.8	6.7	0.109	0.33	7.5	7.7	8.	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	162	0.016	0.02	0.2	0.002	0.001	0.023	0.006	0.01	0.02	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	112	92.	89.473	260.	32.	869.801	29.492	52.	76.	100.	110.
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	09/22/69-09/22/69	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	94	140.	139.043	330.	77.	1079.547	32.856	110.	130.	150.	165.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/28/67-09/05/72	44	50.5	55.636	120.	5.	488.562	22.103	32.	43.25	67.	83.5
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/15/74-07/15/74	1	122.	122.	122.	122.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	272	5.	6.936	100.	0.25	71.491	8.455	1.3	3.	8.	12.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/28/67-09/05/72	44	3.	4.619	58.	0.25	71.679	8.466	1.5	2.	4.	6.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/22/69-07/15/74	4	1.45	1.213	1.8	0.15	0.544	0.738	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	252	0.615	0.657	2.7	0.05	0.085	0.291	0.33	0.463	0.85	0.987
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	271	0.1	0.123	0.93	0.01	0.009	0.093	0.05	0.09	0.12	0.23
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	80	0.01	0.019	0.09	0.005	0.	0.015	0.005	0.01	0.02	0.039
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	98	0.205	0.32	1.9	0.005	0.116	0.341	0.025	0.08	0.46	0.644
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	142	0.735	0.755	1.82	0.11	0.066	0.256	0.453	0.57	0.91	1.097

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	171	0.16	0.236	1.1	0.01	0.046	0.215	0.04	0.07	0.38	0.59
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	270	0.06	0.107	7.8	0.005	0.227	0.476	0.032	0.043	0.088	0.129
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/16/74-07/21/77	24	7.65	8.783	17.	2.5	16.826	4.102	4.25	5.875	12.25	16.5
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/22/69-07/09/91	8 ##	0.002	0.005	0.025	0.001	0.	0.008	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	09/22/69-07/15/74	4 ##	0.008	0.011	0.025	0.005	0.	0.009	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	115	94.	95.504	290.	37.	1153.901	33.969	58.6	80.	110.	120.
00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/29/91	73	60.	59.041	130.	10.	328.123	18.114	34.8	49.	68.	78.2
00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/29/91	30	34.	32.836	50.	0.08	108.17	10.4	18.3	28.5	38.5	46.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	60	4.	4.152	8.2	1.7	2.105	1.451	2.33	3.2	4.825	6.18
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/21/77	59	1.6	2.38	20.	0.5	9.113	3.019	1.	1.1	2.3	4.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	112	4.	4.286	17.	0.5	6.679	2.584	1.3	3.	5.	6.7
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-07/21/77	44	8.	8.136	16.	2.5	10.132	3.183	2.5	6.25	11.	12.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	61 ##	0.05	0.094	1.2	0.05	0.022	0.15	0.05	0.05	0.1	0.11
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/22/69-07/15/74	5	10.	10.86	18.	6.3	20.498	4.527	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/30/90	69 ##	5.	3.925	18.	0.25	6.737	2.596	0.5	1.	5.	5.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/06/78-06/06/78	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	06/01/78-06/29/79	7	0.03	0.027	0.04	0.02	0.	0.008	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/22/69-07/15/74	5 ##	10.	6.85	10.	0.25	20.363	4.512	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/22/69-09/05/72	4 ##	25.	25.	30.	20.	16.667	4.082	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	103 ##	5.	5.632	59.	0.005	47.692	6.906	0.18	5.	5.	5.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/78-06/06/78	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/78-06/06/78	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/22/69-09/16/71	3 ##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/22/69-10/29/91	16	1.	2.256	10.	0.25	7.164	2.676	0.25	0.575	4.25	6.5
01042p	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	105 ##	5.	6.316	90.	0.25	85.948	9.271	2.	5.	5.	5.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/06/78-06/06/78	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	89	490.	604.82	4500.	79.	390946.285	625.257	160.	315.	715.	1000.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	94 ##	5.	5.735	28.	0.1	22.066	4.697	1.75	5.	5.	7.5
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/06/78-06/06/78	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	89	73.	83.494	430.	5.	4279.048	65.414	20.	40.5	100.	170.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	99 ##	5.	4.944	25.	0.5	5.892	2.427	5.	5.	5.	5.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/78-06/06/78	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	09/22/69-09/05/72	4 ##	1.	2.	5.	1.	4.	2.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	102	11.	25.291	680.	0.7	5720.692	75.635	5.	5.	22.25	34.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/06/78-06/06/78	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/27/88-10/29/91	4	103.	193.25	540.	27.	56194.25	237.053	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/30/90	50 ##	2.	2.8	5.	0.5	3.776	1.943	1.	1.	5.	5.
01501	ALPHA, TOTAL	01/13/70-07/15/74	27 ##	1.	1.019	3.	0.5	0.432	0.658	0.5	0.5	1.	2.2
01502	ALPHA, TOTAL, COUNTING ERROR	04/21/69-07/15/74	6	2.	1.833	2.	1.	0.167	0.408	**	**	**	**
03501	BETA, TOTAL	01/13/70-07/15/74	28	5.	4.768	9.	1.	5.472	2.339	1.	3.	6.	8.1
03502	BETA, TOTAL, COUNTING ERROR	01/13/70-07/15/74	24	2.	2.083	3.	1.	0.254	0.504	1.5	2.	2.	3.
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	08/13/70-10/07/70	3	800.	800.	900.	700.	10000.	100.	**	**	**	**
07001	TRITIUM,TOTAL,COUNTING ERROR (PICOCURIES/LITER)	08/13/70-10/07/70	3	200.	200.	200.	200.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	99	330.	798.778	9200.	10.	2013778.501	1419.077	50.	110.	790.	1700.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	99	2.519	2.461	3.964	1.	0.428	0.654	1.699	2.041	2.898	3.23
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			289.067								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	82	4.	12.018	120.	2.	473.318	21.756	2.	2.	10.5	32.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	82	0.602	0.739	2.079	0.301	0.233	0.483	0.301	0.301	1.02	1.505
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			5.486								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	184	20.	123.489	4900.	2.	236850.732	486.673	10.	10.	77.5	220.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	184	1.301	1.463	3.69	0.301	0.334	0.578	1.	1.	1.889	2.342
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			29.028								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	04/30/85-03/26/86	9	4.	14.5	80.	2.	642.25	25.343	2.	2.	17.	80.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	04/30/85-03/26/86	9	0.602	0.763	1.903	0.301	0.32	0.566	0.301	0.301	1.23	1.903
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			5.795								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	04/30/85-03/26/86	9 ##	4.5	5.278	12.	2.	14.819	3.85	2.	2.	9.	12.
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	04/30/85-03/26/86	9 ##	0.653	0.615	1.079	0.301	0.106	0.326	0.301	0.301	0.952	1.079
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			4.125								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/22/69-07/29/76	9	9.	37.611	190.	4.5	3562.111	59.683	4.5	7.	47.	190.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/22/69-07/29/76	9	0.954	1.231	2.279	0.653	0.292	0.54	0.653	0.827	1.667	2.279
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			17.041								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/22/69-06/27/88	6 ##	6.	10.75	30.	1.	129.775	11.392	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	06/01/78-09/28/84	10	0.132	0.131	0.417	0.025	0.014	0.118	0.025	0.025	0.169	0.393

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34671	PCB - 1016 TOTWUG/L	10/25/79-10/25/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34674	PCB - 1016 WET WGTTISMG/KG	06/01/78-06/01/78	4	0.044	0.038	0.048	0.018	0.	0.014	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	06/01/78-06/01/78	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	06/01/78-06/01/78	3	0.012	0.018	0.032	0.009	0.	0.013	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	06/01/78-06/01/78	3 ##	0.003	0.003	0.005	0.003	0.	0.001	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	06/01/78-06/01/78	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	77 ##	0.05	0.149	0.66	0.05	0.024	0.154	0.05	0.05	0.25	0.384
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/23/78-10/25/79	2 ##	0.17	0.17	0.214	0.125	0.004	0.063	**	**	**	**
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	06/01/78-06/01/78	4 ##	0.029	0.031	0.05	0.014	0.	0.016	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/06/78-07/20/79	2 ##	20.	20.	25.	15.	50.	7.071	**	**	**	**
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/78-10/25/79	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	06/01/78-06/01/78	3 ##	0.001	0.001	0.002	0.001	0.	0.001	**	**	**	**
39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/78-10/25/79	2 ##	0.01	0.01	0.015	0.005	0.	0.007	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	06/01/78-06/01/78	3 ##	0.001	0.004	0.012	0.001	0.	0.007	**	**	**	**
39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/23/78-10/23/78	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/23/78-10/25/79	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	06/01/78-06/01/78	3	0.01	0.012	0.018	0.007	0.	0.006	**	**	**	**
39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	06/01/78-06/01/78	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	07/20/75-09/28/84	31	2.5	2.723	6.4	0.1	4.776	2.186	0.2	0.6	4.5	5.88
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/11/70-10/25/79	10 ##	0.008	0.019	0.05	0.005	0.	0.018	0.005	0.005	0.031	0.05
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/07/77-06/06/78	2 ##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	06/01/78-06/01/78	3 ##	0.003	0.003	0.005	0.003	0.	0.001	**	**	**	**
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/25/79	3 ##	0.025	0.033	0.05	0.025	0.	0.014	**	**	**	**
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/07/77-06/06/78	2 ##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	06/01/78-06/01/78	3 ##	0.003	0.003	0.005	0.003	0.	0.001	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/06/78-06/06/78	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	06/01/78-06/01/78	3 ##	0.003	0.005	0.01	0.003	0.	0.004	**	**	**	**
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/06/78-06/06/78	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/06/78-06/06/78	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	06/01/78-06/01/78	3	0.03	0.037	0.06	0.02	0.	0.021	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	06/01/78-06/01/78	3 ##	0.003	0.003	0.005	0.003	0.	0.001	**	**	**	**
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/06/78-06/06/78	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	06/01/78-06/01/78	3 ##	0.003	0.003	0.005	0.003	0.	0.001	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/25/79	3 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/07/77-06/06/78	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	10/23/78-10/25/79	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	11/01/76-10/25/79	3 ##	0.05	0.045	0.05	0.035	0.	0.009	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/07/77-06/07/77	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39359	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	06/06/78-06/06/78	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/02/68-09/22/69	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39376	DDT SUM ANALOGS INTISSUE WET WGT BASIS	10/01/69-06/01/78	8	0.275	0.509	1.26	0.02	0.3	0.548	**	**	**	**
39379	SUM OF ALL DDT,DDE& DDD VALUES IN WHL WATER SAMP	10/23/78-10/25/79	2 ##	0.113	0.113	0.2	0.025	0.015	0.124	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/25/79	3 ##	0.025	0.022	0.025	0.015	0.	0.006	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/07/77-06/06/78	2 ##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	2 ##	0.03	0.03	0.035	0.025	0.	0.007	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/06/78-06/06/78	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	06/01/78-06/01/78	3 ##	0.003	0.003	0.005	0.003	0.	0.001	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/25/79	3 ##	0.25	0.233	0.4	0.05	0.031	0.176	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/07/77-06/06/78	2 ##	12.75	12.75	25.	0.5	300.125	17.324	**	**	**	**
39482	METHOXYCHLOR IN FISH - UG/KG	06/01/78-06/01/78	3 ##	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	08/04/83-09/28/84	6 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	10/25/79-10/25/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	06/06/78-06/06/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	10/25/79-10/25/79	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	06/06/78-06/06/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	06/01/78-09/28/84	10	876.	904.6	2940.	101.	708454.933	841.698	102.1	152.5	1165.	2770.
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	06/06/78-06/06/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/01/69-09/28/84	33	0.24	0.628	3.36	0.	0.583	0.764	0.	0.101	1.073	1.46
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/23/78	2 ##	0.179	0.179	0.307	0.05	0.033	0.182	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/01/76-06/06/78	3 ##	0.5	1.85	5.	0.05	7.493	2.737	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	11/01/76-10/25/79	3 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	11/01/76-06/06/78	3 ##	0.5	0.335	0.5	0.005	0.082	0.286	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/07/77-06/07/77	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	11/01/76-11/01/76	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/01/76-06/07/77	2 ##	0.253	0.253	0.5	0.005	0.123	0.35	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	06/01/78-06/01/78	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39810	CHLORDANE,GAMMA,IN WHOLE WATER SAMPLE (UG/L)	10/23/78-10/25/79	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
70318	SOLIDS, TOTAL, PERCENT OF WET SAMPLE	06/06/78-06/06/78	1	84.	84.	84.	84.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/15/70-10/28/86	65	0.1	0.185	0.9	0.05	0.04	0.2	0.05	0.05	0.25	0.44
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/06/78-06/06/78	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/01/78-11/15/86	12	0.16	0.19	0.53	0.09	0.014	0.119	0.09	0.12	0.233	0.446
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/01/78-06/29/79	7	0.18	0.259	0.7	0.11	0.04	0.2	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/01/78-06/29/79	7	0.75	0.666	0.94	0.1	0.084	0.289	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	06/01/78-06/29/79	7	0.12	0.116	0.17	0.06	0.002	0.04	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/01/78-06/29/79	7	0.04	0.033	0.06	0.009	0.	0.022	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/29/87-07/29/87	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/01/69-09/28/84	36	1.	3.194	15.	1.	11.647	3.413	1.	1.	5.	10.
81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	10/01/69-07/23/70	5	0.03	0.088	0.3	0.02	0.014	0.12	**	**	**	**
81906	DESCRIPTION OF SAMPLE	04/24/91-09/15/94	32	270898.5	264943.438	272588.	210472.	290382500.254	17040.613	233284.1	270250.	271557.	271963.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0354

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	98	1	0.01	29	0	0.00	23	0	0.00	11	0	0.00	35	1	0.03
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	271	0	0.00	87	0	0.00	47	0	0.00	33	0	0.00	104	0	0.00
00400	PH	Other-Hi Lim.	9.	110	0	0.00	34	0	0.00	26	0	0.00	12	0	0.00	38	0	0.00
		Other-Lo Lim.	6.5	110	1	0.01	34	0	0.00	26	0	0.00	12	0	0.00	38	1	0.03
00403	PH, LAB	Other-Hi Lim.	9.	162	0	0.00	53	0	0.00	22	0	0.00	21	0	0.00	66	0	0.00
		Other-Lo Lim.	6.5	162	0	0.00	53	0	0.00	22	0	0.00	21	0	0.00	66	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	80	0	0.00	25	0	0.00	20	0	0.00	7	0	0.00	28	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	98	0	0.00	30	0	0.00	23	0	0.00	10	0	0.00	35	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	171	0	0.00	57	0	0.00	25	0	0.00	23	0	0.00	66	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	7 &	0	0.00	2	0	0.00							5	0	0.00
		Drinking Water	0.2	8	0	0.00	3	0	0.00							5	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	112	0	0.00	35	0	0.00	26	0	0.00	12	0	0.00	39	0	0.00
		Drinking Water	250.	112	0	0.00	35	0	0.00	26	0	0.00	12	0	0.00	39	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	44	0	0.00	15	0	0.00	10	0	0.00	4	0	0.00	15	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	61	0	0.00	19	0	0.00	13	0	0.00	7	0	0.00	22	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	69	0	0.00	23	0	0.00	12	0	0.00	6	0	0.00	28	0	0.00
		Drinking Water	50.	69	0	0.00	23	0	0.00	12	0	0.00	6	0	0.00	28	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	5	0	0.00	4	0	0.00							1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	17 &	5	0.29	10	4	0.40	1	1	1.00				6	0	0.00
		Drinking Water	5.	17 &	5	0.29	10	4	0.40	1	1	1.00				6	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	16	0	0.00	11	0	0.00							5	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	104 &	3	0.03	33	0	0.00	22	0	0.00	10	1	0.10	39	2	0.05
		Drinking Water	1300.	105	0	0.00	33	0	0.00	22	0	0.00	10	0	0.00	40	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	94	0	0.00	29	0	0.00	22	0	0.00	9	0	0.00	34	0	0.00
		Drinking Water	15.	92 &	3	0.03	28	2	0.07	22	1	0.05	9	0	0.00	33	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	99	0	0.00	31	0	0.00	22	0	0.00	10	0	0.00	36	0	0.00
		Drinking Water	100.	99	0	0.00	31	0	0.00	22	0	0.00	10	0	0.00	36	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

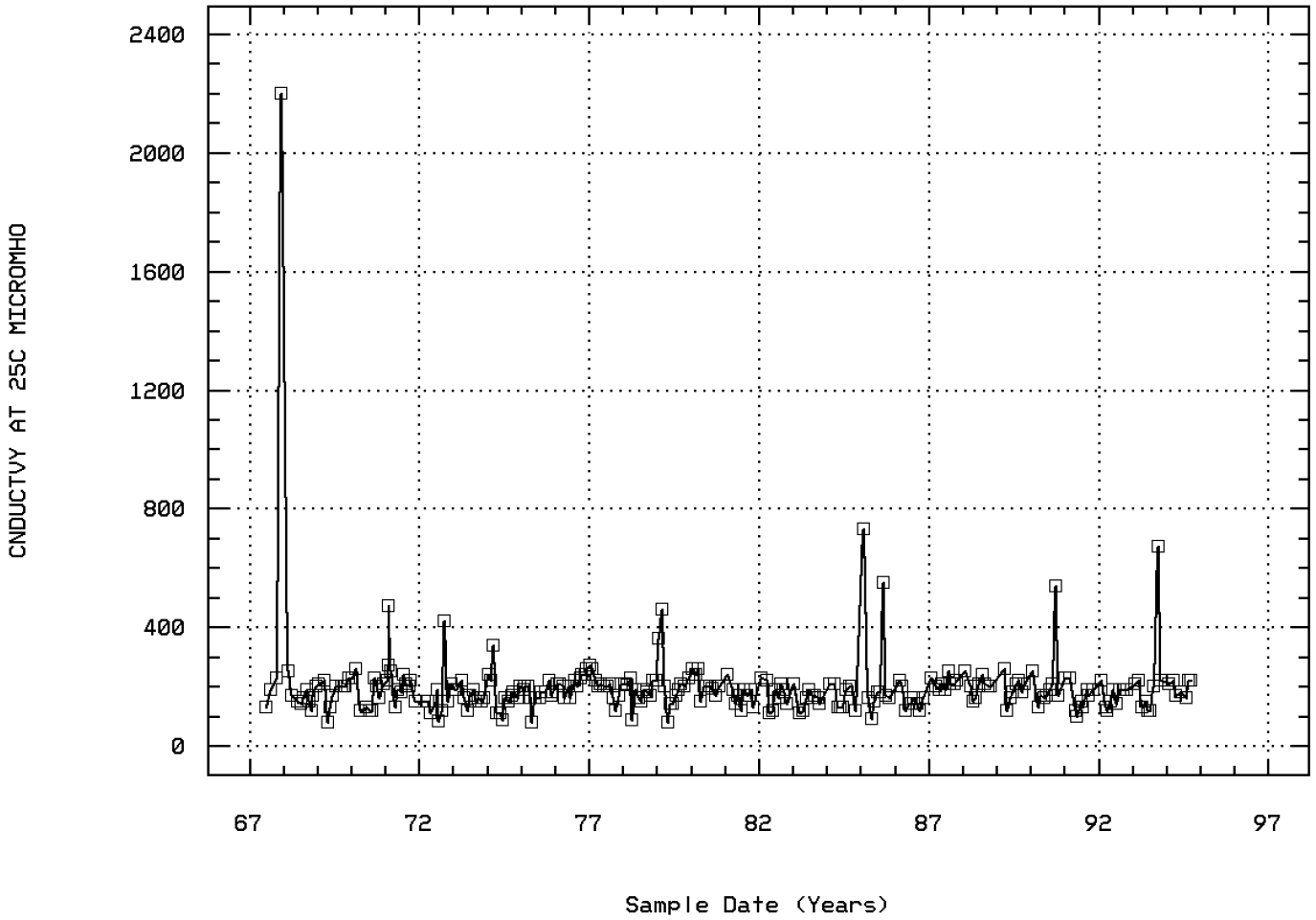
EPA Water Quality Criteria Analysis for Station: SACN0354

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01077	SILVER, TOTAL	Fresh Acute	4.1	3 &	0	0.00	3	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	102	2	0.02	32	1	0.03	22	0	0.00	10	0	0.00	38	1	0.03
		Drinking Water	5000.	102	0	0.00	32	0	0.00	22	0	0.00	10	0	0.00	38	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	50	0	0.00	14	0	0.00	10	0	0.00	5	0	0.00	21	0	0.00
		Drinking Water	50.	50	0	0.00	14	0	0.00	10	0	0.00	5	0	0.00	21	0	0.00
07000	TRITIUM, TOTAL	Drinking Water	20000.	3	0	0.00	2	0	0.00							1	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	99	19	0.19	30	5	0.17	23	8	0.35	10	3	0.30	36	3	0.08
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	82	0	0.00	28	0	0.00	8	0	0.00	12	0	0.00	34	0	0.00
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	184	20	0.11	58	2	0.03	39	12	0.31	20	2	0.10	67	4	0.06
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	2	0	0.00	2	0	0.00									
		Drinking Water	1.	2	0	0.00	2	0	0.00									
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	10	0	0.00	6	0	0.00				1	0	0.00	3	0	0.00
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	2	0	0.00									
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	2	0	0.00									
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	3	0	0.00	3	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	3	0	0.00	3	0	0.00									
		Drinking Water	2.	3	0	0.00	3	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	2	0	0.00									
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	3	0	0.00	3	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	3	0	0.00	3	0	0.00									
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	3	0	0.00	3	0	0.00									
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	3	0	0.00	3	0	0.00									
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	65	0	0.00	21	0	0.00	12	0	0.00	6	0	0.00	26	0	0.00
		Drinking Water	2.	65	0	0.00	21	0	0.00	12	0	0.00	6	0	0.00	26	0	0.00

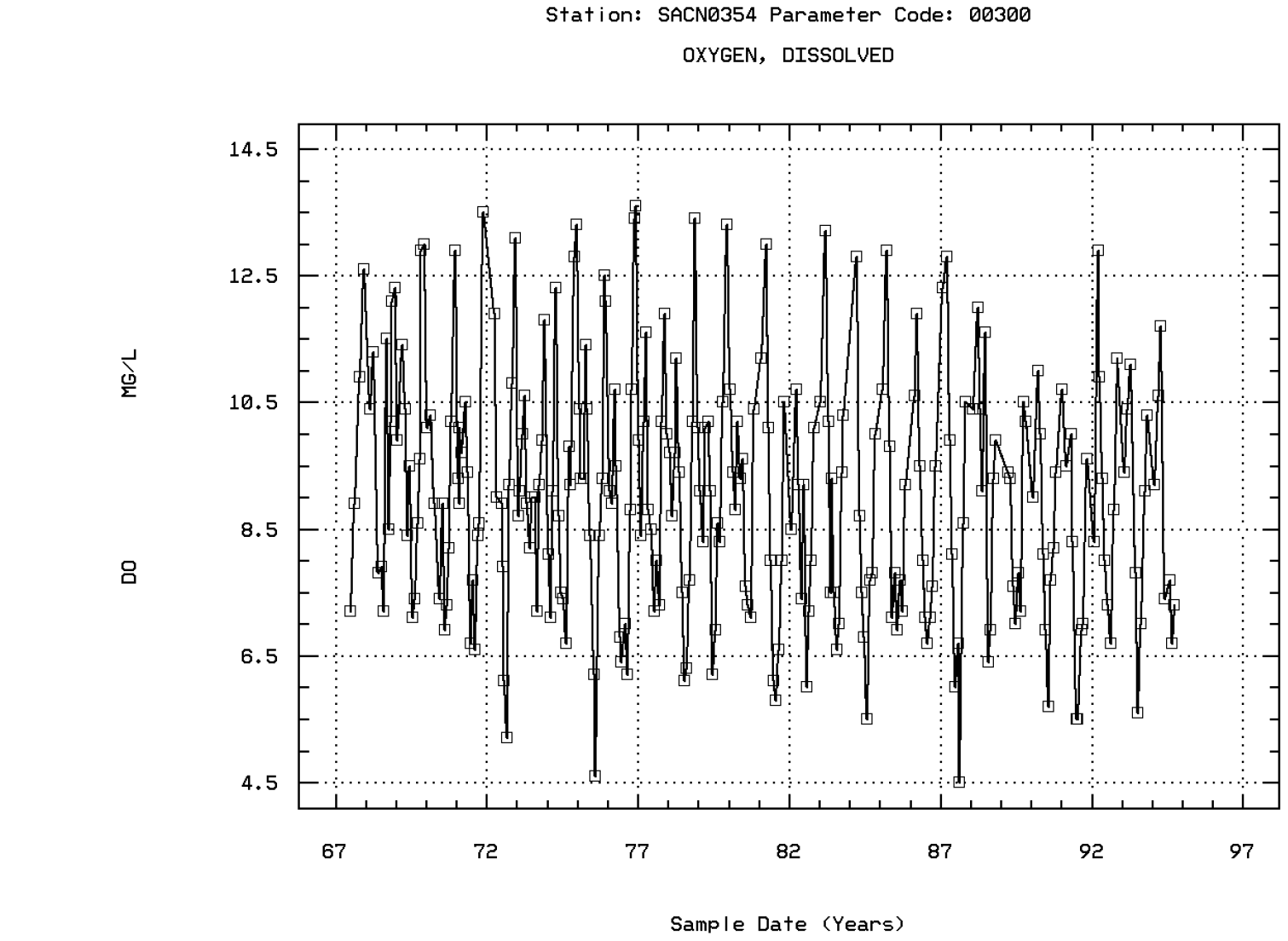
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: SACN0354 Parameter Code: 00095

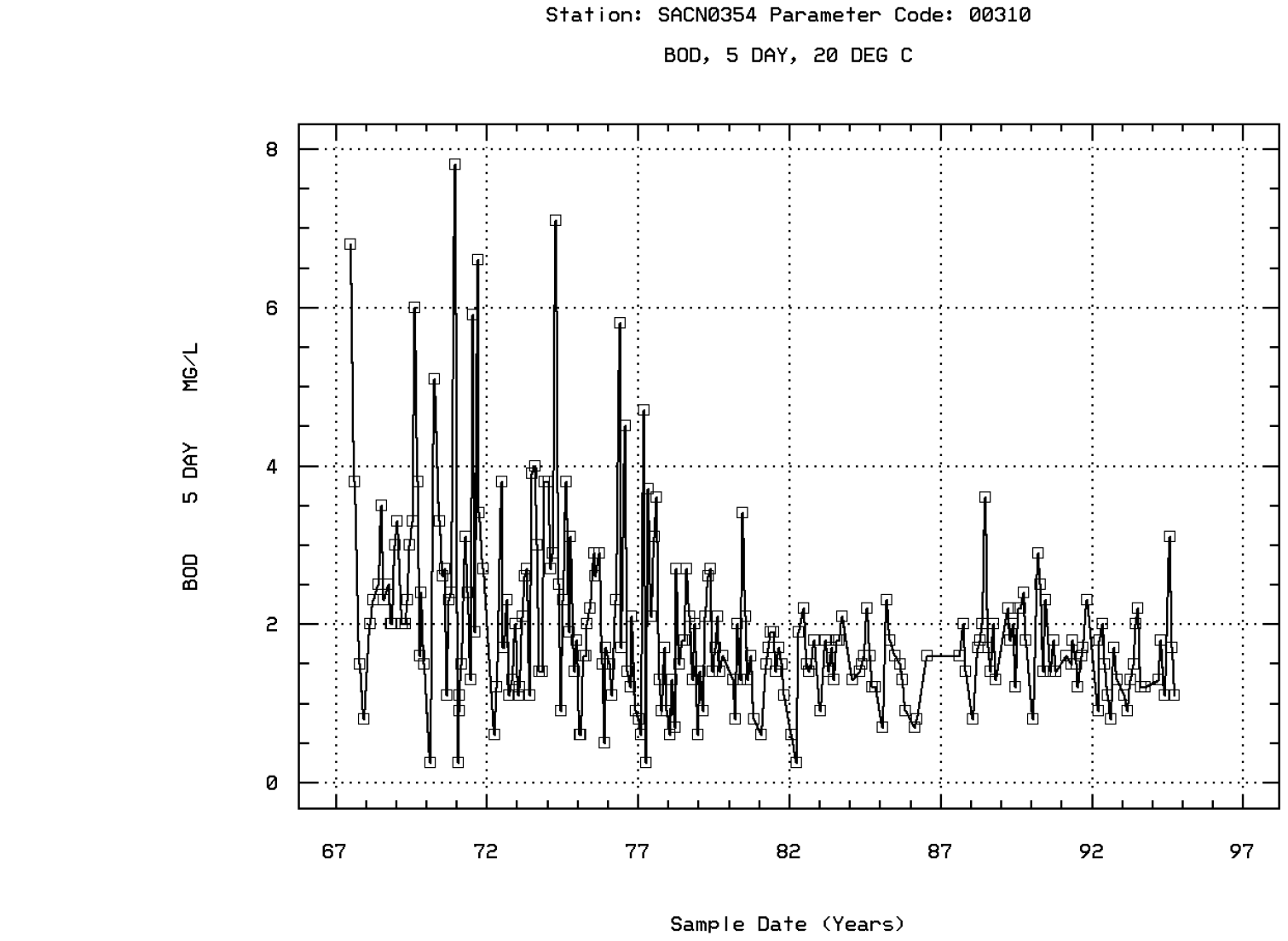
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO



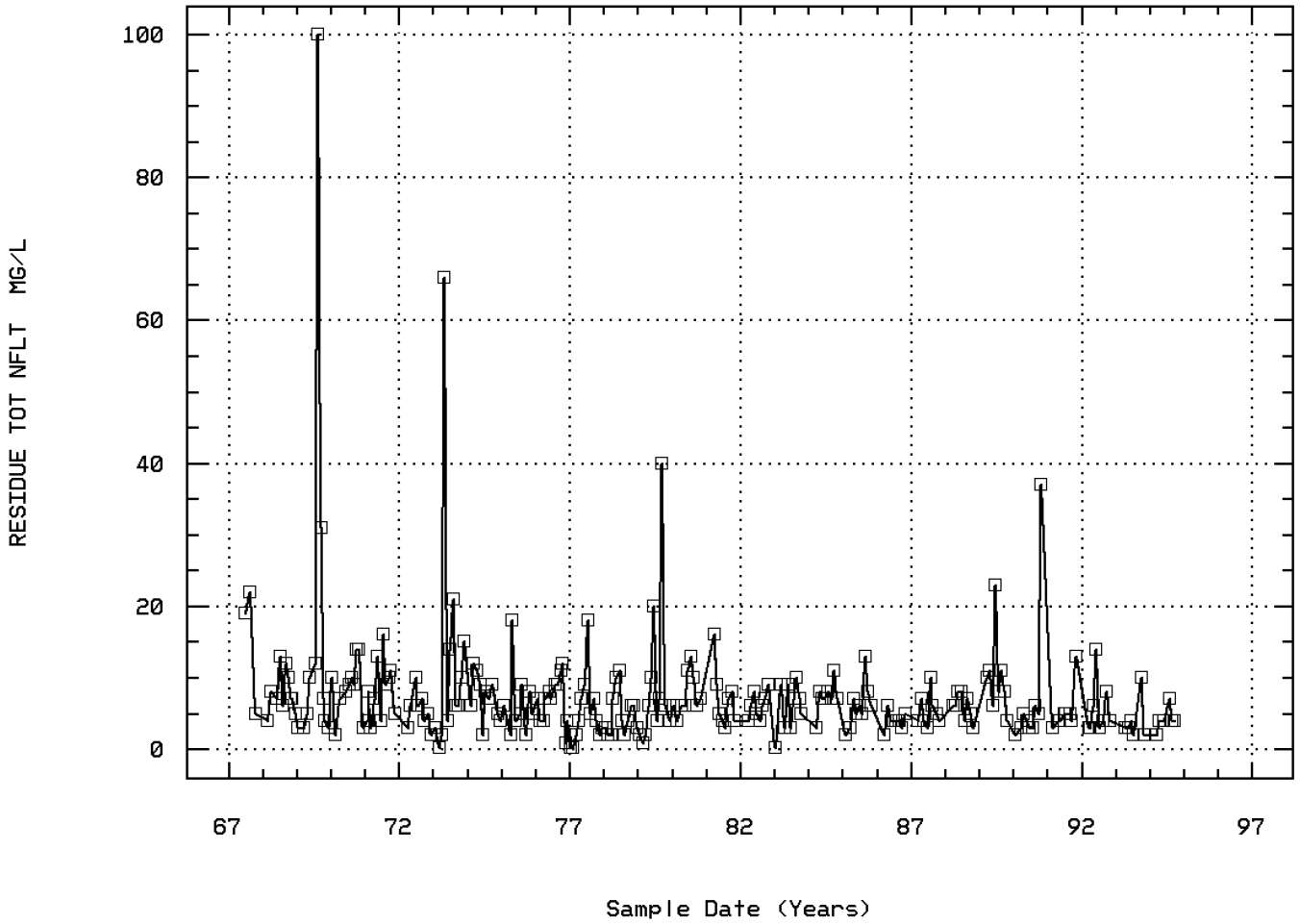
ST. CROIX RIVER FROM RR BRIDGE AT HUDSO



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00530

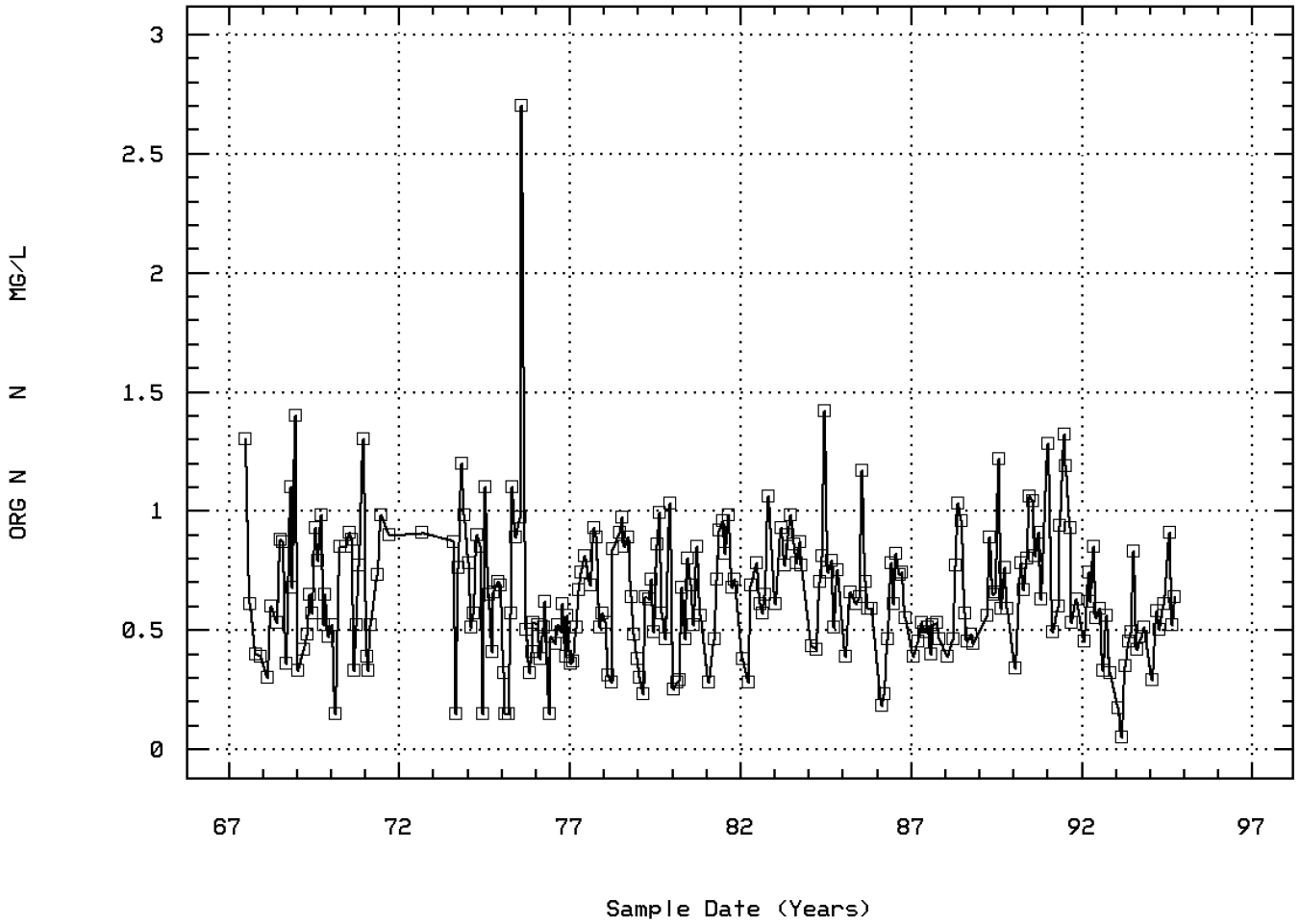
RESIDUE, TOTAL NONFILTRABLE (MG/L)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00605

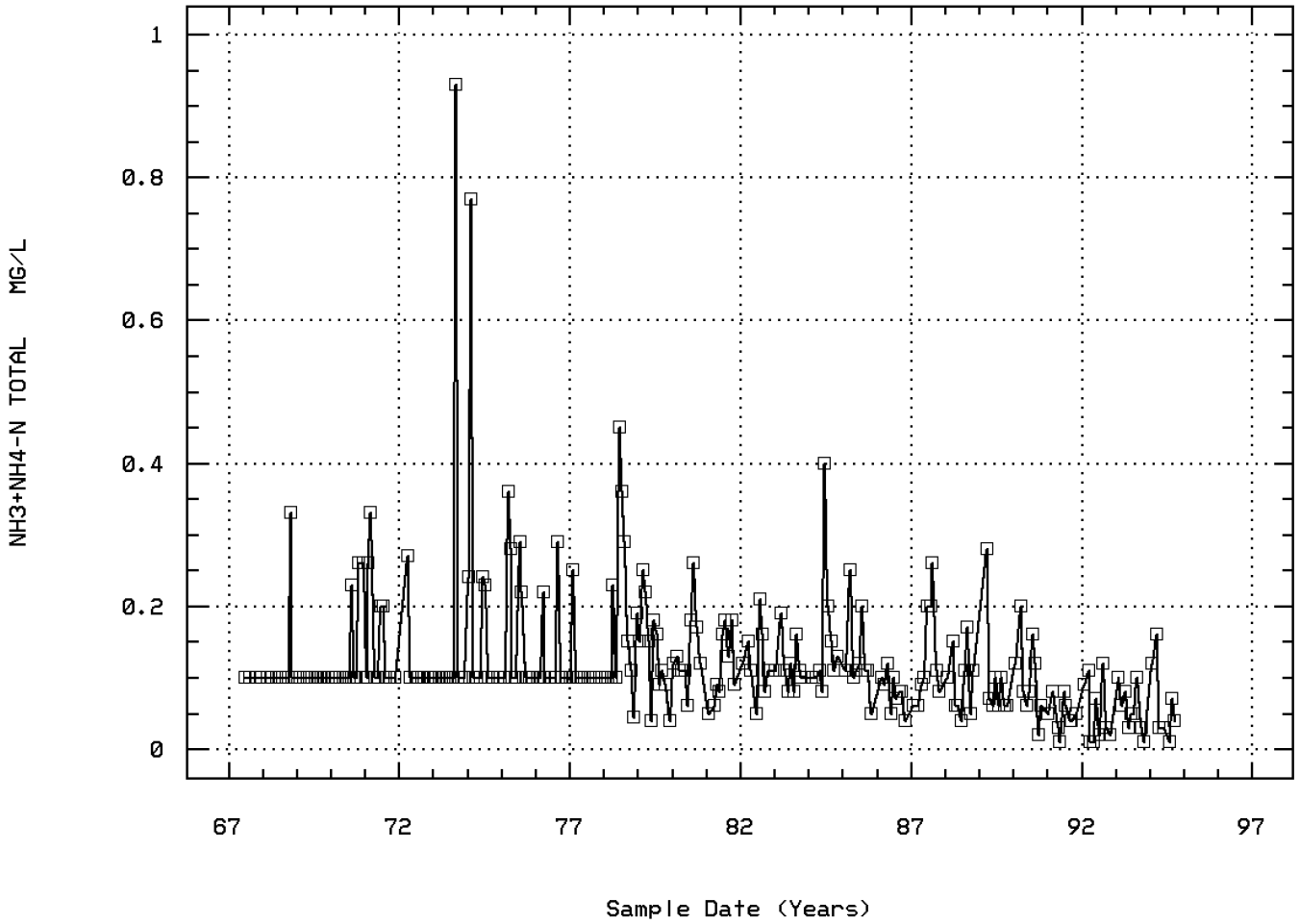
NITROGEN, ORGANIC, TOTAL (MG/L AS N)



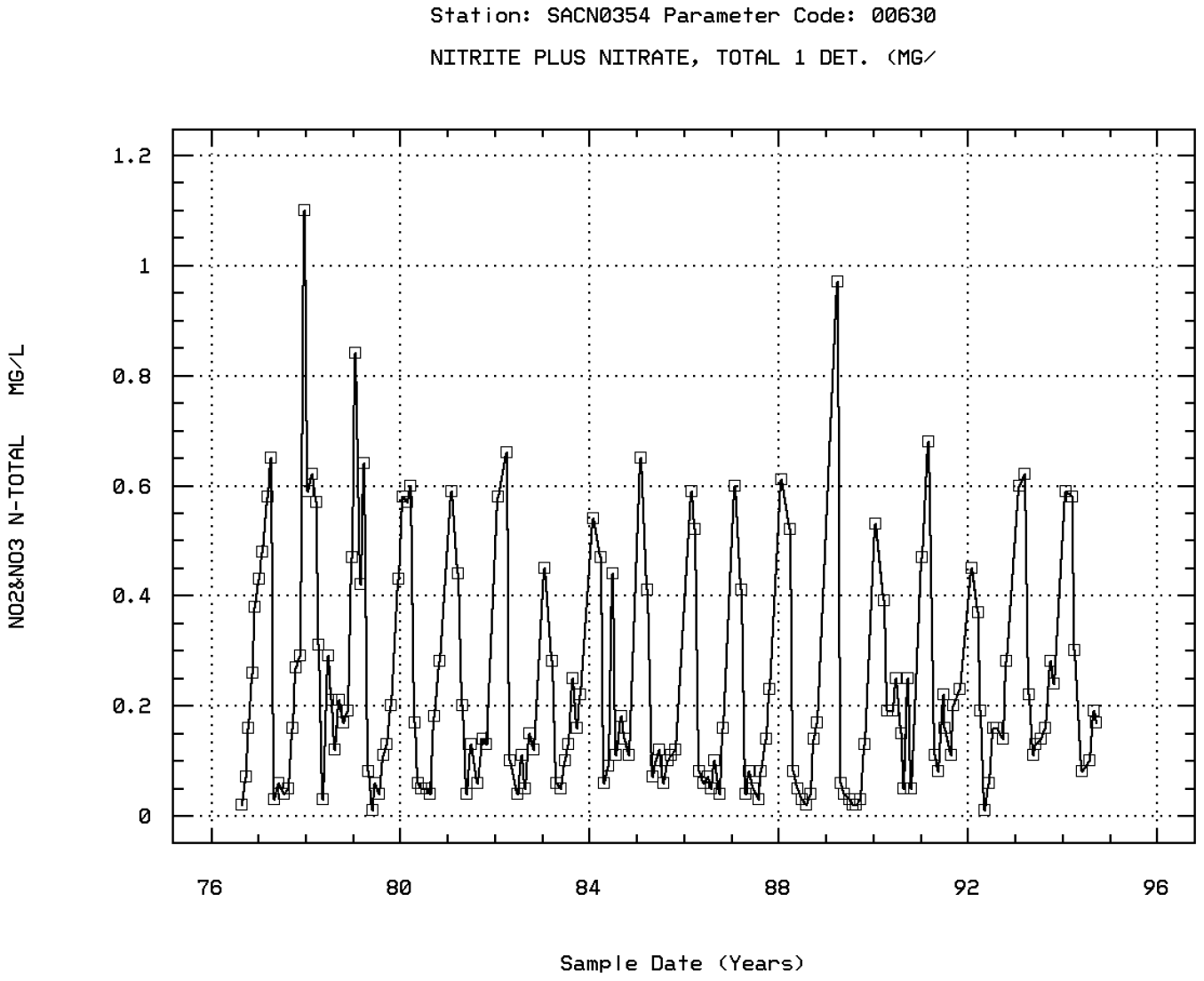
ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00610

NITROGEN, AMMONIA, TOTAL (MG/L AS N)



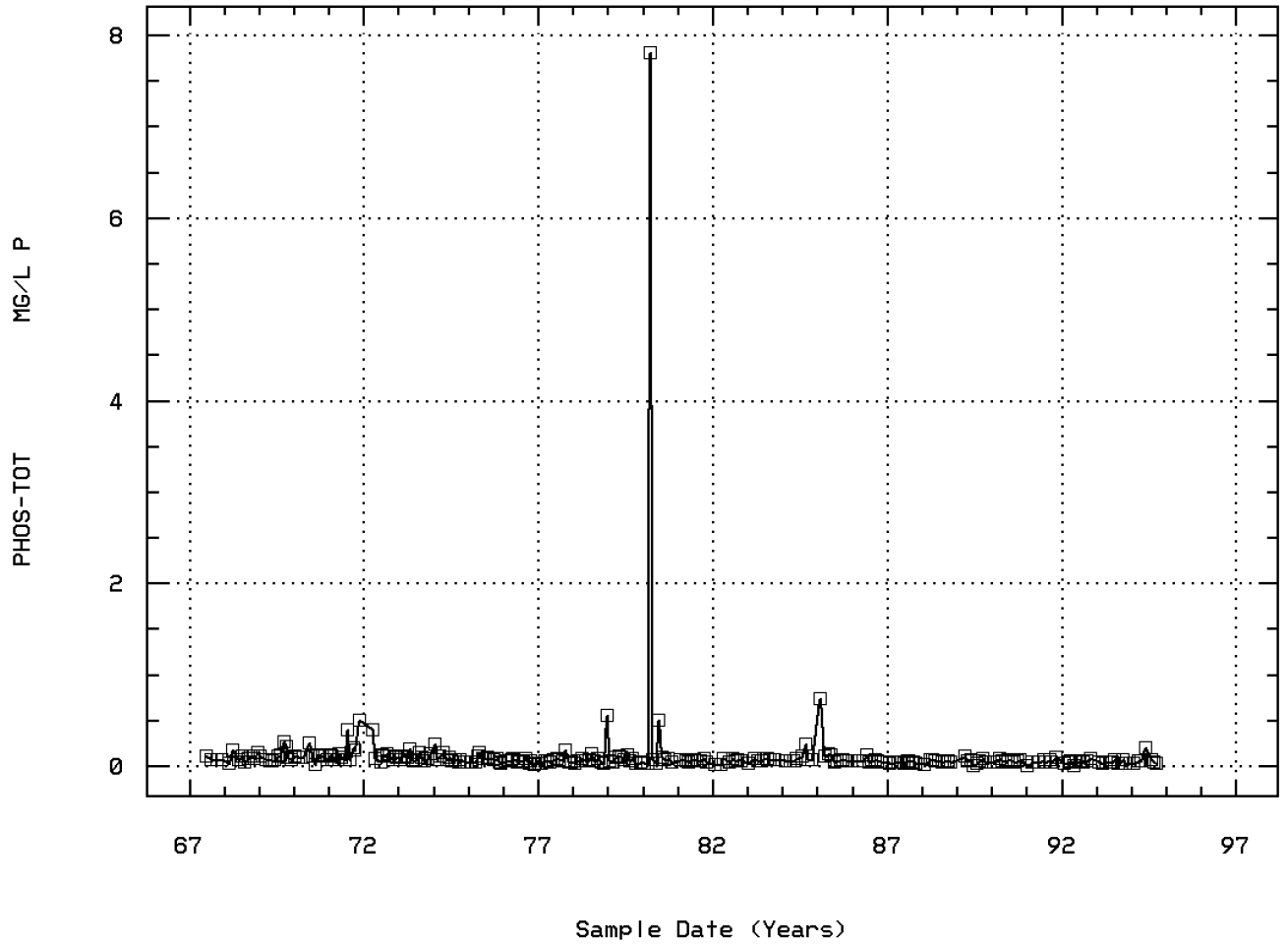
ST. CROIX RIVER FROM RR BRIDGE AT HUDSO



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00665

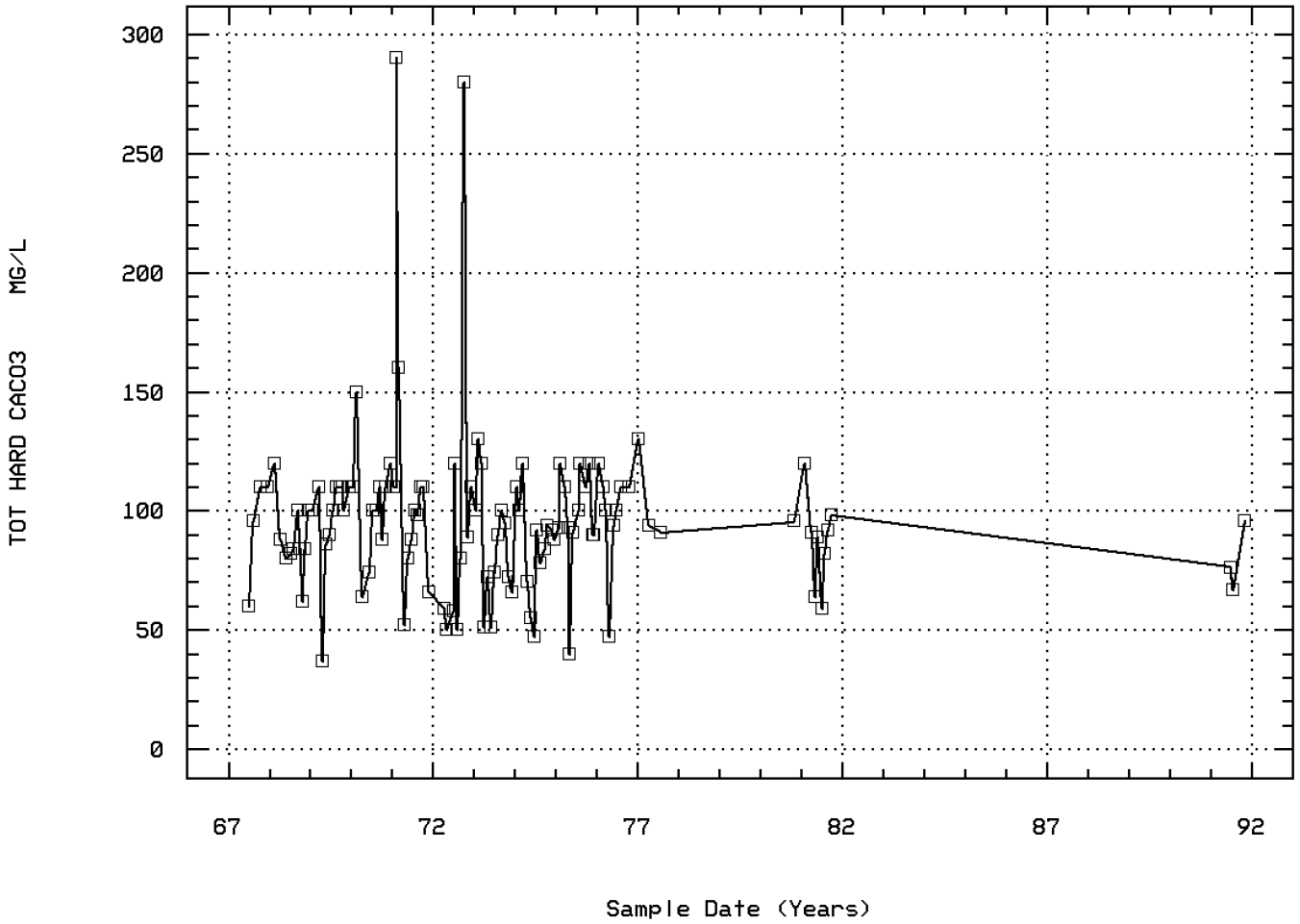
PHOSPHORUS, TOTAL (MG/L AS P)



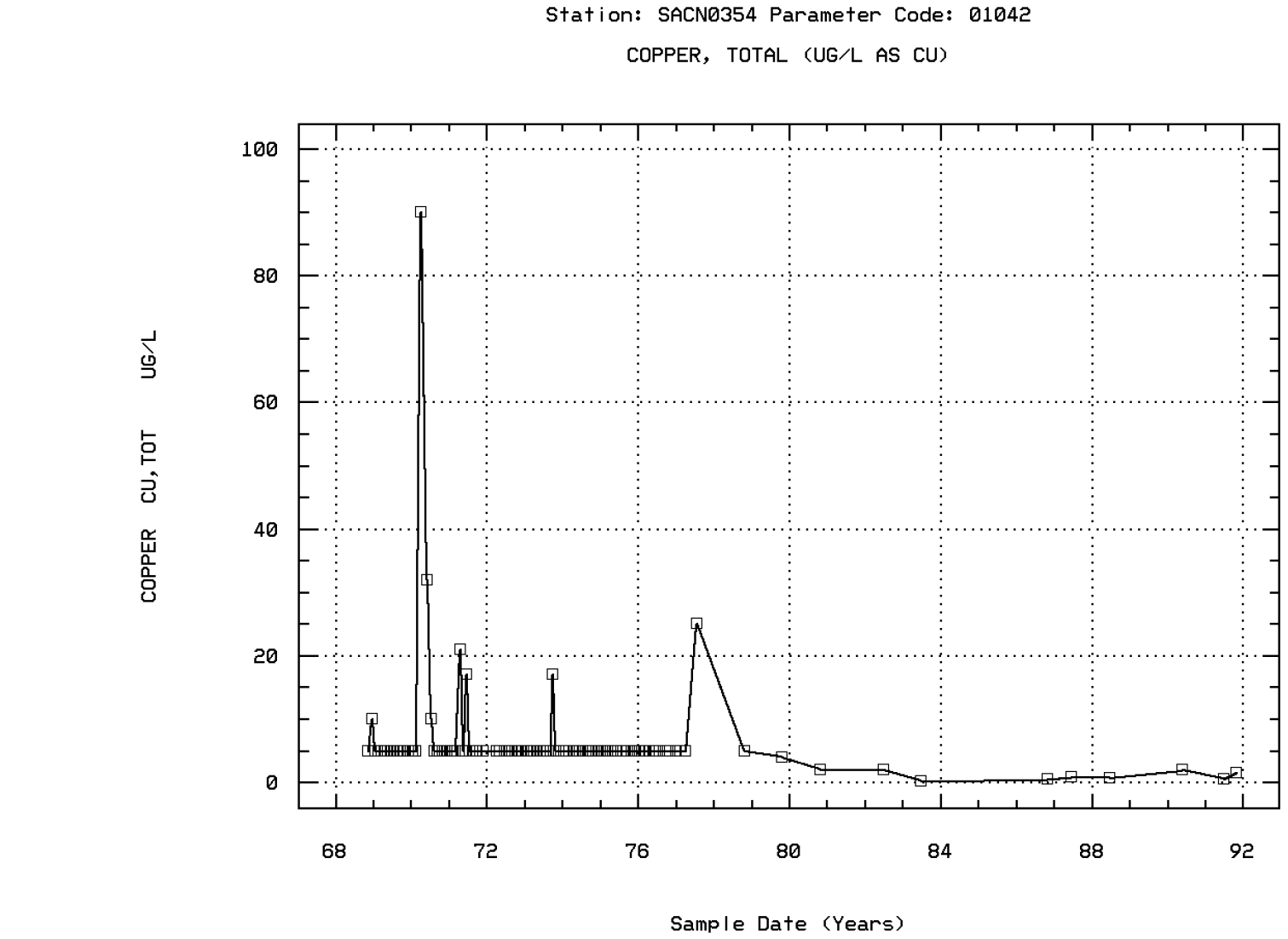
ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00900

HARDNESS, TOTAL (MG/L AS CACO3)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Annual Analysis for 1967 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	4	61.5	57.5	73.	34.	348.333	18.664	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	4	210.	687.5	2200.	130.	1018425.	1009.17	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	4	9.9	9.9	12.6	7.2	5.527	2.351	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	4	2.65	3.225	6.8	0.8	7.322	2.706	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	4	8.3	8.075	8.4	7.3	0.269	0.519	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	4	8.3	7.795	8.4	7.3	0.374	0.611	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	4	0.005	0.016	0.05	0.004	0.001	0.023	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	4	91.5	86.25	110.	52.	825.583	28.733	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	4	145.	155.	190.	140.	566.667	23.805	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	4	12.	11.75	22.	1.	106.25	10.308	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	4	0.505	0.675	1.3	0.39	0.184	0.429	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	4	0.56	0.56	0.68	0.44	0.014	0.118	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	4	0.065	0.075	0.11	0.06	0.001	0.024	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	4	103.	94.	110.	60.	557.333	23.608	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	4	3.5	3.75	5.	3.	0.917	0.957	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	4	220.	235.	460.	40.	37766.667	194.336	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	4	2.28	2.206	2.663	1.602	0.233	0.482	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			160.761								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	4	50.	50.	90.	10.	1666.667	40.825	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	4	1.602	1.54	1.954	1.	0.217	0.466	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			34.641								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	4 ##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	10	50.5	53.2	77.	32.	296.844	17.229	32.1	36.75	68.75	76.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	10	165.	170.	250.	120.	1333.333	36.515	122.	147.5	192.5	245.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	10	10.3	9.92	12.3	7.2	3.68	1.918	7.26	7.875	11.65	12.28
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	10	2.3	2.31	3.5	1.	0.441	0.664	1.1	2.	2.625	3.45
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	10	7.45	7.44	8.3	6.9	0.16	0.401	6.91	7.075	7.625	8.24
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	10	7.447	7.303	8.3	6.9	0.181	0.426	6.91	7.075	7.625	8.24
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	10	0.036	0.05	0.126	0.005	0.002	0.039	0.007	0.024	0.085	0.123
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	10	72.	77.6	120.	50.	471.822	21.721	50.8	58.	95.5	118.
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	10	150.	143.	170.	120.	290.	17.029	120.	127.5	152.5	169.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	10	7.	7.9	13.	4.	8.544	2.923	4.1	5.75	10.5	12.9
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	10	0.775	0.772	1.4	0.3	0.118	0.344	0.306	0.488	1.025	1.37
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	10 ##	0.1	0.123	0.33	0.1	0.005	0.073	0.1	0.1	0.1	0.307
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	10 ##	0.015	0.02	0.05	0.01	0.	0.013	0.01	0.01	0.03	0.048
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	10	0.2	0.397	1.7	0.07	0.251	0.501	0.071	0.095	0.468	1.606
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	10	0.09	0.092	0.17	0.03	0.002	0.043	0.031	0.063	0.113	0.168
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	10	84.	88.4	120.	62.	237.156	15.4	63.8	81.5	100.	118.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	10	1.	1.4	3.	0.5	1.044	1.022	0.5	0.5	2.25	3.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	2	675.	675.	710.	640.	2450.	49.497	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	2 ##	15.	15.	20.	10.	50.	7.071	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	2	35.	35.	60.	10.	1250.	35.355	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	10	700.	1059.	4900.	10.	2011254.444	1418.187	26.	215.	1300.	4540.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	10	2.845	2.679	3.69	1.	0.514	0.717	1.123	2.329	3.114	3.633
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			477.34								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	10	50.	72.	330.	10.	8973.333	94.728	10.	17.5	80.	305.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	10	1.699	1.617	2.519	1.	0.223	0.472	1.	1.226	1.903	2.457
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			41.398								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	10 ##	0.05	0.079	0.21	0.05	0.003	0.054	0.05	0.05	0.108	0.202

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	11	51.	53.909	77.	32.	277.891	16.67	32.4	34.	70.	76.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	10	5.1	4.87	9.7	2.5	4.296	2.073	2.53	3.1	5.525	9.29
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	10	200.	184.	230.	80.	2115.556	45.995	85.	160.	212.5	229.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	11	9.6	9.836	13.	7.1	3.935	1.984	7.16	8.4	11.4	12.98
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	11	2.4	2.836	6.	1.5	1.659	1.288	1.52	2.	3.3	5.56
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	11	7.6	7.591	8.3	6.5	0.233	0.483	6.64	7.4	8.	8.26
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	11	7.6	7.286	8.3	6.5	0.335	0.579	6.64	7.4	8.	8.26
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	11	0.025	0.052	0.316	0.005	0.008	0.089	0.006	0.01	0.04	0.266
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	11	96.	88.727	110.	32.	516.218	22.72	38.4	84.	100.	110.
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	11	140.	145.727	210.	83.	1348.818	36.726	88.4	130.	180.	206.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	11	5.	16.273	100.	1.	841.018	29.	1.4	3.	12.	86.2
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	11	0.57	0.617	0.98	0.33	0.044	0.209	0.348	0.47	0.79	0.97
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	11 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	11 ##	0.01	0.013	0.03	0.01	0.	0.006	0.01	0.01	0.01	0.028
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	11	0.06	0.135	0.48	0.01	0.023	0.151	0.01	0.02	0.18	0.452
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	11	0.09	0.109	0.26	0.05	0.004	0.067	0.052	0.06	0.12	0.25
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	11	100.	96.636	110.	37.	464.055	21.542	46.8	90.	110.	110.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	10	3.5	4.2	9.	1.	4.844	2.201	1.2	3.	5.25	8.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	11 ##	5.	9.545	40.	5.	122.273	11.058	5.	5.	5.	36.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	11	240.	404.545	1100.	90.	107167.273	327.364	94.	140.	600.	1048.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	11 ##	5.	8.636	25.	5.	50.455	7.103	5.	5.	10.	24.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	11	50.	62.727	190.	10.	2401.818	49.008	12.	30.	80.	168.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	11 ##	5.	15.	80.	5.	520.	22.804	5.	5.	10.	70.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	11	270.	345.455	790.	20.	61287.273	247.563	32.	130.	490.	772.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	11	2.431	2.38	2.898	1.301	0.216	0.465	1.421	2.114	2.69	2.887
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			240.092								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	11	50.	110.	330.	10.	13280.	115.239	10.	10.	220.	308.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	11	1.699	1.713	2.519	1.	0.391	0.625	1.	1.	2.342	2.483
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			51.683								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	10 ##	0.08	0.159	0.47	0.05	0.023	0.153	0.05	0.05	0.298	0.458

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	10	59.	56.1	81.	32.	368.767	19.203	32.	32.75	73.25	80.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	10	4.	4.81	12.	2.4	8.279	2.877	2.43	2.7	5.95	11.44
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	10	180.	178.	260.	120.	2928.889	54.119	120.	120.	230.	257.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	10	8.9	9.11	12.9	6.9	3.328	1.824	6.94	7.375	10.225	12.64
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	10	2.5	2.855	7.8	0.25	4.845	2.201	0.325	1.075	3.75	7.53

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	10	7.75	7.75	8.3	7.1	0.134	0.366	7.14	7.5	8.025	8.28
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	10	7.725	7.611	8.3	7.1	0.155	0.394	7.14	7.5	8.025	8.28
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	10	0.019	0.024	0.079	0.005	0.	0.022	0.005	0.009	0.032	0.075
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	10	96.5	95.5	150.	58.	632.278	25.145	58.6	82.	102.5	146.
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	10	130.	129.	170.	110.	410.	20.248	110.	110.	142.5	168.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	10	9.	8.6	14.	2.	15.6	3.95	2.1	6.	11.	14.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	10	0.81	0.708	1.3	0.15	0.11	0.332	0.168	0.473	0.888	1.261
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	10 ##	0.1	0.145	0.26	0.1	0.005	0.073	0.1	0.1	0.238	0.26
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	10	0.02	0.029	0.09	0.01	0.001	0.026	0.01	0.01	0.043	0.086
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	10 ##	0.085	0.367	1.7	0.025	0.298	0.545	0.025	0.025	0.625	1.615
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	10	0.1	0.105	0.25	0.01	0.004	0.06	0.016	0.085	0.113	0.237
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	10	105.	102.6	150.	64.	583.156	24.149	65.	84.5	112.5	147.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	10	5.5	7.	17.	1.	24.	4.899	1.2	3.75	10.75	16.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	10 ##	5.	5.5	10.	5.	2.5	1.581	5.	5.	5.	9.5
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	10 ##	5.	16.7	90.	5.	734.456	27.101	5.	5.	15.5	84.2
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	10	320.	299.9	560.	79.	24093.433	155.221	83.1	150.	435.	549.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	10	46.5	49.1	100.	20.	615.656	24.812	20.	29.	65.5	97.3
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	10 ##	7.5	76.3	680.	5.	45030.456	212.204	5.	5.	15.75	614.4
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	10	595.	1187.	5400.	50.	2698801.111	1642.803	53.	117.5	1825.	5080.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	10	2.768	2.697	3.732	1.699	0.426	0.653	1.719	2.061	3.258	3.693
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			498.047								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	10	85.	138.	490.	10.	24840.	157.607	10.	10.	240.	468.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	10	1.858	1.773	2.69	1.	0.443	0.666	1.	1.	2.379	2.664
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			59.303								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	9	0.23	0.26	0.66	0.05	0.059	0.244	0.05	0.05	0.485	0.66

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	11	59.	53.545	76.	32.	322.473	17.958	32.	32.	72.	75.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	12	4.2	4.15	6.3	2.7	1.292	1.137	2.73	3.125	4.775	6.15
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	12	215.	227.5	470.	130.	7420.455	86.142	136.	182.5	247.5	410.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	12	9.1	9.117	13.5	6.6	3.414	1.848	6.63	7.875	10.	12.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	12	2.15	2.588	6.6	0.25	3.807	1.951	0.445	1.15	3.325	6.39
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	12	7.85	7.808	8.4	7.	0.181	0.425	7.09	7.45	8.1	8.37
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	12	7.847	7.608	8.4	7.	0.225	0.474	7.09	7.45	8.1	8.37
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	12	0.014	0.025	0.1	0.004	0.001	0.028	0.004	0.008	0.036	0.085
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	12	96.	102.667	260.	36.	3336.97	57.767	36.	76.	110.	224.
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	8	145.	175.	330.	90.	6400.	80.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	12	7.5	7.833	16.	3.	16.879	4.108	3.3	4.	10.75	15.1
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	8	0.625	0.648	1.	0.33	0.084	0.29	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	12 ##	0.1	0.163	0.33	0.1	0.007	0.084	0.1	0.1	0.245	0.309
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	8 ##	0.01	0.016	0.04	0.01	0.	0.012	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	12	0.275	0.41	1.9	0.025	0.27	0.519	0.042	0.085	0.475	1.57
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	12	0.11	0.164	0.5	0.06	0.02	0.14	0.063	0.07	0.193	0.467
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	12	105.	114.5	290.	52.	3780.455	61.485	56.2	82.	110.	251.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	4	3.5	3.5	4.	3.	0.333	0.577	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	12	4.	3.792	6.	0.5	2.975	1.725	0.65	3.	5.	6.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	12 ##	5.	6.25	20.	5.	18.75	4.33	5.	5.	5.	15.5
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	12 ##	5.	7.333	21.	5.	30.424	5.516	5.	5.	5.	19.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	9	440.	450.	910.	200.	47575.	218.117	200.	250.	545.	910.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	9	67.	73.889	140.	19.	2263.611	47.577	19.	29.	125.	140.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	12	15.	15.667	42.	5.	123.333	11.106	5.	5.	22.5	37.2
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	12	295.	1770.833	9200.	10.	8243299.242	2871.115	49.	182.5	2950.	8060.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	12	2.467	2.672	3.964	1.	0.665	0.815	1.344	2.258	3.437	3.894
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			469.408								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12	50.	619.167	3500.	10.	1288771.97	1135.241	10.	12.5	647.5	3170.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12	1.602	1.958	3.544	1.	0.908	0.953	1.	1.075	2.806	3.495
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			90.786								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	12 ##	0.15	0.208	0.42	0.05	0.029	0.169	0.05	0.05	0.378	0.414

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	8	62.	59.625	75.	37.	206.839	14.382	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	9	2.9	3.078	3.7	2.3	0.239	0.489	2.3	2.75	3.6	3.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	150.	175.778	420.	82.	9905.444	99.526	82.	115.	200.	420.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	9	9.	9.122	13.1	5.2	6.554	2.56	5.2	7.	11.35	13.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	9	1.7	1.744	3.8	0.6	0.853	0.923	0.6	1.15	2.15	3.8
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	9	7.8	7.744	8.2	7.3	0.115	0.34	7.3	7.35	8.05	8.2
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	9	7.8	7.628	8.2	7.3	0.13	0.361	7.3	7.35	8.05	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	9	0.016	0.024	0.05	0.006	0.	0.018	0.006	0.009	0.045	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	9	80.	76.667	94.	48.	306.	17.493	48.	62.	92.	94.
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	6.	5.444	10.	2.	5.528	2.351	2.	3.5	6.5	10.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	1	0.91	0.91	0.91	0.91	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9 ##	0.1	0.119	0.27	0.1	0.003	0.057	0.1	0.1	0.1	0.27
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	9	0.2	0.24	0.61	0.05	0.031	0.177	0.05	0.1	0.35	0.61
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	9	0.1	0.124	0.39	0.04	0.011	0.103	0.04	0.075	0.125	0.39
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	9	80.	99.556	280.	50.	5233.028	72.34	50.	54.	115.	280.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	9	3.	3.778	7.	2.	2.944	1.716	2.	2.5	5.	7.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	9	4.	4.667	16.	2.	18.75	4.33	2.	2.5	4.	16.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	9 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	8 ##	5.	11.75	59.	5.	364.5	19.092	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	9	770.	824.444	1700.	240.	164627.778	405.743	240.	600.	1010.	1700.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	9	75.	78.222	210.	21.	3010.694	54.87	21.	44.	88.5	210.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	9	31.	70.	370.	5.	12930.25	113.711	5.	23.	54.	370.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	9	790.	1024.444	3500.	110.	1135177.778	1065.447	110.	165.	1350.	3500.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	9	2.898	2.77	3.544	2.041	0.281	0.53	2.041	2.192	3.13	3.544
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			589.012								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	9	20.	64.444	230.	10.	5527.778	74.349	10.	20.	105.	230.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	9	1.301	1.584	2.362	1.	0.208	0.456	1.	1.301	1.996	2.362
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			38.371								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	9 ##	0.05	0.052	0.07	0.05	0.	0.007	0.05	0.05	0.05	0.07

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	12	49.	52.917	76.	33.	283.174	16.828	33.	35.75	69.75	76.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	12	2.95	8.05	54.	2.2	214.285	14.638	2.29	2.625	5.7	40.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	11	160.	169.091	220.	120.	729.091	27.002	126.	150.	190.	214.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	12	9.05	9.3	11.8	7.2	1.378	1.174	7.5	8.75	9.975	11.44
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	12	2.35	2.358	4.	1.1	1.286	1.134	1.1	1.25	3.6	3.97
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	12	7.8	7.75	8.2	7.2	0.094	0.306	7.26	7.5	7.9	8.2
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	12	7.8	7.651	8.2	7.2	0.104	0.323	7.26	7.5	7.9	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	12	0.016	0.022	0.063	0.006	0.	0.017	0.006	0.013	0.032	0.056
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	12	88.	87.333	130.	52.	392.242	19.805	55.6	77.	99.5	121.
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	5	130.	132.	150.	120.	120.	10.954	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	12	6.	12.354	66.	0.25	326.232	18.062	0.475	2.25	14.75	52.5
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	5	0.87	0.792	1.2	0.15	0.155	0.394	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	12 ##	0.1	0.169	0.93	0.1	0.057	0.24	0.1	0.1	0.1	0.681
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	5	0.02	0.015	0.02	0.005	0.	0.007	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	11	0.2	0.251	0.48	0.025	0.028	0.166	0.03	0.13	0.46	0.476
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	12	0.09	0.097	0.18	0.05	0.001	0.038	0.05	0.07	0.125	0.168
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	12	82.	85.083	130.	51.	632.447	25.148	51.	67.5	100.	127.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	10	5.	5.2	7.	3.	1.733	1.317	3.1	4.	6.25	7.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	12	4.	3.917	6.	2.	1.356	1.165	2.3	3.	5.	5.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	12 ##	0.075	0.076	0.11	0.05	0.001	0.027	0.05	0.05	0.1	0.107
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	12 ##	5.	6.	17.	5.	12.	3.464	5.	5.	5.	13.4
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	12	585.	595.833	1000.	350.	44226.515	210.301	362.	407.5	752.5	973.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	12 ##	5.	5.417	10.	5.	2.083	1.443	5.	5.	5.	8.5
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	12	86.5	93.333	240.	5.	3268.061	57.167	15.8	67.	115.	207.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	12	11.5	13.583	25.	5.	49.902	7.064	5.	6.25	19.5	24.4
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	12	395.	544.167	1700.	50.	295553.788	543.649	50.	65.	790.	1580.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	12	2.591	2.45	3.23	1.699	0.339	0.582	1.699	1.785	2.898	3.195
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			281.743								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12 ##	10.	62.5	490.	10.	19275.	138.834	10.	10.	20.	382.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12 ##	1.	1.309	2.69	1.	0.293	0.541	1.	1.	1.301	2.517
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			20.367								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	12 ##	0.05	0.157	0.46	0.05	0.023	0.15	0.05	0.05	0.28	0.436

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	11	45.	48.727	75.	32.	250.218	15.818	32.4	34.	64.	73.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	12	2.65	3.05	6.6	1.3	2.243	1.498	1.45	2.025	3.6	6.12
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	12	165.	177.333	340.	88.	4652.606	68.21	94.6	120.	215.	310.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	12	8.9	9.333	13.3	6.7	5.253	2.292	6.82	7.425	11.675	13.15
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	12	2.6	2.85	7.1	0.9	2.572	1.604	1.05	1.825	3.625	6.11
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	12	7.75	7.875	8.5	7.4	0.147	0.384	7.43	7.6	8.2	8.5
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	12	7.747	7.749	8.5	7.4	0.165	0.406	7.43	7.6	8.2	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	12	0.018	0.018	0.04	0.003	0.	0.012	0.003	0.006	0.025	0.037
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	12	88.	84.5	120.	42.	590.818	24.307	45.9	61.25	107.5	117.
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	12	130.	123.417	150.	82.	394.992	19.874	87.1	105.	137.5	147.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	12	6.5	6.25	12.	1.	14.023	3.745	1.	2.5	9.	11.7
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	12	0.675	0.664	1.1	0.15	0.06	0.244	0.228	0.525	0.833	1.04
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	12 ##	0.1	0.19	0.77	0.1	0.037	0.193	0.1	0.1	0.238	0.611
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	12	0.01	0.015	0.05	0.005	0.	0.013	0.005	0.006	0.02	0.044
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	12	0.4	0.353	0.74	0.05	0.049	0.22	0.05	0.125	0.518	0.695
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	12	0.06	0.083	0.24	0.04	0.003	0.058	0.04	0.043	0.098	0.21
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	12	90.	85.833	120.	47.	443.061	21.049	49.4	72.	98.5	117.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	12	4.35	4.592	8.2	1.9	4.077	2.019	2.02	3.075	5.975	8.08
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	12	5.5	5.208	8.	0.5	4.794	2.189	0.95	4.25	7.	7.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	12 ##	0.05	0.069	0.15	0.05	0.001	0.036	0.05	0.05	0.088	0.144
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	12	575.	640.833	1200.	220.	75226.515	274.275	268.	425.	867.5	1113.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	12 ##	5.	7.583	28.	5.	46.629	6.829	5.	5.	5.	23.5
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	12	60.	61.25	130.	5.	2007.114	44.801	5.	16.5	97.5	130.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	12 ##	5.	5.5	11.	5.	3.	1.732	5.	5.	5.	9.2
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	12	19.	21.75	56.	5.	201.659	14.201	5.	14.	31.75	49.4
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	12	245.	260.833	700.	10.	44208.333	210.258	22.	57.5	427.5	628.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	12	2.368	2.206	2.845	1.	0.288	0.537	1.21	1.75	2.627	2.79
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			160.778								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12	20.	61.667	310.	10.	7796.97	88.3	10.	10.	95.	256.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12	1.301	1.471	2.491	1.	0.277	0.527	1.	1.	1.956	2.378
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			29.55								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	11 ##	0.05	0.153	0.41	0.05	0.02	0.14	0.05	0.05	0.31	0.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	12	42.5	48.333	77.	32.	297.333	17.243	32.	32.5	65.25	76.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	12	4.25	4.908	15.	1.8	12.488	3.534	1.83	2.4	5.775	12.45
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	12	180.	173.333	220.	80.	1206.061	34.728	104.	160.	197.5	214.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	12	9.3	9.358	12.5	4.6	5.29	2.3	5.08	8.4	11.15	12.38
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	12	1.65	1.725	2.9	0.5	0.722	0.85	0.53	0.825	2.5	2.9
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	12	7.75	7.742	8.1	7.3	0.057	0.239	7.33	7.6	7.9	8.07
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	12	7.747	7.678	8.1	7.3	0.062	0.248	7.33	7.6	7.9	8.07
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	12	0.018	0.021	0.05	0.008	0.	0.013	0.009	0.013	0.025	0.047
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	12	96.	93.25	120.	32.	515.114	22.696	46.4	86.25	110.	117.
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	12	135.	133.25	160.	79.	470.386	21.688	88.3	130.	150.	157.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	12	4.5	5.167	18.	1.	23.788	4.877	1.	1.25	7.5	15.3
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	12	0.515	0.717	2.7	0.15	0.484	0.696	0.15	0.32	0.95	2.22
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	12 ##	0.1	0.163	0.36	0.1	0.009	0.097	0.1	0.1	0.265	0.339
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	12	0.02	0.024	0.07	0.005	0.	0.017	0.007	0.013	0.03	0.058
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	12	0.305	0.323	0.63	0.05	0.048	0.218	0.05	0.123	0.523	0.624
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	12	0.07	0.071	0.15	0.029	0.001	0.035	0.032	0.04	0.087	0.138
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	12	96.5	98.083	120.	40.	484.992	22.023	55.	90.25	117.5	120.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	12	3.65	3.8	6.2	1.7	1.327	1.152	1.97	3.225	4.5	5.81
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	12	4.5	4.917	8.	3.	2.447	1.564	3.3	4.	5.	8.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	12	0.1	0.174	1.2	0.05	0.105	0.324	0.05	0.05	0.11	0.873
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	12	415.	814.167	4500.	220.	1411044.697	1187.874	241.	330.	582.5	3510.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	12	81.5	105.	250.	41.	3860.545	62.133	45.2	67.	152.5	229.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	12	14.5	15.	34.	5.	109.636	10.471	5.	5.	25.	31.9
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	12	145.	632.417	4900.	10.	1894811.902	1376.522	19.	57.25	367.5	3760.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	12	2.155	2.23	3.69	1.	0.501	0.708	1.181	1.749	2.564	3.496
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			169.817								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12	15.	140.167	1300.	2.	135022.152	367.454	4.4	10.	80.	949.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12	1.151	1.411	3.114	0.301	0.544	0.737	0.511	1.	1.903	2.814
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			25.789								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	12	11.5	10.625	24.	0.	85.278	9.235	0.	1.	19.375	23.55
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	12	4.5	5.333	10.	2.6	4.13	2.032	3.02	4.125	6.425	9.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	12	210.	210.833	260.	160.	917.424	30.289	160.	200.	237.5	254.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	12	9.	9.258	13.6	6.2	6.295	2.509	6.26	6.85	10.7	13.54
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	12	1.45	2.042	5.8	0.9	2.375	1.541	0.93	1.025	2.25	5.41
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	12	8.	8.008	8.6	7.6	0.092	0.303	7.6	7.75	8.175	8.54
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	12	8.	7.921	8.6	7.6	0.1	0.316	7.6	7.75	8.175	8.54
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	12	0.01	0.012	0.025	0.003	0.	0.008	0.003	0.007	0.018	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	8	94.	89.75	110.	40.	448.5	21.178	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	12	140.	131.417	160.	77.	534.992	23.13	83.9	122.5	147.5	157.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	12	7.	6.9	12.	0.8	10.484	3.238	1.76	4.	9.	11.7
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	12	0.5	0.472	0.62	0.15	0.016	0.126	0.219	0.403	0.55	0.617
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	12 ##	0.1	0.126	0.29	0.1	0.004	0.062	0.1	0.1	0.1	0.269
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	7	0.02	0.016	0.04	0.005	0.	0.013	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	7	0.15	0.287	0.76	0.005	0.104	0.322	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	5	0.16	0.178	0.38	0.02	0.021	0.145	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	12	0.051	0.047	0.075	0.02	0.	0.018	0.021	0.032	0.059	0.074
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	8	105.	98.875	120.	47.	504.982	22.472	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	8	3.8	3.587	4.1	2.2	0.378	0.615	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	12	4.	4.	5.	3.	0.364	0.603	3.	4.	4.	5.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	8	0.1	0.084	0.12	0.05	0.001	0.029	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	8	480.	490.	1000.	110.	117200.	342.345	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	8	155.	135.625	190.	56.	2265.125	47.593	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	9	10.	9.556	18.	5.	23.278	4.825	5.	5.	13.	18.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	7	110.	594.286	3100.	10.	1251161.905	1118.553	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	7	2.041	2.178	3.491	1.	0.653	0.808	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			150.691								
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12 ##	10.	23.333	80.	10.	715.152	26.742	10.	10.	20.	80.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12 ##	1.	1.201	1.903	1.	0.121	0.348	1.	1.	1.301	1.903
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.874								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	12	7.5	10.75	25.	1.	85.159	9.228	1.	1.75	20.75	24.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	9	8.	7.256	12.	2.3	11.86	3.444	2.3	4.	10.	12.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	12	205.	202.5	270.	120.	1638.636	40.48	132.	177.5	217.5	267.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	12	9.35	9.333	11.9	7.2	2.392	1.546	7.23	8.1	10.2	11.81
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	12	1.5	1.971	4.7	0.25	2.128	1.459	0.355	0.825	3.475	4.4
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	6	7.9	7.817	8.1	7.4	0.058	0.24	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	6	7.9	7.755	8.1	7.4	0.062	0.249	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	6	0.013	0.018	0.04	0.008	0.	0.012	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	6	7.7	7.617	8.1	6.7	0.234	0.483	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	6	7.7	7.323	8.1	6.7	0.337	0.581	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	6	0.02	0.048	0.2	0.008	0.006	0.075	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	3	88.	96.667	120.	82.	417.333	20.429	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	9	140.	141.111	160.	130.	111.111	10.541	130.	130.	150.	160.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	12	4.	5.125	18.	0.25	23.813	4.88	0.25	2.	7.	15.3
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	12	0.68	0.671	1.	0.36	0.045	0.213	0.363	0.51	0.87	0.979
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	12 ##	0.1	0.113	0.25	0.1	0.002	0.043	0.1	0.1	0.1	0.205
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	12	0.28	0.345	1.1	0.03	0.104	0.323	0.033	0.053	0.555	0.965

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	12	0.051	0.059	0.176	0.023	0.002	0.04	0.023	0.04	0.062	0.147
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	3	94.	105.	130.	91.	471.	21.703	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	3	3.5	3.7	4.4	3.2	0.39	0.624	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	9	4.	3.889	5.	2.	0.861	0.928	2.	3.5	4.5	5.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	3 ##	5.	11.667	25.	5.	133.333	11.547	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	3	450.	376.667	510.	170.	32933.333	181.475	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	3 ##	5.	11.667	25.	5.	133.333	11.547	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	3	76.	73.667	130.	15.	3310.333	57.535	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	3 ##	5.	11.667	25.	5.	133.333	11.547	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	3 ##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12	20.	49.167	230.	10.	4262.879	65.291	10.	10.	72.5	194.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12	1.301	1.434	2.362	1.	0.213	0.462	1.	1.	1.852	2.266
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			27.171								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	12	6.5	10.25	24.	0.	98.614	9.93	0.15	1.125	21.	24.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	12	190.	184.25	230.	86.	1585.841	39.823	105.2	162.5	217.5	227.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	12	9.55	9.167	13.4	6.1	4.308	2.076	6.16	7.55	10.175	12.74
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	12	1.65	1.592	2.7	0.6	0.537	0.733	0.6	0.85	2.075	2.7
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	12	7.45	7.483	8.1	6.8	0.169	0.411	6.86	7.075	7.875	8.04
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	12	7.447	7.309	8.1	6.8	0.202	0.449	6.86	7.075	7.875	8.04
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	12	0.036	0.049	0.158	0.008	0.002	0.047	0.009	0.013	0.088	0.141
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	12	4.	5.	11.	2.	9.455	3.075	2.	2.25	6.75	10.7
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	12	0.74	0.673	1.	0.28	0.072	0.268	0.289	0.405	0.905	0.991
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	12	0.13	0.185	0.45	0.045	0.015	0.124	0.062	0.1	0.275	0.423
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	12	0.25	0.315	0.62	0.03	0.04	0.199	0.057	0.175	0.545	0.611
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	12	0.057	0.103	0.555	0.022	0.021	0.145	0.025	0.048	0.08	0.427
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12	20.	462.5	4900.	10.	1961002.273	1400.358	10.	12.5	95.	3529.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	12	1.301	1.654	3.69	1.	0.621	0.788	1.	1.075	1.956	3.339
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			45.118								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	11	11.	10.955	24.	0.	87.223	9.339	0.	0.5	20.	23.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	11	200.	216.364	460.	80.	11385.455	106.703	92.	140.	230.	440.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	11	9.1	9.145	13.3	6.2	3.657	1.912	6.34	8.3	10.2	12.74
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	11	1.6	1.718	2.7	0.9	0.354	0.595	0.92	1.4	2.1	2.68
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	11	7.8	7.818	8.	7.5	0.026	0.16	7.54	7.7	8.	8.
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	11	7.8	7.79	8.	7.5	0.027	0.163	7.54	7.7	8.	8.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	11	0.016	0.016	0.032	0.01	0.	0.006	0.01	0.01	0.02	0.029
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	11	6.	9.255	40.	0.8	131.953	11.487	1.04	2.	10.	36.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	11	0.63	0.628	1.03	0.23	0.067	0.259	0.244	0.46	0.86	1.022
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	11	0.15	0.135	0.25	0.04	0.005	0.068	0.04	0.09	0.18	0.244

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	10	0.765	0.794	1.08	0.48	0.045	0.211	0.487	0.64	1.033	1.079
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	11	0.13	0.269	0.84	0.01	0.076	0.276	0.016	0.06	0.43	0.8
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	11	0.061	0.069	0.124	0.032	0.001	0.031	0.032	0.037	0.098	0.12
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	2	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	2	2.5	2.5	4.	1.	4.5	2.121	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	2	6.5	6.5	8.	5.	4.5	2.121	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	11 ##	10.	28.182	80.	10.	796.364	28.22	10.	10.	50.	80.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	11 ##	1.	1.282	1.903	1.	0.142	0.377	1.	1.	1.699	1.903
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			19.163								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	10	11.5	10.85	23.	0.	66.892	8.179	0.	3.	18.375	22.65
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	10	200.	207.1	260.	150.	1287.656	35.884	152.	187.25	243.5	260.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	5	3.	3.6	7.	1.	4.8	2.191	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	10	9.35	9.04	10.7	7.1	1.709	1.307	7.12	7.525	10.25	10.67
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	10	1.3	1.56	3.4	0.8	0.616	0.785	0.8	0.95	2.025	3.27
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	10	7.65	7.63	7.9	7.1	0.049	0.221	7.14	7.575	7.8	7.89
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	10	7.647	7.568	7.9	7.1	0.053	0.231	7.14	7.575	7.8	7.89
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	10	0.023	0.027	0.079	0.013	0.	0.019	0.013	0.016	0.027	0.075
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	10	6.	7.	13.	1.	12.222	3.496	1.3	5.5	10.25	12.8
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	10	0.54	0.538	0.85	0.25	0.047	0.218	0.253	0.288	0.718	0.845
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	10	0.12	0.137	0.26	0.06	0.003	0.055	0.065	0.11	0.173	0.252
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	10	0.73	0.675	1.02	0.37	0.052	0.227	0.373	0.408	0.863	1.005
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	10	0.175	0.258	0.6	0.04	0.056	0.237	0.041	0.05	0.573	0.598
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	10	0.071	0.87	7.8	0.022	5.948	2.439	0.022	0.024	0.189	7.069
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	1	96.	96.	96.	96.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	1	21.	21.	21.	21.	0.	0.	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	10 ##	10.	25.	130.	10.	1383.333	37.193	10.	10.	20.	119.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	10 ##	1.	1.202	2.114	1.	0.123	0.351	1.	1.	1.301	2.033
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.911								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	15.	13.833	23.	1.	72.25	8.5	1.	5.5	22.5	23.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	170.	171.111	240.	120.	1386.111	37.231	120.	135.	190.	240.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	9	5.5	5.333	11.	1.	7.688	2.773	1.	3.5	6.5	11.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	9	8.	8.811	13.	5.8	6.299	2.51	5.8	6.35	10.85	13.
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	9	1.5	1.478	1.9	0.6	0.172	0.415	0.6	1.25	1.8	1.9
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	7.7	7.756	8.3	7.4	0.07	0.265	7.4	7.55	7.9	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	7.7	7.693	8.3	7.4	0.075	0.273	7.4	7.55	7.9	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.02	0.02	0.04	0.005	0.	0.011	0.005	0.013	0.028	0.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	8	90.5	94.75	180.	36.	1852.214	43.037	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	5.	6.333	16.	1.	19.5	4.416	1.	3.5	8.5	16.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.71	0.724	0.98	0.28	0.055	0.234	0.28	0.57	0.94	0.98
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.09	0.113	0.18	0.05	0.003	0.05	0.05	0.07	0.17	0.18
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	9	0.86	0.838	1.12	0.33	0.071	0.267	0.33	0.66	1.055	1.12
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	8	0.135	0.216	0.59	0.04	0.038	0.195	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	9	0.059	0.058	0.078	0.046	0.	0.01	0.046	0.049	0.065	0.078
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	8	90.	86.875	120.	59.	370.411	19.246	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	9	50.	35.556	70.	10.	527.778	22.973	10.	10.	50.	70.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	9	1.699	1.438	1.845	1.	0.129	0.359	1.	1.	1.699	1.845
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			27.416								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	15.	15.	26.	2.	76.563	8.75	2.	6.25	23.5	26.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	190.	174.111	230.	110.	1969.611	44.38	110.	128.5	215.	230.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	9	6.5	5.722	9.	2.	5.569	2.36	2.	3.5	7.5	9.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	9	8.5	8.478	10.7	6.	2.222	1.491	6.	7.3	9.65	10.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	8	1.5	1.394	2.2	0.25	0.433	0.658	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	7.8	7.767	8.4	7.3	0.093	0.304	7.3	7.55	7.85	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	7.8	7.683	8.4	7.3	0.1	0.317	7.3	7.55	7.85	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.016	0.021	0.05	0.004	0.	0.013	0.004	0.014	0.028	0.05
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	6.	5.556	9.	1.	5.778	2.404	1.	4.	7.5	9.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	8	0.63	0.627	1.06	0.28	0.057	0.239	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	8	0.115	0.124	0.21	0.05	0.002	0.05	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	8	0.765	0.751	1.17	0.43	0.051	0.225	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	8	0.115	0.226	0.66	0.04	0.061	0.247	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	8	0.058	0.051	0.078	0.01	0.001	0.026	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	9 ##	10.	42.222	230.	10.	5494.444	74.125	10.	10.	45.	230.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	9 ##	1.	1.252	2.362	1.	0.262	0.512	1.	1.	1.452	2.362
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.85								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	10	16.	14.45	27.5	0.	89.303	9.45	0.1	7.	23.75	27.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	160.	158.889	210.	110.	1011.111	31.798	110.	130.	180.	210.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	10	4.5	5.35	8.5	2.	4.558	2.135	2.2	4.	7.25	8.45
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	10	9.35	9.15	13.2	6.6	4.145	2.036	6.64	7.375	10.35	12.93
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	9	1.7	1.533	2.1	0.9	0.165	0.406	0.9	1.15	1.8	2.1
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	7.7	7.8	8.1	7.6	0.032	0.18	7.6	7.7	7.95	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	7.7	7.771	8.1	7.6	0.033	0.183	7.6	7.7	7.95	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.02	0.017	0.025	0.008	0.	0.006	0.008	0.012	0.02	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	7.	5.917	10.	0.25	11.	3.317	0.25	3.	9.	10.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.86	0.83	0.98	0.61	0.012	0.111	0.61	0.77	0.915	0.98

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.11	0.118	0.19	0.08	0.001	0.036	0.08	0.09	0.14	0.19
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	9	0.94	0.948	1.12	0.72	0.015	0.121	0.72	0.875	1.04	1.12
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	9	0.16	0.189	0.45	0.05	0.016	0.127	0.05	0.08	0.265	0.45
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	9	0.068	0.066	0.083	0.03	0.	0.017	0.03	0.056	0.08	0.083
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	9	20.	22.222	50.	10.	194.444	13.944	10.	10.	30.	50.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	9	1.301	1.278	1.699	1.	0.065	0.254	1.	1.	1.452	1.699
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.982								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	14.	13.611	25.	0.	80.861	8.992	0.	4.5	21.75	25.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	190.	168.889	210.	120.	1586.111	39.826	120.	130.	205.	210.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	9	7.	6.222	10.	2.	8.444	2.906	2.	3.5	9.	10.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	8	7.75	8.35	12.8	5.5	4.946	2.224	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	9	1.4	1.444	2.2	1.	0.12	0.347	1.	1.2	1.6	2.2
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	7.7	7.778	8.	7.6	0.022	0.148	7.6	7.65	7.9	8.
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	7.7	7.756	8.	7.6	0.022	0.15	7.6	7.65	7.9	8.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.02	0.018	0.025	0.01	0.	0.006	0.01	0.013	0.023	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	7.	6.556	11.	1.	8.528	2.92	1.	5.	8.	11.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.74	0.73	1.42	0.42	0.09	0.3	0.42	0.47	0.8	1.42
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.11	0.153	0.4	0.08	0.01	0.099	0.08	0.1	0.175	0.4
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	9	0.88	0.883	1.82	0.52	0.152	0.39	0.52	0.575	0.94	1.82
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	9	0.14	0.238	0.54	0.06	0.036	0.189	0.06	0.1	0.455	0.54
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	8	0.065	0.089	0.238	0.05	0.004	0.063	**	**	**	**
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	8 ##	10.	18.75	80.	10.	612.5	24.749	**	**	**	**
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	8 ##	1.	1.113	1.903	1.	0.102	0.319	**	**	**	**
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			12.968								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	15.	13.667	24.	0.	68.25	8.261	0.	6.	20.	24.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	170.	263.444	730.	91.	48306.778	219.788	91.	155.	365.	730.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	9	3.	4.167	11.5	2.	8.25	2.872	2.	3.	4.5	11.5
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	9	7.8	8.811	12.9	6.9	4.106	2.026	6.9	7.15	10.25	12.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	8	1.4	1.388	2.3	0.7	0.276	0.525	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	7.8	7.767	8.1	7.3	0.048	0.218	7.3	7.7	7.9	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	7.8	7.712	8.1	7.3	0.051	0.226	7.3	7.7	7.9	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.016	0.019	0.05	0.008	0.	0.012	0.008	0.013	0.02	0.05
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	6.	6.111	13.	2.	10.111	3.18	2.	4.	7.5	13.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.64	0.706	1.17	0.39	0.056	0.236	0.39	0.59	0.85	1.17
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.11	0.129	0.25	0.05	0.004	0.059	0.05	0.105	0.16	0.25
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	9	0.76	0.834	1.37	0.5	0.069	0.262	0.5	0.67	1.005	1.37
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	9	0.11	0.193	0.65	0.06	0.04	0.201	0.06	0.085	0.265	0.65
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	9	0.062	0.152	0.732	0.046	0.048	0.22	0.046	0.053	0.129	0.732

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	7	4.	7.571	16.	2.	36.619	6.051	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	7	0.602	0.741	1.204	0.301	0.149	0.387	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			5.507								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	14.5	14.444	25.5	1.	91.09	9.544	1.	4.	23.	25.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	140.	155.556	220.	120.	1177.778	34.319	120.	130.	180.	220.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	9	3.	2.722	4.	0.	1.694	1.302	0.	2.	4.	4.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	9	8.	8.667	11.9	6.7	3.243	1.801	6.7	7.1	10.05	11.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	3	0.8	1.033	1.6	0.7	0.243	0.493	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	7.6	7.644	8.	7.4	0.04	0.201	7.4	7.45	7.8	8.
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	7.6	7.606	8.	7.4	0.042	0.205	7.4	7.45	7.8	8.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.025	0.025	0.04	0.01	0.	0.011	0.01	0.016	0.036	0.04
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	4.	3.667	6.	1.	2.25	1.5	1.	2.5	4.5	6.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.61	0.567	0.82	0.18	0.055	0.235	0.18	0.345	0.76	0.82
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.08	0.081	0.12	0.04	0.001	0.025	0.04	0.06	0.1	0.12
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	9	0.71	0.656	0.89	0.32	0.044	0.211	0.32	0.465	0.825	0.89
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	9	0.08	0.186	0.59	0.04	0.045	0.213	0.04	0.055	0.34	0.59
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	9	0.051	0.057	0.118	0.037	0.001	0.024	0.037	0.048	0.056	0.118
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	6 ##	3.25	10.417	32.	2.	161.042	12.69	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	6 ##	0.477	0.727	1.505	0.301	0.297	0.545	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			5.334								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	16.	15.444	28.	0.	123.278	11.103	0.	4.	27.	28.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	210.	212.222	250.	190.	369.444	19.221	190.	195.	225.	250.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	9	2.	2.222	4.	1.	1.694	1.302	1.	1.	3.5	4.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	9	8.6	8.822	12.8	4.5	7.952	2.82	4.5	6.35	11.4	12.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	3	1.6	1.667	2.	1.4	0.093	0.306	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	8.	8.044	8.3	7.8	0.035	0.188	7.8	7.85	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	8.	8.009	8.3	7.8	0.037	0.192	7.8	7.85	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.01	0.01	0.016	0.005	0.	0.004	0.005	0.006	0.014	0.016
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	4.	4.889	10.	1.	6.611	2.571	1.	3.5	6.5	10.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.49	0.476	0.53	0.39	0.003	0.054	0.39	0.425	0.525	0.53
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.1	0.129	0.26	0.06	0.005	0.072	0.06	0.07	0.2	0.26
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	9	0.6	0.604	0.78	0.45	0.01	0.1	0.45	0.525	0.675	0.78
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	9	0.08	0.184	0.6	0.03	0.039	0.198	0.03	0.045	0.32	0.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	9	0.038	0.04	0.058	0.027	0.	0.01	0.027	0.032	0.047	0.058
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9 ##	2.	4.222	8.	2.	8.444	2.906	2.	2.	8.	8.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	9 ##	0.301	0.535	0.903	0.301	0.086	0.293	0.301	0.301	0.903	0.903
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			3.429								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	17.	13.778	27.	0.	100.694	10.035	0.	4.5	23.5	27.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	200.	202.222	250.	150.	1044.444	32.318	150.	180.	225.	250.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	9	4.	4.889	8.5	1.	7.236	2.69	1.	2.75	7.75	8.5
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	9	9.9	9.556	12.	6.4	3.623	1.903	6.4	8.	11.	12.
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	9	1.7	1.811	3.6	0.8	0.594	0.77	0.8	1.35	2.	3.6
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	8.1	8.178	8.8	7.9	0.084	0.291	7.9	7.95	8.35	8.8
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	8.1	8.109	8.8	7.9	0.09	0.3	7.9	7.95	8.35	8.8
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.008	0.008	0.013	0.002	0.	0.004	0.002	0.004	0.011	0.013
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	6.	5.333	8.	1.	5.5	2.345	1.	3.5	7.5	8.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.48	0.617	1.03	0.39	0.059	0.242	0.39	0.445	0.865	1.03
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.1	0.094	0.17	0.04	0.002	0.046	0.04	0.055	0.13	0.17
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	9	0.62	0.711	1.09	0.49	0.046	0.215	0.49	0.54	0.915	1.09
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	9	0.08	0.184	0.61	0.02	0.05	0.223	0.02	0.035	0.345	0.61
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	9	0.049	0.049	0.072	0.019	0.	0.015	0.019	0.039	0.06	0.072
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9	8.	8.556	28.	2.	63.715	7.982	2.	3.25	10.	28.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	9	0.903	0.794	1.447	0.301	0.134	0.366	0.301	0.477	0.991	1.447
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			6.22								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	8	20.	17.813	26.	2.	65.71	8.106	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	8	195.	192.5	260.	120.	1792.857	42.342	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	7	4.	4.	7.	2.	2.333	1.528	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	8	8.55	8.625	10.5	7.	1.922	1.386	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	8	2.1	1.975	2.4	1.2	0.142	0.377	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	8	8.1	8.1	8.4	7.6	0.091	0.302	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	8	8.089	8.004	8.4	7.6	0.102	0.319	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	8	0.008	0.01	0.025	0.004	0.	0.007	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	8	9.	10.125	23.	4.	32.982	5.743	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	8	0.655	0.74	1.22	0.56	0.049	0.222	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	8	0.065	0.099	0.28	0.06	0.006	0.075	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	8	0.79	0.839	1.28	0.65	0.041	0.204	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	8	0.035	0.163	0.97	0.02	0.108	0.328	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	8	0.051	0.055	0.105	0.005	0.001	0.031	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	8 ##	2.	16.5	110.	2.	1431.714	37.838	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	8 ##	0.301	0.631	2.041	0.301	0.373	0.61	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			4.28								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	16.	14.389	24.	1.	69.111	8.313	1.	6.75	22.5	24.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	170.	221.111	540.	130.	15436.111	124.242	130.	165.	230.	540.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	9	5.	5.444	12.	3.	7.278	2.698	3.	3.5	6.	12.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	9	8.2	8.444	11.	5.7	2.603	1.613	5.7	7.3	9.7	11.
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	9	1.4	1.722	2.9	0.8	0.502	0.708	0.8	1.2	2.4	2.9
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	8.	7.967	8.4	7.6	0.048	0.218	7.6	7.85	8.05	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	8.	7.921	8.4	7.6	0.05	0.223	7.6	7.85	8.05	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.01	0.012	0.025	0.004	0.	0.006	0.004	0.009	0.014	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	4.	7.556	37.	2.	123.528	11.114	2.	3.	5.5	37.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.8	0.782	1.06	0.34	0.049	0.221	0.34	0.65	0.975	1.06
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.08	0.1	0.2	0.02	0.003	0.056	0.02	0.06	0.14	0.2
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	9	0.93	0.882	1.2	0.46	0.052	0.228	0.46	0.72	1.06	1.2
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	9	0.19	0.228	0.53	0.05	0.024	0.154	0.05	0.1	0.32	0.53
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	9	0.055	0.055	0.078	0.037	0.	0.013	0.037	0.044	0.065	0.078
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9 ##	2.	16.667	120.	2.	1508.	38.833	2.	2.	8.	120.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	9 ##	0.301	0.666	2.079	0.301	0.347	0.589	0.301	0.301	0.903	2.079
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			4.633								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	19.	14.667	27.	0.	108.313	10.407	0.	3.75	23.5	27.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	170.	167.444	230.	97.	2221.278	47.13	97.	125.	210.	230.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	9	4.	4.111	8.	1.	5.861	2.421	1.	2.	6.	8.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	9	8.3	8.111	10.7	5.5	3.849	1.962	5.5	6.2	9.8	10.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	9	1.6	1.578	2.3	1.	0.134	0.367	1.	1.35	1.75	2.3
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	7.8	7.8	8.	7.6	0.023	0.15	7.6	7.65	7.95	8.
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	7.8	7.777	8.	7.6	0.023	0.152	7.6	7.65	7.95	8.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.016	0.017	0.025	0.01	0.	0.006	0.01	0.011	0.023	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	4.	4.889	13.	1.	10.861	3.296	1.	3.5	5.	13.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.93	0.879	1.32	0.49	0.109	0.33	0.49	0.565	1.235	1.32
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.05	0.049	0.08	0.01	0.001	0.023	0.01	0.035	0.07	0.08
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	9	0.94	0.927	1.4	0.57	0.112	0.335	0.57	0.6	1.29	1.4
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	9	0.2	0.251	0.68	0.08	0.039	0.198	0.08	0.11	0.35	0.68
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	9	0.043	0.047	0.088	0.005	0.001	0.024	0.005	0.035	0.065	0.088
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	3	76.	79.667	96.	67.	220.333	14.844	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	2 ##	1.	1.	1.5	0.5	0.5	0.707	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	1	3900.	3900.	3900.	3900.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	2 ##	1.75	1.75	2.	1.5	0.125	0.354	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	1	430.	430.	430.	430.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	2 ##	4.	4.	5.	3.	2.	1.414	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9	4.	21.333	100.	2.	1050.	32.404	2.	2.	34.	100.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	9	0.602	0.883	2.	0.301	0.445	0.667	0.301	0.301	1.531	2.
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			7.638								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	16.5	14.222	23.5	2.	71.194	8.438	2.	6.	22.25	23.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	190.	168.889	220.	120.	1186.111	34.44	120.	135.	190.	220.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	9	2.	2.889	5.	1.	2.111	1.453	1.	2.	4.5	5.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	9	8.8	9.267	12.9	6.7	4.103	2.025	6.7	7.65	11.05	12.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	9	1.3	1.344	2.	0.8	0.183	0.428	0.8	0.95	1.75	2.
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	8.2	8.022	8.3	7.6	0.089	0.299	7.6	7.7	8.3	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	8.2	7.928	8.3	7.6	0.1	0.315	7.6	7.7	8.3	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.006	0.012	0.025	0.005	0.	0.008	0.005	0.005	0.02	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	4.	5.111	14.	1.	15.111	3.887	1.	3.	7.	14.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.56	0.557	0.85	0.32	0.03	0.174	0.32	0.39	0.68	0.85
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.03	0.053	0.12	0.01	0.002	0.044	0.01	0.015	0.1	0.12
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	9	0.61	0.608	0.85	0.34	0.027	0.166	0.34	0.495	0.735	0.85
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	9	0.16	0.202	0.45	0.01	0.02	0.142	0.01	0.1	0.325	0.45
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	9	0.043	0.041	0.073	0.005	0.	0.019	0.005	0.032	0.05	0.073
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9	4.	12.889	52.	2.	290.111	17.033	2.	3.	22.	52.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	9	0.602	0.82	1.716	0.301	0.259	0.509	0.301	0.452	1.326	1.716
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			6.603								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	8	12.75	13.188	25.	0.	90.567	9.517	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	200.	226.667	670.	120.	29450.	171.61	120.	125.	220.	670.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	8	2.	3.125	7.	1.	5.268	2.295	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	8	9.25	8.838	11.1	5.6	3.574	1.891	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	9	1.2	1.378	2.2	0.9	0.199	0.447	0.9	1.05	1.75	2.2
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	9	7.9	7.867	8.1	7.5	0.037	0.194	7.5	7.75	8.05	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	9	7.9	7.826	8.1	7.5	0.039	0.198	7.5	7.75	8.05	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	9	0.013	0.015	0.032	0.008	0.	0.007	0.008	0.009	0.018	0.032
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	9	2.	3.	10.	1.	8.	2.828	1.	1.	3.5	10.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.45	0.416	0.83	0.05	0.049	0.22	0.05	0.26	0.5	0.83
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	0.05	0.057	0.1	0.01	0.001	0.032	0.01	0.03	0.09	0.1
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	9	0.5	0.471	0.88	0.11	0.044	0.209	0.11	0.35	0.53	0.88
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	9	0.22	0.278	0.62	0.11	0.039	0.196	0.11	0.135	0.44	0.62
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	9	0.037	0.041	0.07	0.023	0.	0.016	0.023	0.028	0.054	0.07
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9	4.	8.111	28.	2.	74.111	8.609	2.	2.	12.	28.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	9	0.602	0.707	1.447	0.301	0.195	0.441	0.301	0.301	1.079	1.447
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			5.097								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

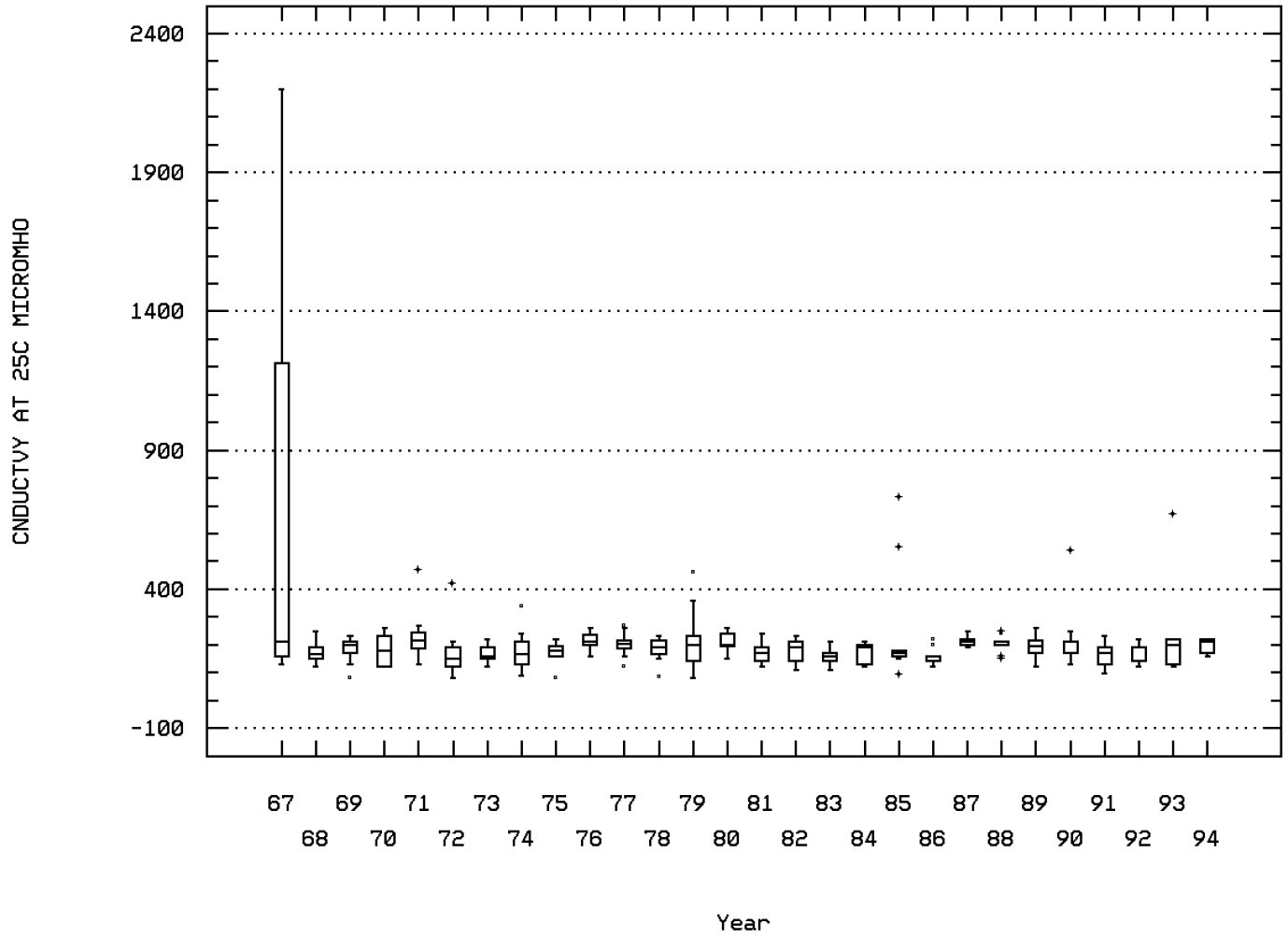
Annual Analysis for 1994 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	7	20.5	13.857	24.5	0.	111.476	10.558	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	7	210.	197.143	220.	160.	690.476	26.277	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	7	2.	3.	8.	1.	6.667	2.582	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	7	7.7	8.657	11.7	6.7	3.583	1.893	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	7	1.3	1.586	3.1	1.	0.541	0.736	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	7	8.1	8.	8.2	7.7	0.04	0.2	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	7	8.1	7.959	8.2	7.7	0.042	0.205	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	7	0.008	0.011	0.02	0.006	0.	0.005	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	7	4.	3.714	7.	1.	3.571	1.89	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	7	0.58	0.579	0.91	0.29	0.035	0.186	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	7	0.04	0.066	0.16	0.01	0.003	0.055	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	7	0.64	0.643	0.91	0.41	0.025	0.159	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	7	0.19	0.287	0.59	0.08	0.046	0.216	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	7	0.05	0.066	0.195	0.028	0.003	0.059	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	7	4.	13.143	36.	4.	206.476	14.369	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	7	0.602	0.91	1.556	0.602	0.192	0.438	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			8.136								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0354 Parameter Code: 00095

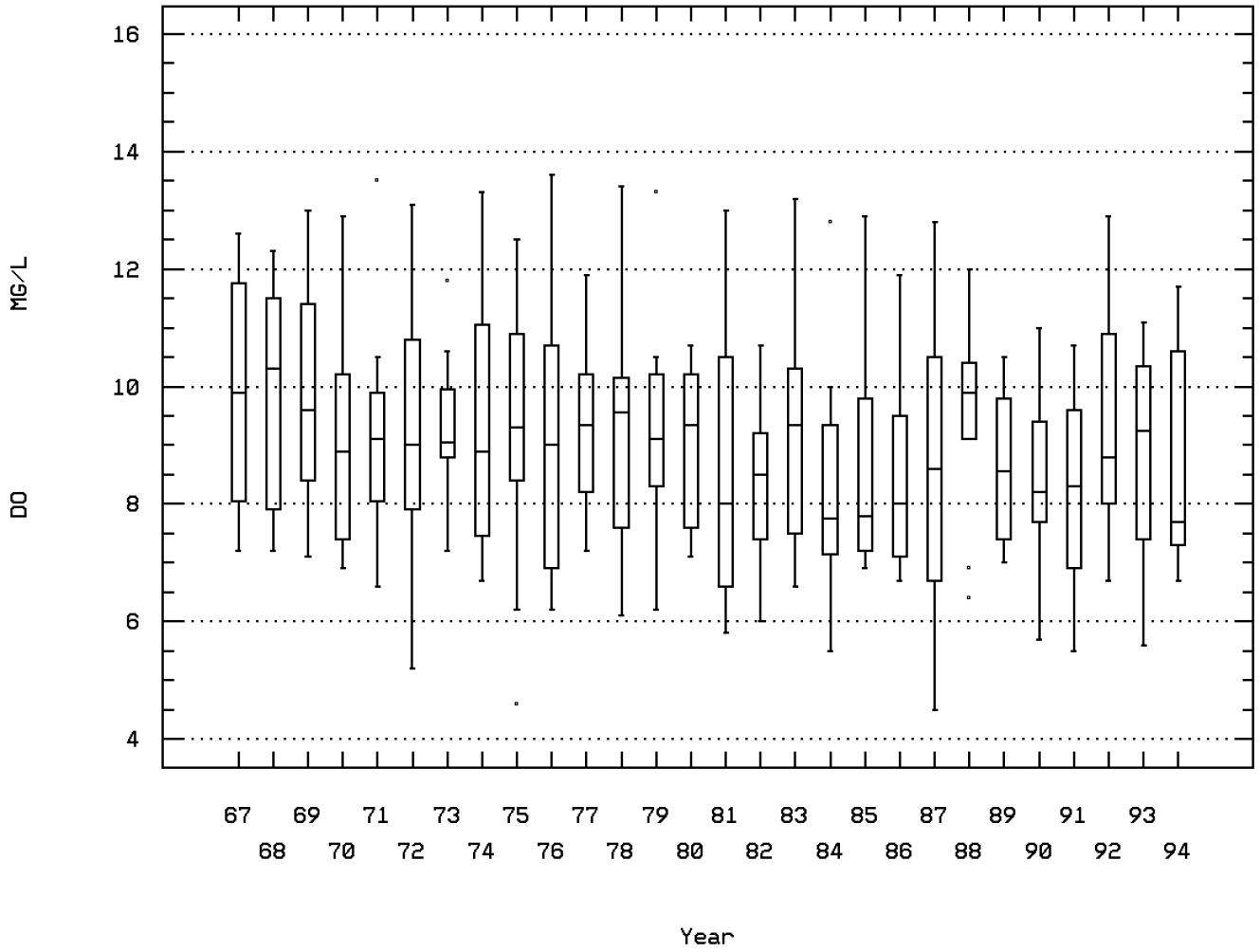
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00300

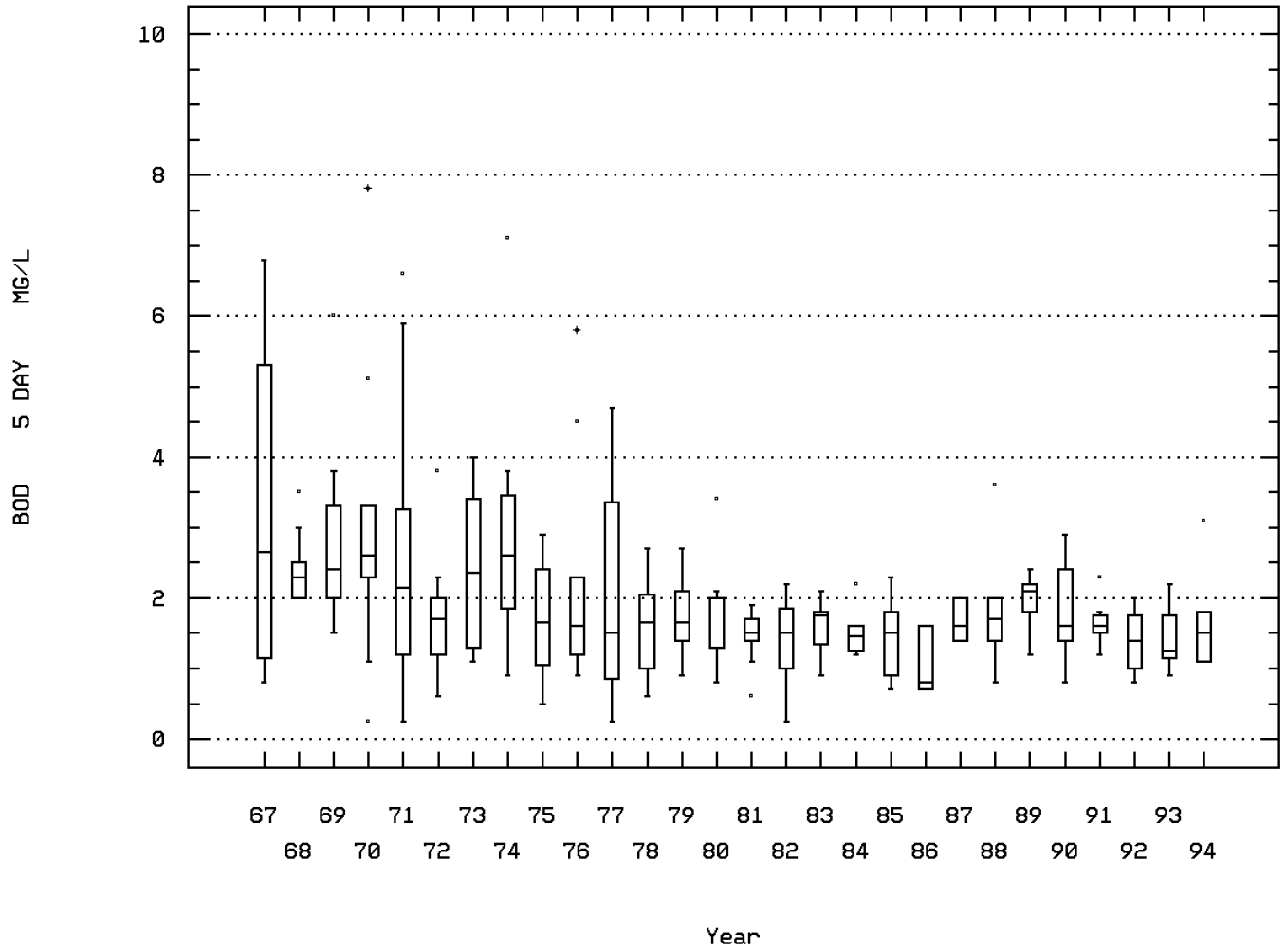
OXYGEN, DISSOLVED



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00310

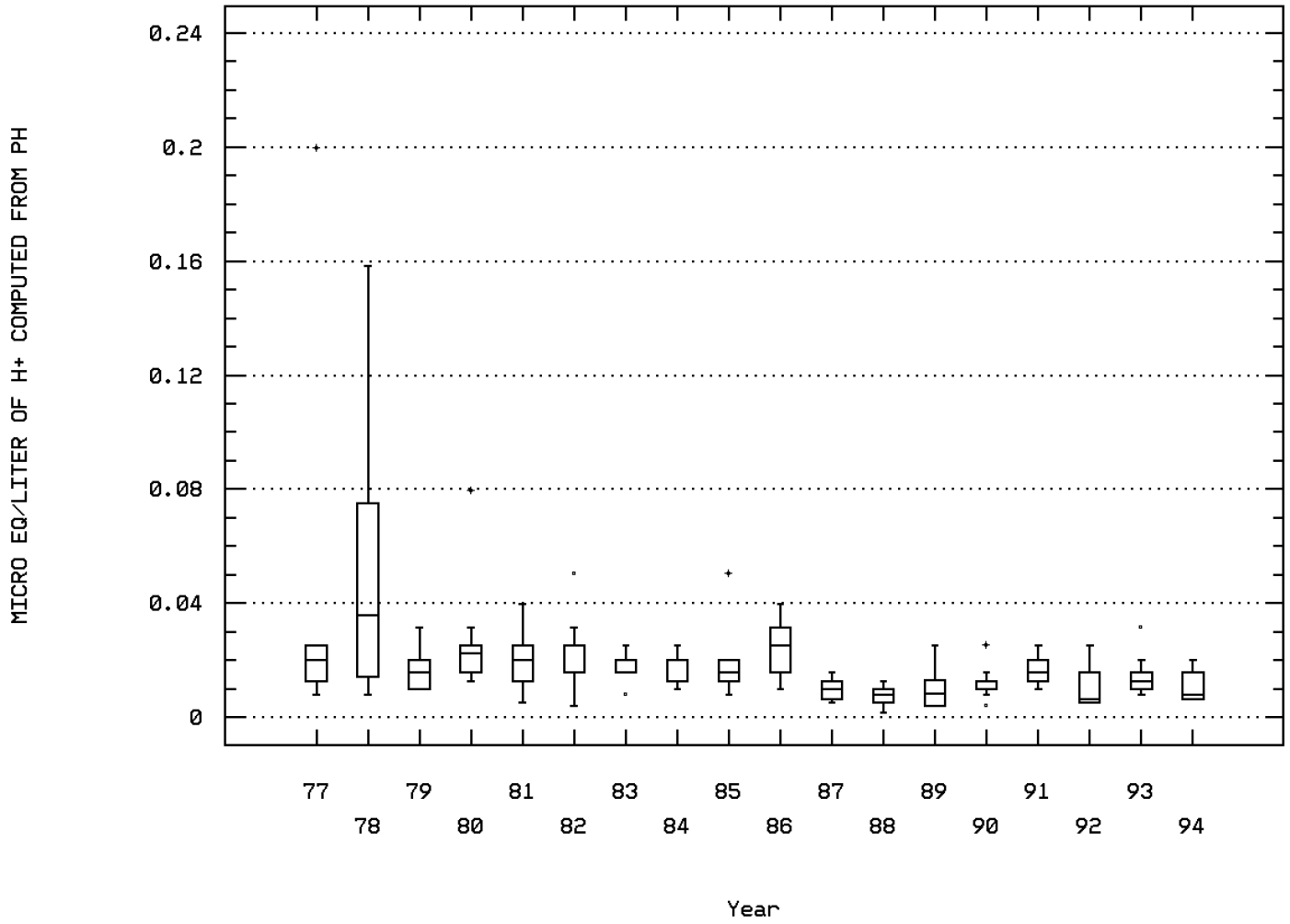
BOD, 5 DAY, 20 DEG C



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00403

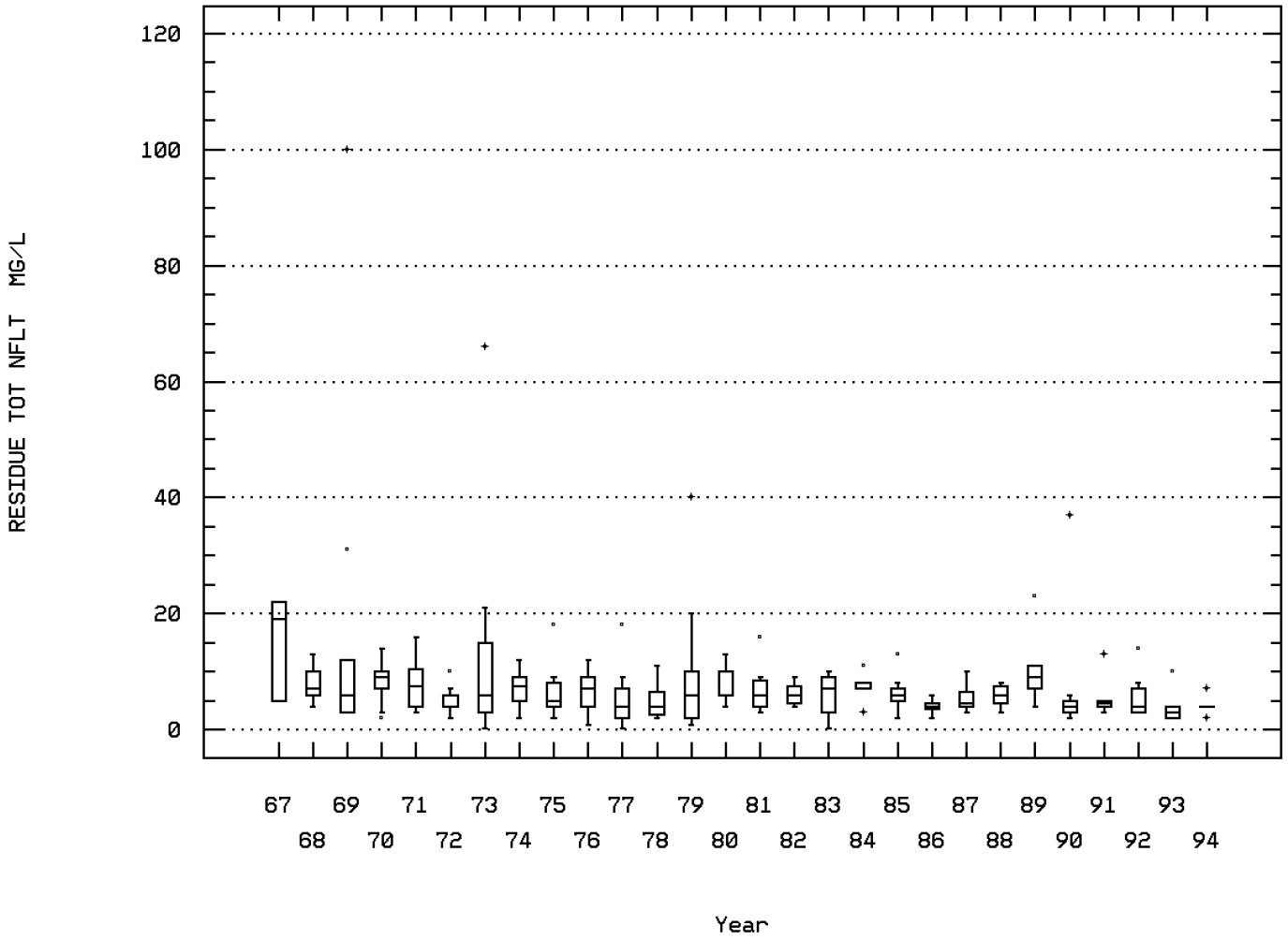
MICRO EQ/LITER OF H+ COMPUTED FROM PH



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00530

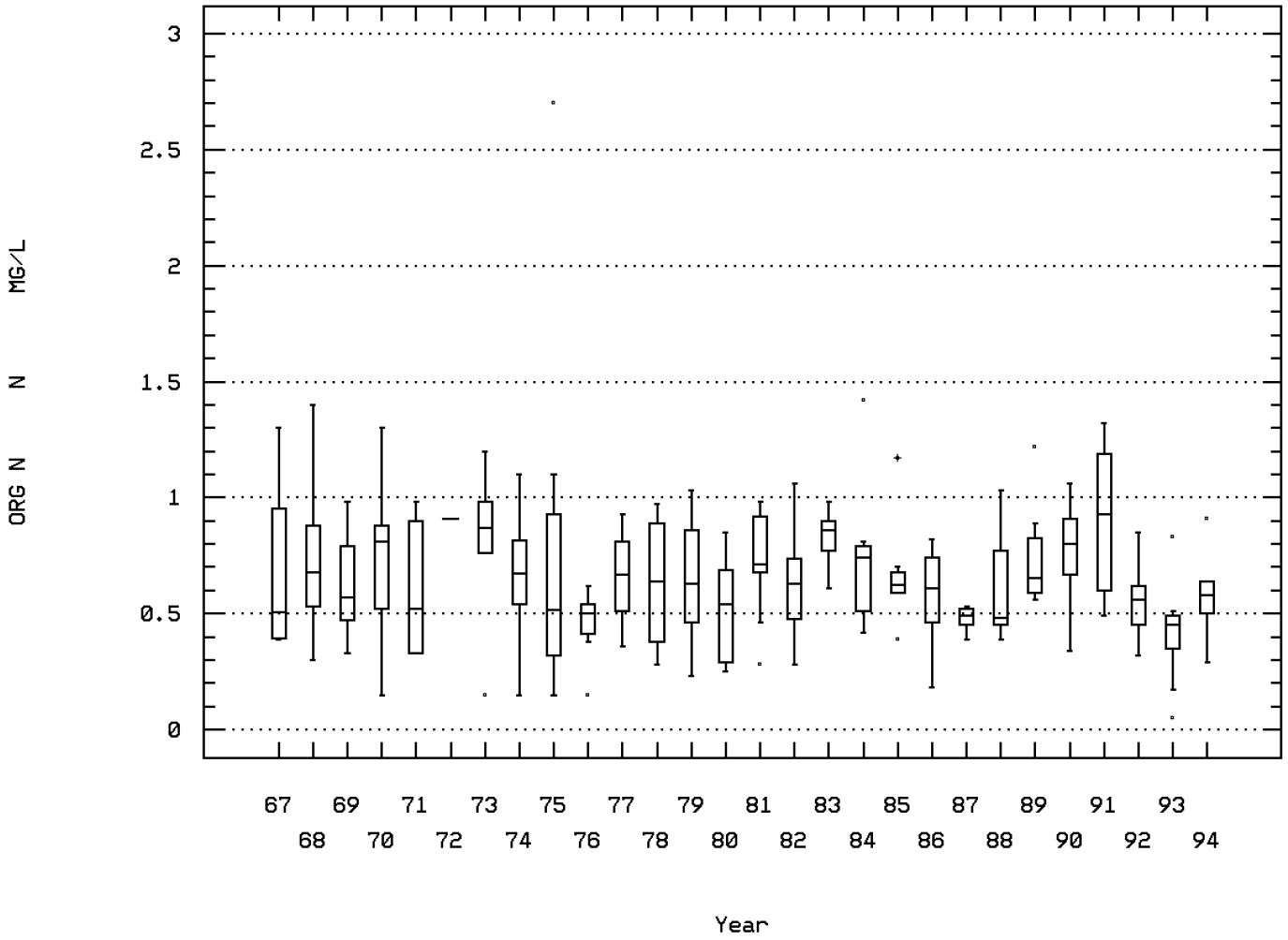
RESIDUE, TOTAL NONFILTRABLE (MG/L)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00605

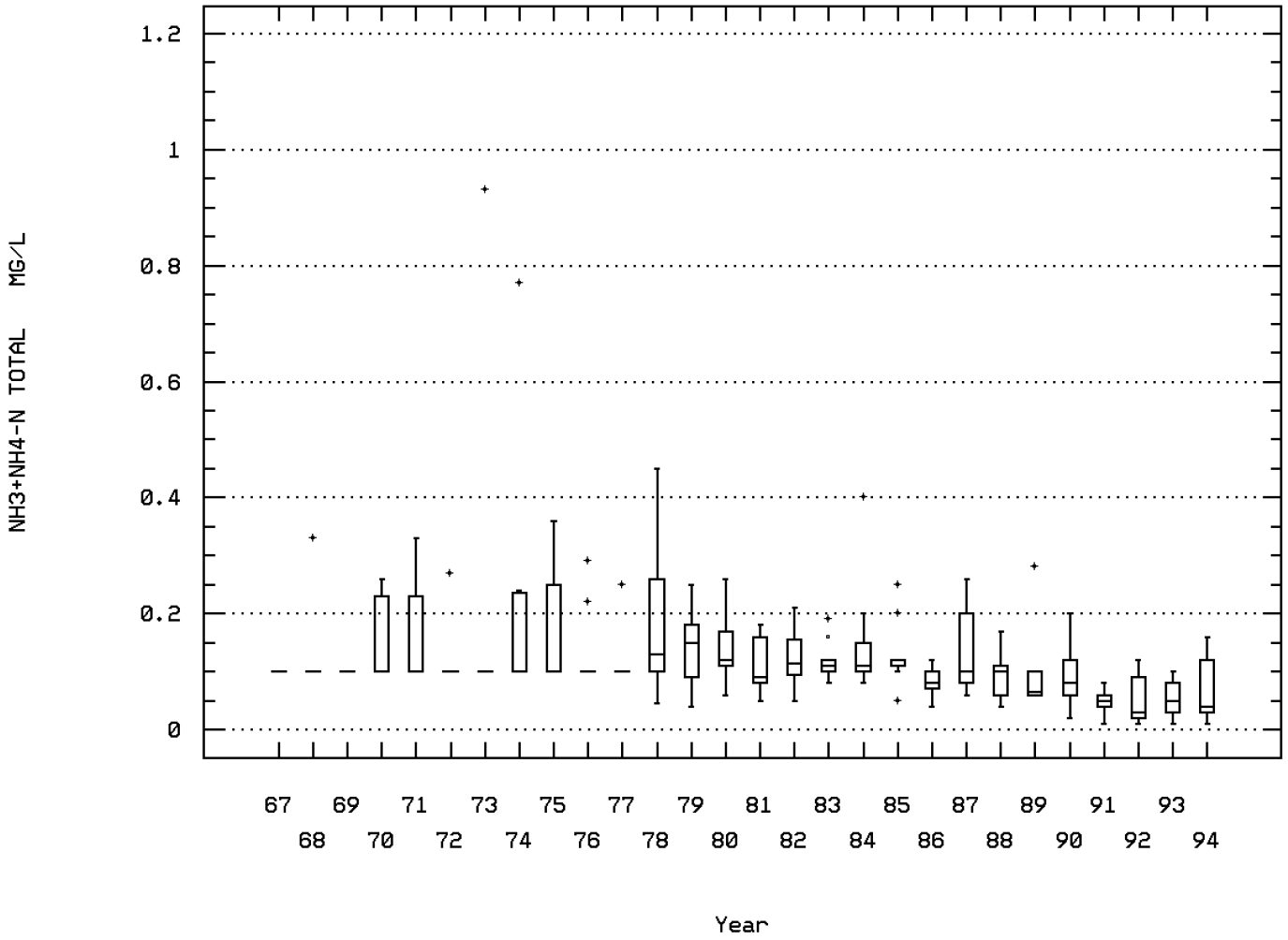
NITROGEN, ORGANIC, TOTAL (MG/L AS N)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00610

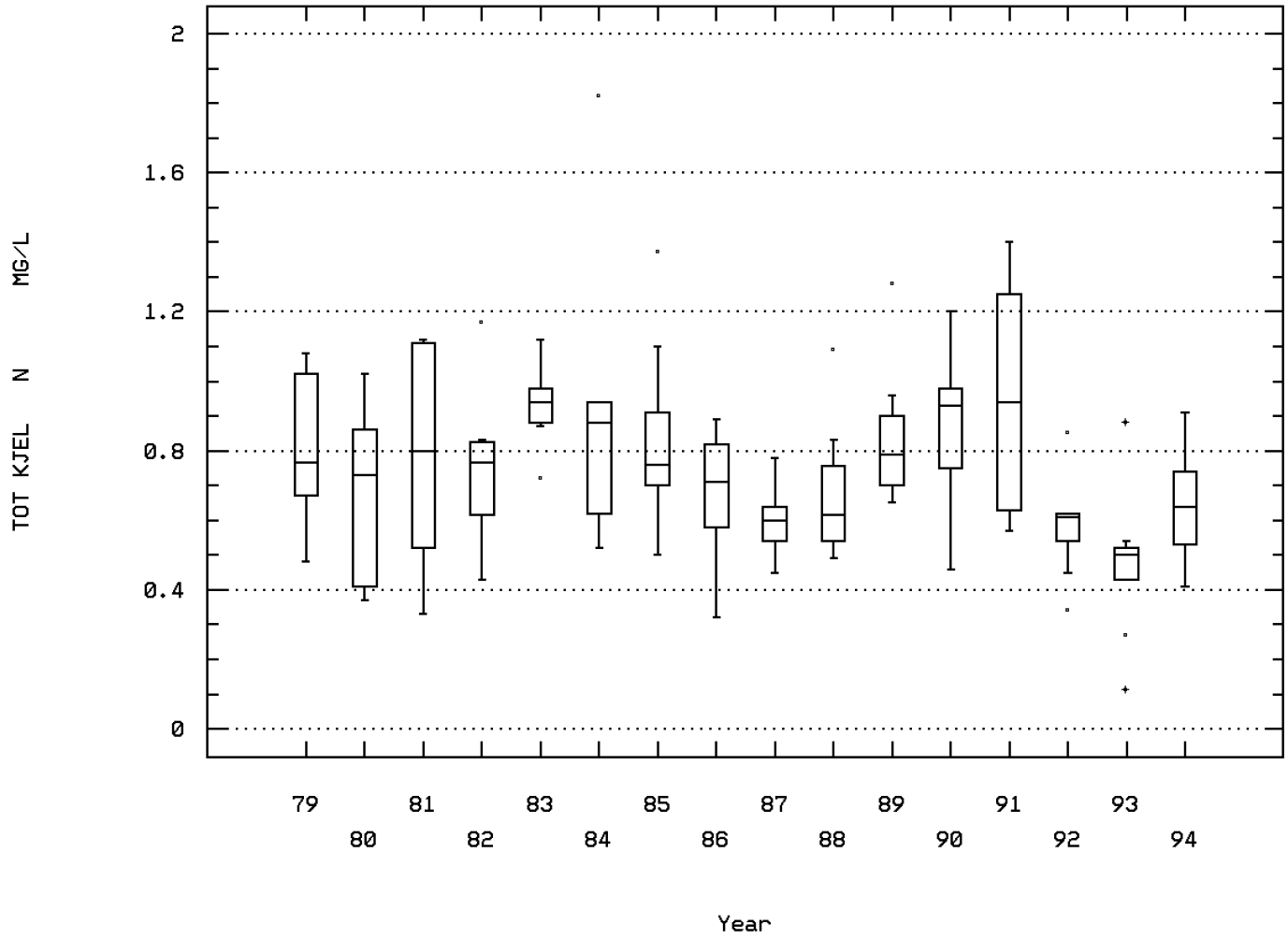
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00625

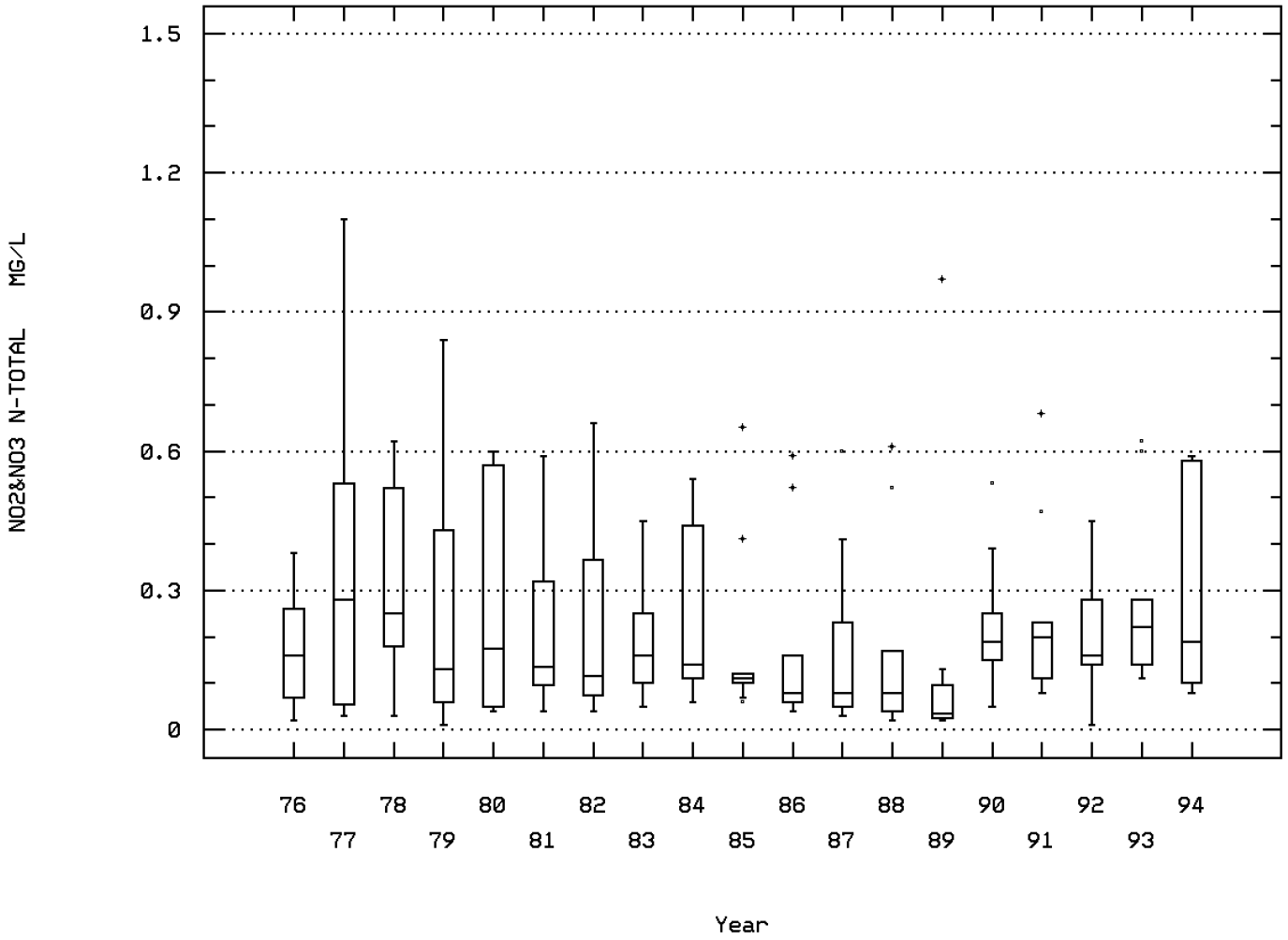
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00630

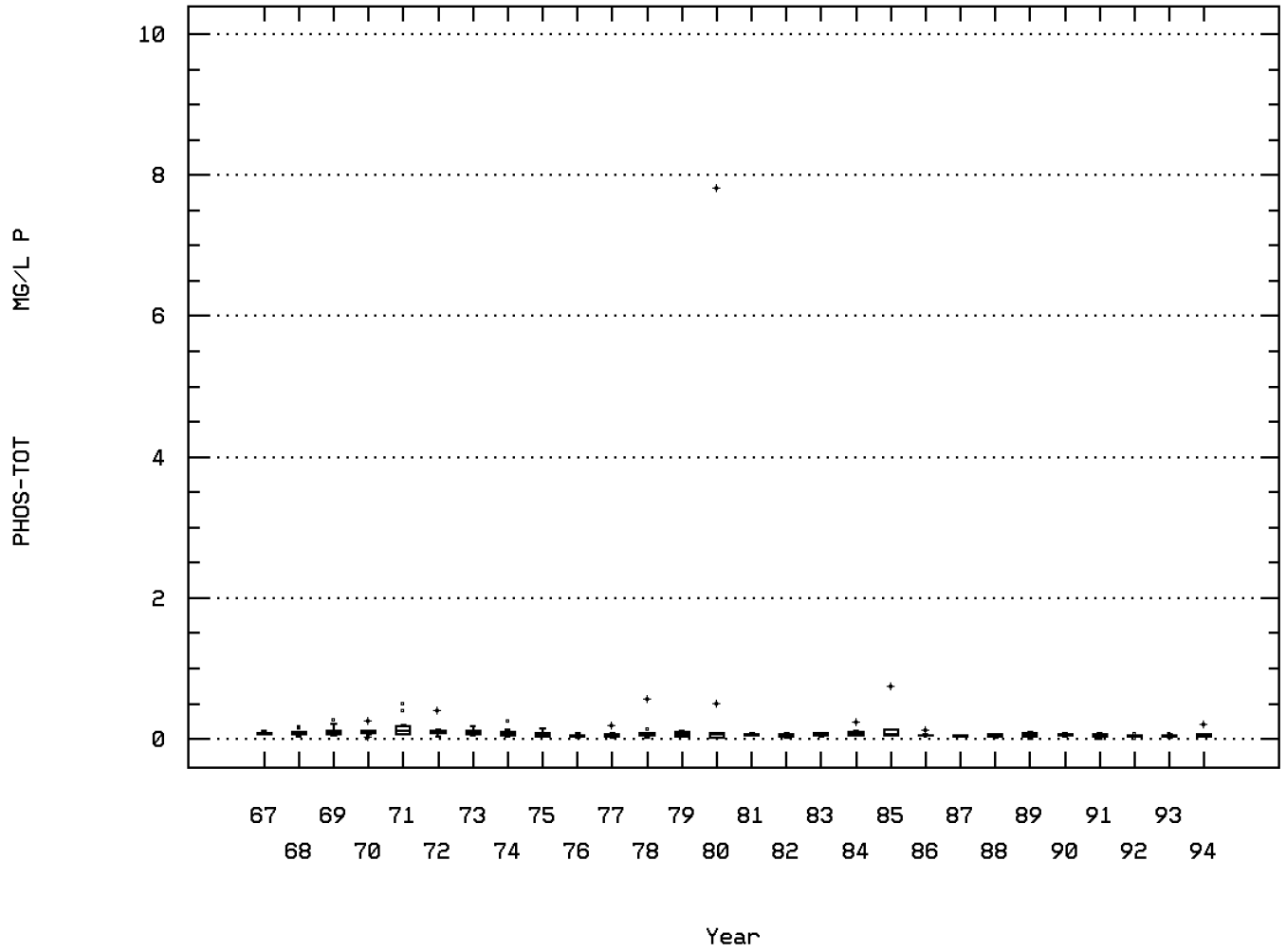
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00665

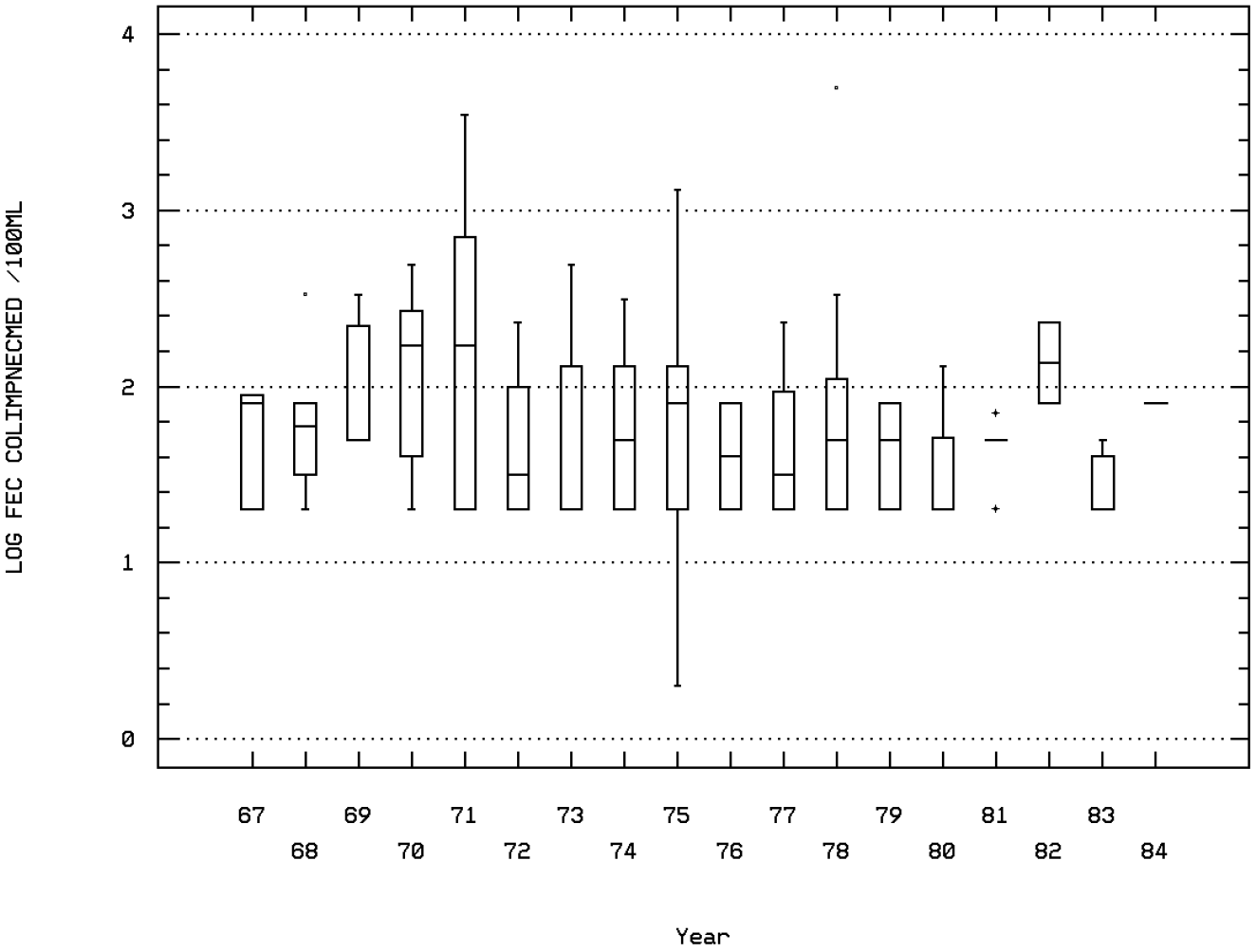
PHOSPHORUS, TOTAL (MG/L AS P)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 31615

LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	57	15.	15.079	27.	0.	44.043	6.636	6.8	9.	21.25	23.3
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	30	56.5	55.5	74.	32.	154.397	12.426	37.1	44.75	67.25	71.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	29	4.4	4.876	10.	2.	5.492	2.343	2.5	3.25	5.75	10.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	86	190.	200.733	670.	120.	7102.386	84.276	140.	160.	210.	230.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	43	4.	4.942	12.	1.	7.586	2.754	2.	3.	7.	8.8
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	87	8.8	8.98	13.5	4.5	3.532	1.879	6.9	7.3	10.2	11.58
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	84	1.6	1.87	6.6	0.5	0.976	0.988	1.05	1.3	2.1	3.05
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	34	8.	7.862	8.5	7.	0.153	0.392	7.3	7.6	8.2	8.3
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	34	8.	7.679	8.5	7.	0.188	0.434	7.3	7.6	8.2	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	34	0.01	0.021	0.1	0.003	0.	0.022	0.005	0.006	0.025	0.05
00403	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	53	7.9	7.896	8.4	6.7	0.107	0.327	7.5	7.7	8.1	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	53	7.9	7.728	8.4	6.7	0.136	0.368	7.5	7.7	8.1	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	53	0.013	0.019	0.2	0.004	0.001	0.028	0.005	0.008	0.02	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	34	92.	90.	120.	36.	290.909	17.056	71.5	80.	100.	110.
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	31	130.	137.419	210.	110.	313.118	17.695	120.	130.	150.	150.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	87	7.	8.94	100.	0.8	137.883	11.742	3.8	5.	9.	13.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	82	0.62	0.646	1.2	0.15	0.041	0.203	0.41	0.51	0.773	0.93
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	87	0.1	0.115	0.93	0.01	0.011	0.104	0.04	0.09	0.11	0.17
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	25	0.01	0.021	0.09	0.005	0.	0.019	0.005	0.01	0.025	0.05
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	30	0.165	0.274	1.7	0.025	0.106	0.326	0.041	0.06	0.425	0.545
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	46	0.695	0.742	1.17	0.34	0.034	0.183	0.527	0.59	0.873	0.992
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	57	0.14	0.148	0.29	0.02	0.006	0.075	0.04	0.1	0.2	0.262
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	87	0.062	0.077	0.5	0.02	0.004	0.064	0.034	0.047	0.08	0.122
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	35	96.	100.971	280.	62.	1159.205	34.047	75.6	88.	110.	110.
00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/29/91	24	62.	65.667	130.	49.	280.319	16.743	52.	57.25	67.75	86.5
00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/29/91	11	34.	33.007	50.	0.08	188.873	13.743	3.664	31.	42.	49.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	20	4.	4.345	7.8	3.	1.606	1.267	3.	3.6	4.575	6.9
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/21/77	19	1.5	2.837	20.	0.5	20.678	4.547	0.5	1.	2.	9.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	35	4.	4.571	17.	0.5	11.12	3.335	1.6	3.	5.	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-07/21/77	15	8.	7.167	13.	2.5	9.024	3.004	2.5	5.	9.	11.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	19	0.1	0.093	0.31	0.05	0.004	0.062	0.05	0.05	0.11	0.15
01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/30/90	23 ##	5.	3.924	18.	0.25	13.832	3.719	0.5	0.7	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	32 ##	5.	7.8	59.	0.005	144.657	12.027	0.029	5.	5.	20.
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/22/69-10/29/91	11	1.	2.759	10.	0.25	9.585	3.096	0.3	0.8	5.	9.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	33 ##	5.	4.879	17.	0.5	6.313	2.513	1.7	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	25	450.	676.4	3900.	90.	570524.	755.33	170.	360.	755.	1340.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	29 ##	5.	6.522	28.	0.15	42.19	6.495	1.	5.	5.	20.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	25	80.	94.88	430.	5.	7020.527	83.789	12.4	51.5	120.	178.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	31 ##	5.	4.419	5.	0.5	2.352	1.533	0.5	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	32	14.5	29.188	370.	3.	4161.899	64.513	4.3	5.	25.	54.6
01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/30/90	14 ##	5.	3.5	5.	1.	3.462	1.861	1.	1.	5.	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	30	230.	506.667	3500.	10.	501857.471	708.419	40.	80.	722.5	1300.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	30	2.362	2.329	3.544	1.	0.407	0.638	1.602	1.903	2.858	3.114
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			213.266								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	28 ##	3.	6.893	36.	2.	73.729	8.587	2.	2.	8.	17.6
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	28 ##	0.452	0.629	1.556	0.301	0.158	0.398	0.301	0.301	0.903	1.234
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			4.256								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	58	20.	49.138	700.	10.	9681.7	98.396	10.	10.	50.	130.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	58	1.301	1.374	2.845	1.	0.208	0.456	1.	1.	1.699	2.114
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.683								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	25 ##	0.05	0.108	0.62	0.05	0.02	0.141	0.05	0.05	0.075	0.376
71900	MERCURY, TOTAL (UG/L AS HG)	07/15/70-10/28/86	21	0.1	0.157	0.6	0.05	0.024	0.156	0.05	0.05	0.2	0.46

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	27	0.5	0.741	4.	0.	0.969	0.984	0.	0.	1.	2.1
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	20	33.	33.2	38.	32.	2.484	1.576	32.	32.	34.	35.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	23	2.8	3.087	6.2	1.3	1.355	1.164	1.98	2.3	3.5	5.16
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	48	220.	286.938	2200.	160.	87901.677	296.482	190.	210.	250.	370.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	13	3.	3.154	8.5	0.	6.849	2.617	0.4	1.	5.25	7.9
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	47	10.1	10.272	13.6	7.1	2.645	1.626	8.38	9.1	11.2	13.02
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	47	1.	1.396	7.8	0.25	1.598	1.264	0.6	0.8	1.5	3.06
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	26	7.7	7.685	8.4	7.1	0.088	0.296	7.37	7.4	7.9	8.13
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	26	7.7	7.595	8.4	7.1	0.096	0.31	7.37	7.4	7.9	8.13
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	26	0.02	0.025	0.079	0.004	0.	0.017	0.007	0.013	0.04	0.043
00403	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	22	7.75	7.705	7.9	7.	0.043	0.208	7.43	7.6	7.825	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	22	7.747	7.639	7.9	7.	0.048	0.219	7.43	7.6	7.825	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	22	0.018	0.023	0.1	0.013	0.	0.019	0.013	0.015	0.025	0.037
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	25	100.	111.44	260.	85.	1155.423	33.992	87.2	95.	115.	132.
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	23	150.	158.261	330.	110.	1824.111	42.71	130.	140.	160.	202.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	48	2.	3.011	15.	0.25	7.798	2.793	0.98	1.	4.	6.1
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	45	0.39	0.478	1.4	0.15	0.087	0.295	0.21	0.305	0.53	1.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	48	0.1	0.134	0.77	0.04	0.012	0.109	0.087	0.1	0.12	0.251
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	20	0.01	0.017	0.04	0.01	0.	0.011	0.01	0.01	0.028	0.039
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	23	0.46	0.591	1.9	0.18	0.174	0.417	0.3	0.34	0.63	1.36
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	17	0.48	0.542	1.33	0.27	0.074	0.271	0.318	0.39	0.535	1.122
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	25	0.58	0.566	1.1	0.38	0.022	0.148	0.426	0.46	0.6	0.726
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	48	0.052	0.083	0.732	0.005	0.016	0.127	0.023	0.029	0.085	0.132
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	25	110.	116.68	290.	66.	1570.56	39.63	89.2	100.	120.	138.
00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/29/91	14	69.5	69.929	93.	44.	161.302	12.7	50.5	60.25	78.	90.
00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/29/91	5	44.	42.4	46.	36.	18.8	4.336	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	12	4.95	5.217	7.	3.8	1.352	1.163	3.83	4.175	6.15	7.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/21/77	12	1.7	2.967	12.	0.5	9.972	3.158	0.65	1.15	3.775	9.96
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	26	4.	4.538	13.	1.	4.578	2.14	2.7	4.	5.	6.3
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-07/21/77	10	9.	8.9	16.	2.5	17.822	4.222	2.5	5.875	12.	15.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	13 ##	0.05	0.066	0.11	0.05	0.001	0.025	0.05	0.05	0.1	0.106
01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/30/90	12 ##	5.	4.375	5.	0.5	2.233	1.494	0.95	5.	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	22 ##	5.	5.227	10.	5.	1.136	1.066	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	22 ##	5.	5.227	10.	5.	1.136	1.066	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	22	530.	515.455	1100.	160.	86578.355	294.242	179.	235.	717.5	1000.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	22 ##	5.	6.5	20.	5.	13.786	3.713	5.	5.	5.	12.1
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	22	36.5	51.273	170.	5.	2139.446	46.254	6.5	19.75	69.25	142.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	22 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	22	12.	14.318	60.	5.	151.37	12.303	5.	5.	20.	24.7
01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/30/90	10 ##	1.5	2.2	5.	0.5	2.567	1.602	0.55	1.	3.125	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	23	490.	1623.043	9200.	110.	5473131.225	2339.472	170.	330.	1700.	5400.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	23	2.69	2.87	3.964	2.041	0.286	0.535	2.23	2.519	3.23	3.732
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			740.733								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	8	32.	42.	120.	8.	1138.286	33.738	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	8	1.505	1.52	2.079	0.903	0.106	0.326	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			33.105								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	39	80.	397.949	4900.	10.	978353.576	989.118	10.	20.	230.	490.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	39	1.903	1.973	3.69	1.	0.474	0.688	1.	1.301	2.362	2.69
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			94.023								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	17	0.25	0.241	0.66	0.05	0.031	0.177	0.05	0.05	0.375	0.468
71900	MERCURY, TOTAL (UG/L AS HG)	07/15/70-10/28/86	12	0.1	0.263	0.9	0.05	0.092	0.304	0.05	0.05	0.4	0.87

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	24	2.	2.958	9.	0.	5.542	2.354	0.	1.125	4.875	6.25
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	8	36.	40.	58.	32.	78.	8.832	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	11	3.7	4.945	12.	1.8	13.395	3.66	1.8	2.6	5.2	12.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	32	200.	192.688	340.	86.	2789.835	52.819	120.	152.5	220.	257.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	17	4.	3.706	11.	1.	6.846	2.616	1.	1.5	4.	8.6
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	33	10.9	10.948	13.2	8.8	1.671	1.293	9.18	9.85	11.9	12.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	32	1.65	1.781	5.1	0.25	1.199	1.095	0.63	0.925	2.275	2.9
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	12	7.65	7.692	8.1	7.2	0.055	0.235	7.29	7.6	7.9	8.04
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	12	7.647	7.631	8.1	7.2	0.059	0.244	7.29	7.6	7.9	8.04
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	12	0.023	0.023	0.063	0.008	0.	0.014	0.009	0.013	0.025	0.054
00403	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	21	7.8	7.838	8.3	7.6	0.025	0.16	7.62	7.75	7.9	8.08
00403	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	21	7.8	7.813	8.3	7.6	0.026	0.162	7.62	7.75	7.9	8.08
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	21	0.016	0.015	0.025	0.005	0.	0.005	0.008	0.013	0.018	0.024
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	12	91.5	90.25	140.	52.	587.659	24.242	53.8	74.5	107.5	131.
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	9	130.	130.	140.	110.	100.	10.	110.	125.	140.	140.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	33	3.	4.25	16.	0.25	11.875	3.446	1.	2.	5.	9.6
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	30	0.51	0.514	0.93	0.05	0.043	0.207	0.235	0.403	0.645	0.834
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	33	0.1	0.142	0.36	0.01	0.007	0.086	0.06	0.095	0.21	0.276
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	7	0.02	0.02	0.03	0.01	0.	0.008	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	10	0.445	0.449	0.8	0.12	0.06	0.244	0.126	0.188	0.648	0.796
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	19	0.57	0.625	1.12	0.11	0.064	0.253	0.32	0.43	0.85	0.98
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	23	0.52	0.495	0.97	0.19	0.032	0.18	0.244	0.37	0.62	0.672
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	33	0.06	0.311	7.8	0.01	1.812	1.346	0.035	0.049	0.09	0.146
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	12	97.	97.25	160.	51.	922.568	30.374	53.4	70.	117.5	148.
00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/29/91	8	63.	60.75	87.	31.	367.357	19.167	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/29/91	3	32.	33.333	37.	31.	10.333	3.215	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	6	4.	4.75	8.2	3.	4.051	2.013	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/21/77	6	1.55	1.783	3.	1.	0.542	0.736	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	12	3.	3.042	5.	0.5	1.93	1.389	0.65	2.25	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-07/21/77	4	10.	9.75	12.	7.	4.917	2.217	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	7 ##	0.05	0.057	0.1	0.05	0.	0.019	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/30/90	6 ##	5.	4.25	5.	0.5	3.375	1.837	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	10 ##	5.	13.5	90.	5.	722.5	26.879	5.	5.	5.	81.5
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	10	510.	553.	840.	310.	31401.111	177.204	315.	427.5	735.	834.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	10	53.	56.8	100.	30.	498.4	22.325	30.3	34.5	73.75	97.6
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	10 ##	7.5	10.8	31.	5.	71.067	8.43	5.	5.	15.	29.7
01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/30/90	5 ##	5.	3.5	5.	1.	4.25	2.062	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	10	745.	835.	3100.	10.	868650.	932.014	14.	72.5	1300.	2920.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	10	2.871	2.532	3.491	1.	0.603	0.777	1.07	1.852	3.114	3.454
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			340.674								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	12	4.	20.708	110.	2.	1557.294	39.463	2.	2.5	7.125	107.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	12	0.602	0.793	2.041	0.301	0.36	0.6	0.301	0.376	0.841	2.029
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			6.203								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	20	20.	47.	230.	10.	4316.842	65.703	10.	10.	72.5	206.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	20	1.301	1.396	2.362	1.	0.211	0.459	1.	1.	1.852	2.298
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			24.884								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	8	0.11	0.169	0.46	0.05	0.025	0.16	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/15/70-10/28/86	6 ##	0.125	0.142	0.3	0.05	0.011	0.107	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

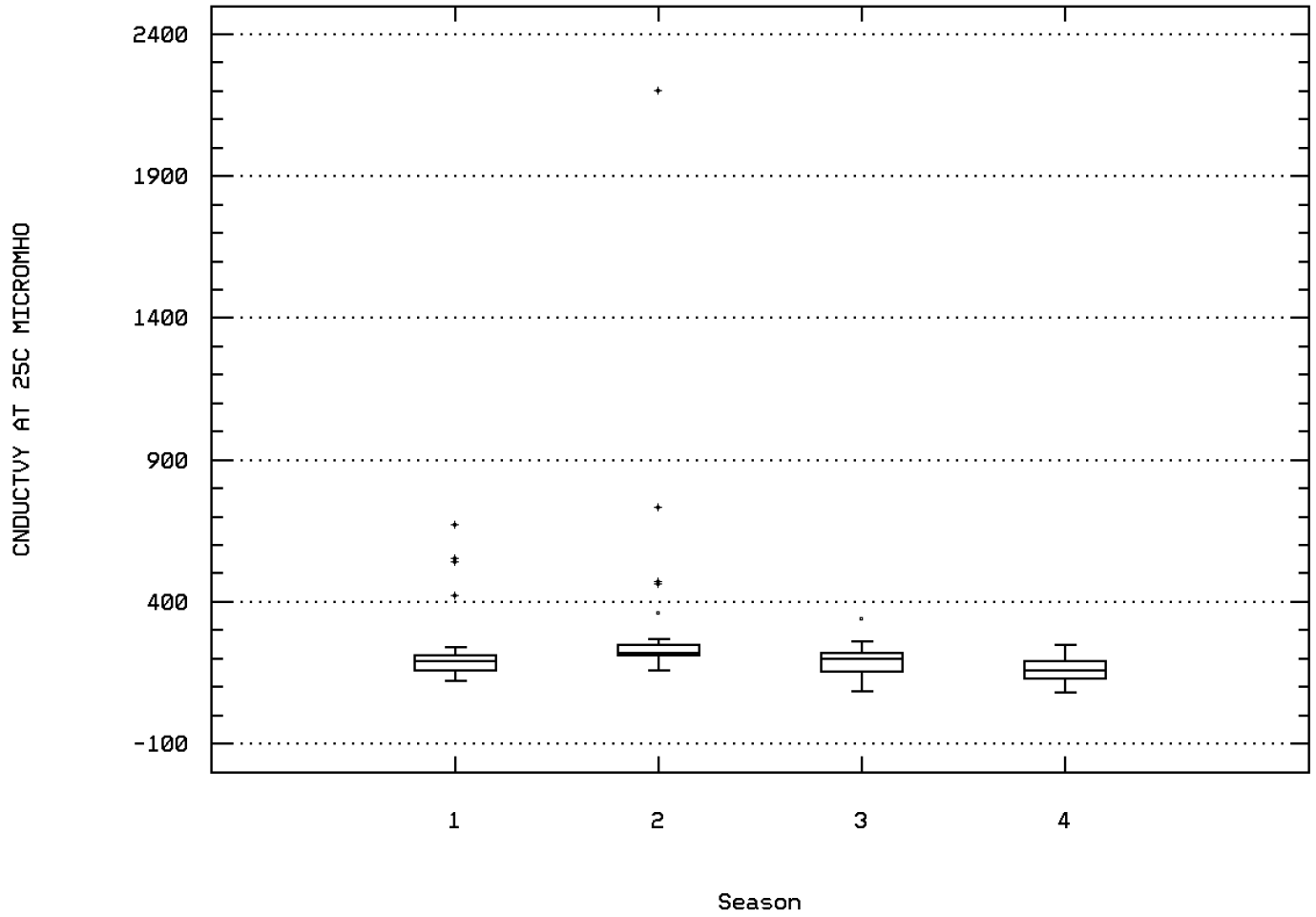
Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	72	21.	19.931	28.	7.	25.326	5.033	12.65	17.	24.	25.35
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/28/67-12/09/75	31	72.	67.226	81.	39.	121.781	11.035	49.2	59.	76.	77.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-09/22/77	35	4.7	6.54	54.	2.2	75.015	8.661	2.66	3.3	6.5	9.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	104	160.	157.74	250.	80.	1347.728	36.711	110.	130.	190.	200.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	06/16/80-09/15/94	54	4.	4.12	11.5	1.	4.481	2.117	1.5	2.875	5.	7.
00300p	OXYGEN, DISSOLVED MG/L	06/28/67-09/15/94	104	7.8	8.014	12.3	4.6	2.326	1.525	6.1	6.9	9.2	10.15
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/28/67-09/15/94	95	2.	2.269	7.1	0.8	1.357	1.165	1.2	1.5	2.6	3.64
00400	PH (STANDARD UNITS)	06/28/67-06/09/77	38	7.8	7.766	8.6	6.5	0.204	0.452	7.18	7.5	8.1	8.31
00400	CONVERTED PH (STANDARD UNITS)	06/28/67-06/09/77	38	7.8	7.495	8.6	6.5	0.279	0.528	7.18	7.5	8.1	8.31
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/67-06/09/77	38	0.016	0.032	0.316	0.003	0.003	0.054	0.005	0.008	0.032	0.067
00403	PH, LAB, STANDARD UNITS SU	07/21/77-09/15/94	66	7.8	7.811	8.8	6.8	0.114	0.337	7.4	7.6	8.	8.23
00403	CONVERTED PH, LAB, STANDARD UNITS	07/21/77-09/15/94	66	7.8	7.675	8.8	6.8	0.132	0.364	7.4	7.6	8.	8.23
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/77-09/15/94	66	0.016	0.021	0.158	0.002	0.001	0.023	0.006	0.01	0.025	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-09/29/81	41	80.	75.415	180.	32.	814.249	28.535	36.8	56.	92.	99.2
00500	RESIDUE, TOTAL (MG/L)	06/28/67-09/22/77	31	130.	129.032	240.	77.	1255.166	35.428	82.2	100.	150.	176.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/67-09/15/94	104	6.	7.923	66.	1.	51.858	7.201	3.	4.	9.	13.5
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	95	0.8	0.796	2.7	0.15	0.095	0.309	0.476	0.61	0.93	1.076
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/67-09/15/94	103	0.1	0.119	0.45	0.01	0.006	0.077	0.05	0.08	0.12	0.216
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	28 ##	0.01	0.017	0.07	0.005	0.	0.014	0.005	0.01	0.02	0.032
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/29/76	35	0.1	0.144	0.64	0.005	0.025	0.158	0.01	0.025	0.2	0.406
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/79-09/15/94	60	0.83	0.866	1.82	0.45	0.061	0.246	0.591	0.71	0.995	1.194
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/76-09/15/94	66	0.08	0.097	0.44	0.01	0.006	0.074	0.03	0.05	0.13	0.193
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/67-09/15/94	102	0.062	0.079	0.492	0.005	0.004	0.065	0.037	0.047	0.09	0.13
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/29/91	43	82.	78.256	120.	37.	457.243	21.383	48.2	59.	93.	100.
00910	CALCIUM (MG/L AS CACO3)	09/22/69-10/29/91	27	48.	47.	71.	10.	225.308	15.01	28.4	37.	59.	66.6
00920	MAGNESIUM (MG/L AS CACO3)	09/22/69-10/29/91	11	29.	28.182	37.	17.	45.564	6.75	17.8	22.	35.	36.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/22/69-07/21/77	22	3.2	3.232	6.	1.7	1.115	1.056	1.93	2.275	3.75	4.82
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/22/69-07/21/77	22	1.45	1.827	5.4	0.5	1.286	1.134	1.	1.	2.225	3.7
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/67-09/22/77	39	4.	4.244	10.	0.5	5.38	2.319	1.	3.	5.	8.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/69-07/21/77	15	8.	8.167	12.	2.5	7.417	2.723	4.	6.	11.	11.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/22/69-07/21/77	22 ##	0.05	0.122	1.2	0.05	0.059	0.242	0.05	0.05	0.1	0.117
01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/69-05/30/90	28 ##	5.	3.664	5.	0.5	3.978	1.994	0.5	1.	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-10/29/91	39 ##	5.	4.243	5.	0.02	3.24	1.8	0.05	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/22/69-10/29/91	5	1.	1.15	2.	0.25	0.675	0.822	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-10/29/91	40 ##	5.	6.304	32.	0.25	41.021	6.405	0.82	5.	5.	16.3
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-10/29/91	32	475.	626.531	4500.	79.	589168.257	767.573	113.	267.5	730.	1116.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-10/29/91	34 ##	5.	4.762	25.	0.1	15.558	3.944	1.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-10/29/91	32	87.5	105.094	250.	21.	3564.926	59.707	40.3	64.25	137.5	204.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-10/28/86	36 ##	5.	5.347	25.	0.5	14.069	3.751	3.65	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-10/29/91	38	10.5	32.176	680.	0.7	11835.581	108.791	4.7	5.	22.5	46.2
01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/69-05/30/90	21 ##	1.	2.452	5.	0.5	4.223	2.055	0.5	1.	5.	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/28/67-07/29/76	36	240.	505.528	4900.	10.	950695.456	975.036	34.	79.25	482.5	1063.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/28/67-07/29/76	36	2.379	2.29	3.69	1.	0.37	0.608	1.512	1.899	2.683	2.997
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			195.055								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	34 ##	4.	6.118	28.	2.	37.365	6.113	2.	2.	8.	15.5
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	34 ##	0.602	0.627	1.447	0.301	0.128	0.357	0.301	0.301	0.903	1.19
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			4.241								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	67 ##	10.	50.925	1300.	2.	27335.555	165.335	10.	10.	20.	74.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/28/67-09/28/84	67 ##	1.	1.262	3.114	0.301	0.21	0.459	1.	1.	1.301	1.867
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.289								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/28/67-11/25/74	27 ##	0.05	0.123	0.47	0.05	0.017	0.129	0.05	0.05	0.13	0.356
71900	MERCURY, TOTAL (UG/L AS HG)	07/15/70-10/28/86	26 ##	0.05	0.181	0.8	0.05	0.036	0.19	0.05	0.05	0.3	0.43

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0354 Parameter Code: 00095

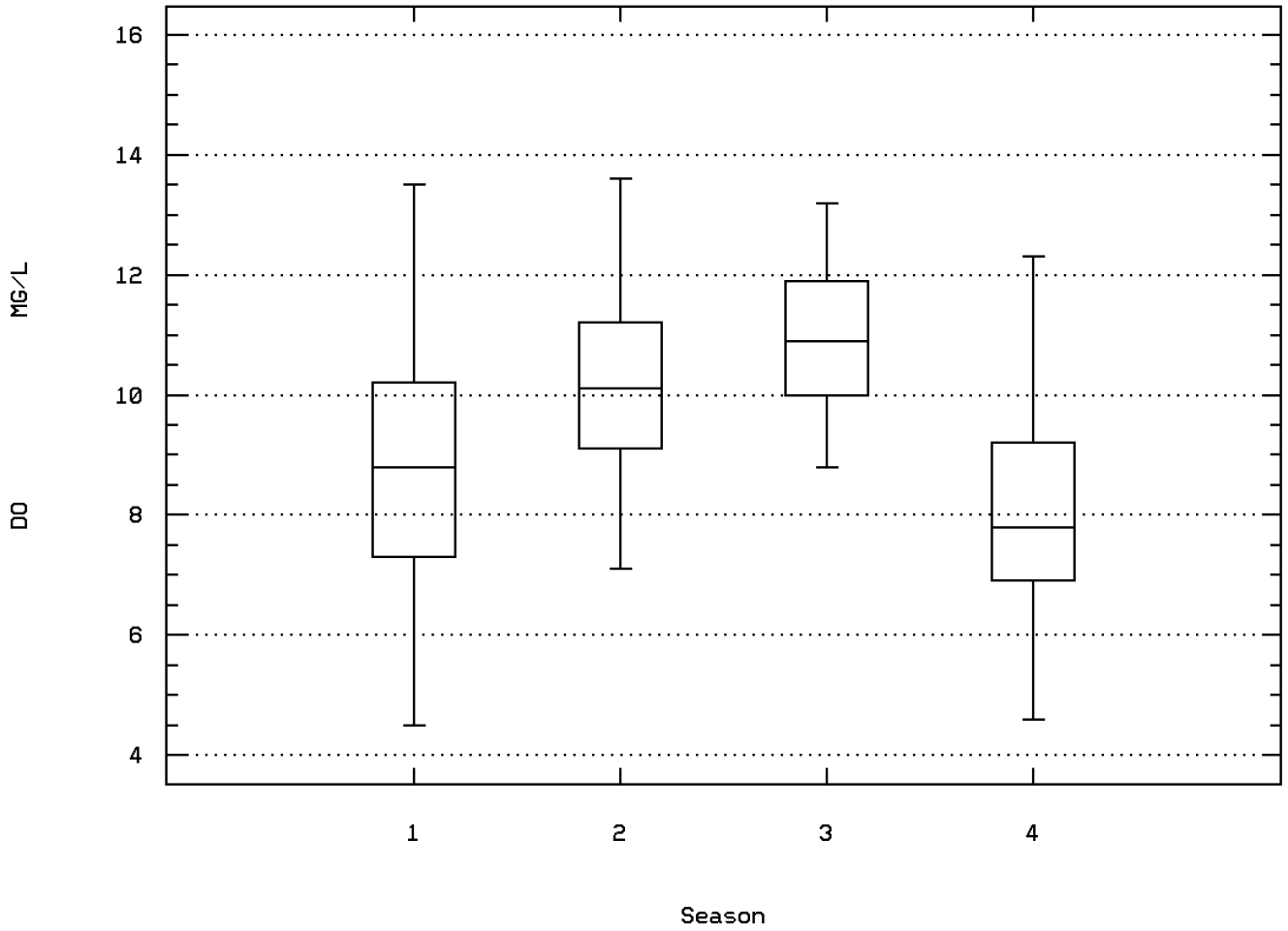
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00300

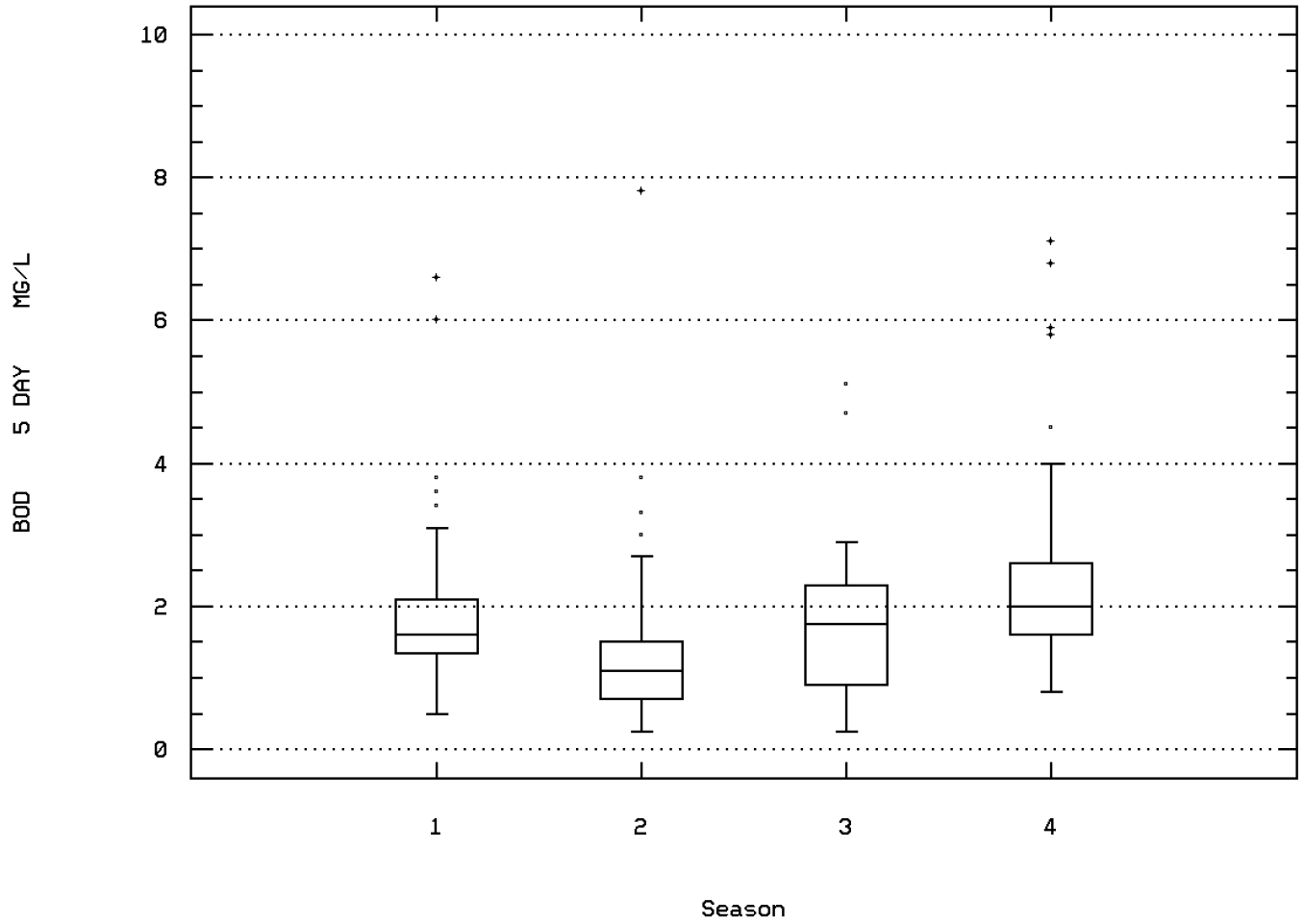
OXYGEN, DISSOLVED



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00310

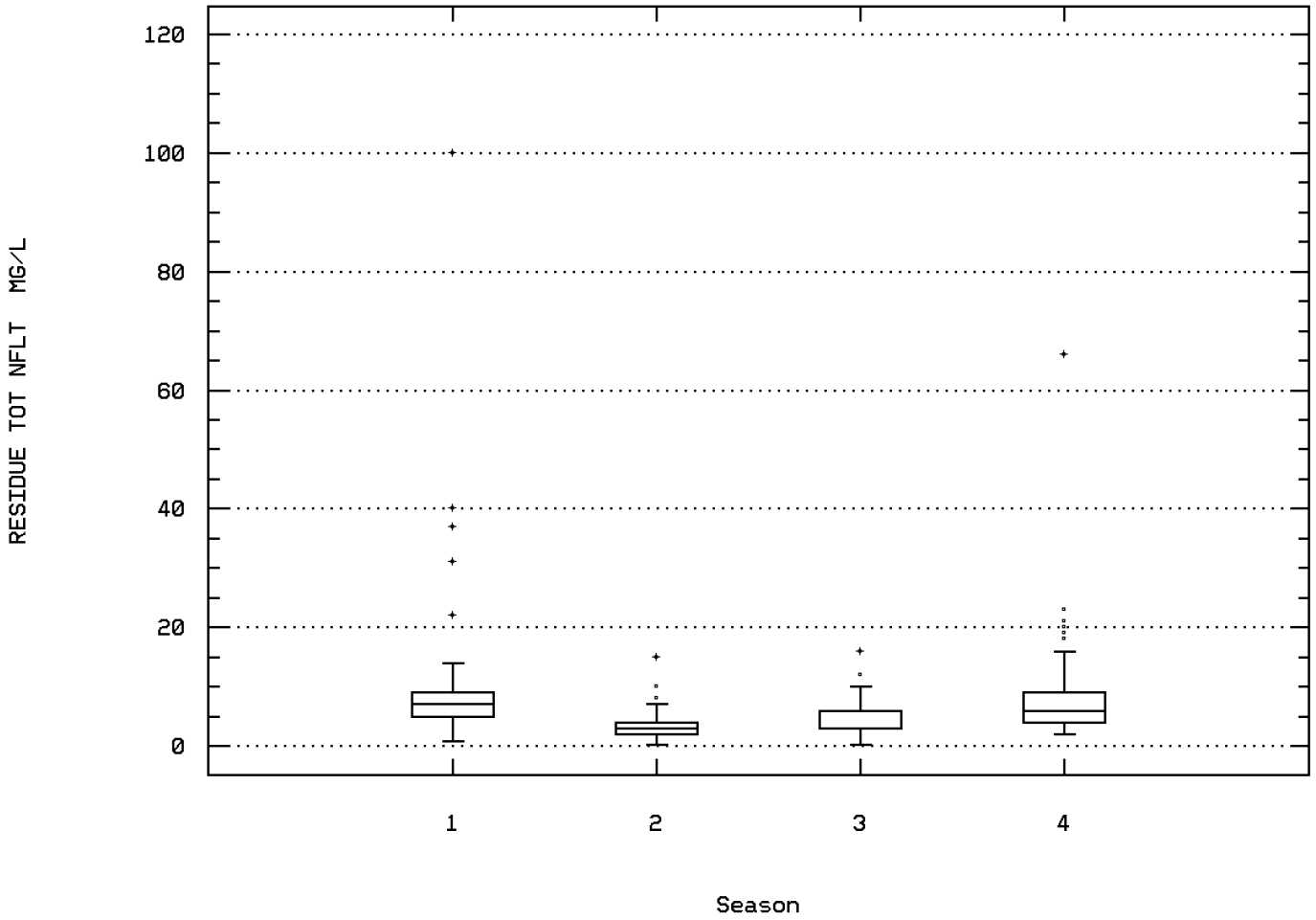
BOD, 5 DAY, 20 DEG C



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00530

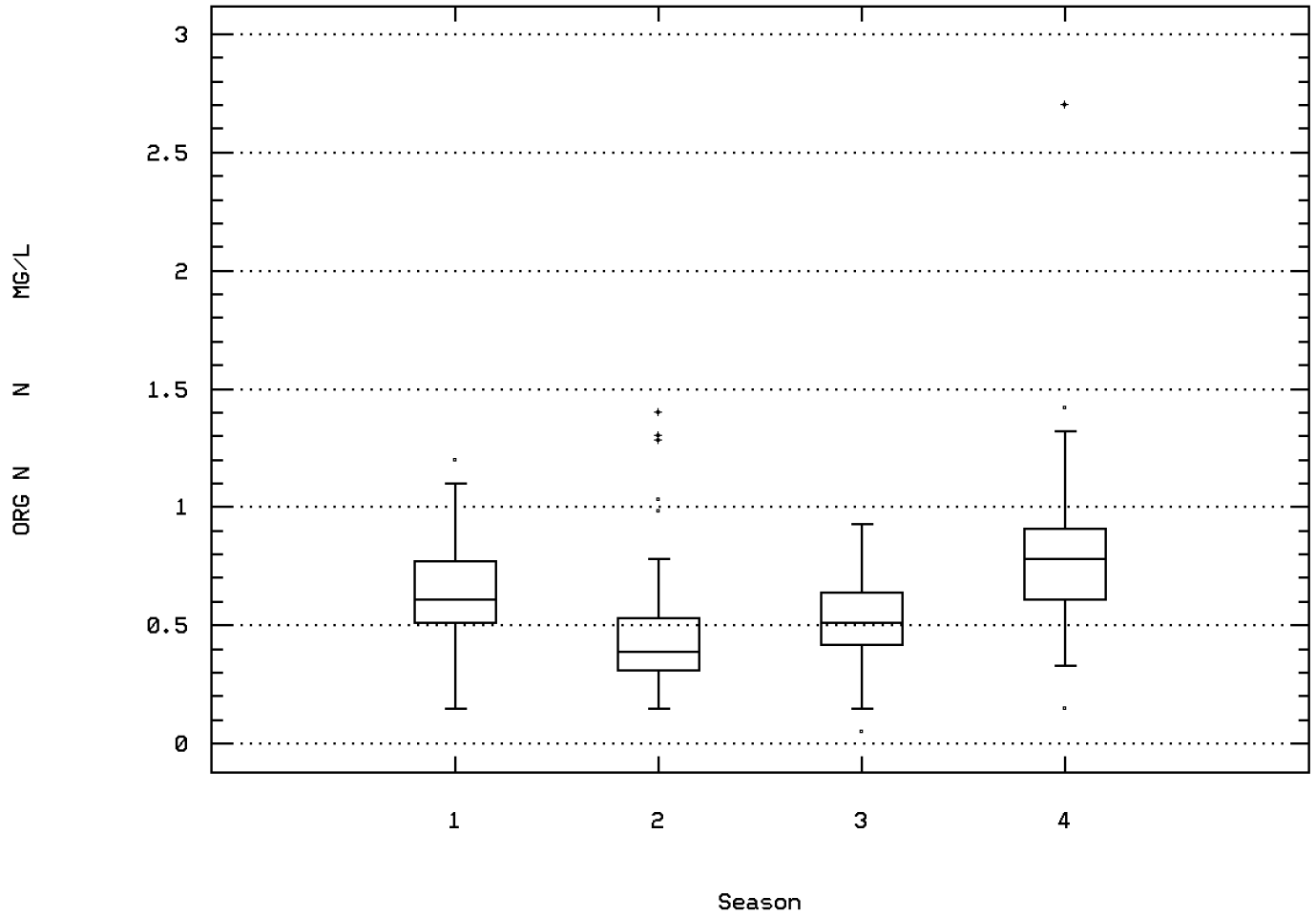
RESIDUE, TOTAL NONFILTRABLE (MG/L)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00605

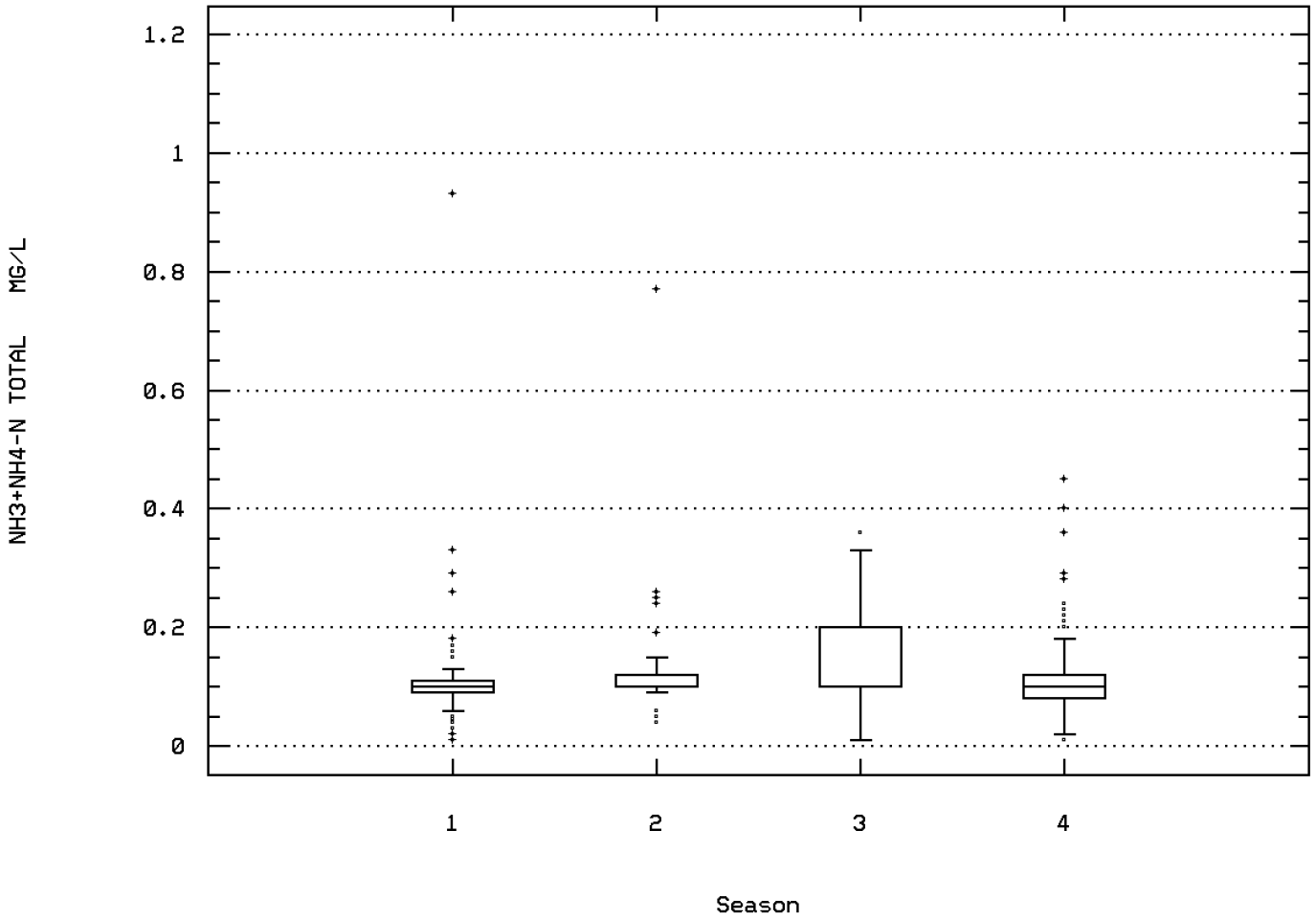
NITROGEN, ORGANIC, TOTAL (MG/L AS N)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00610

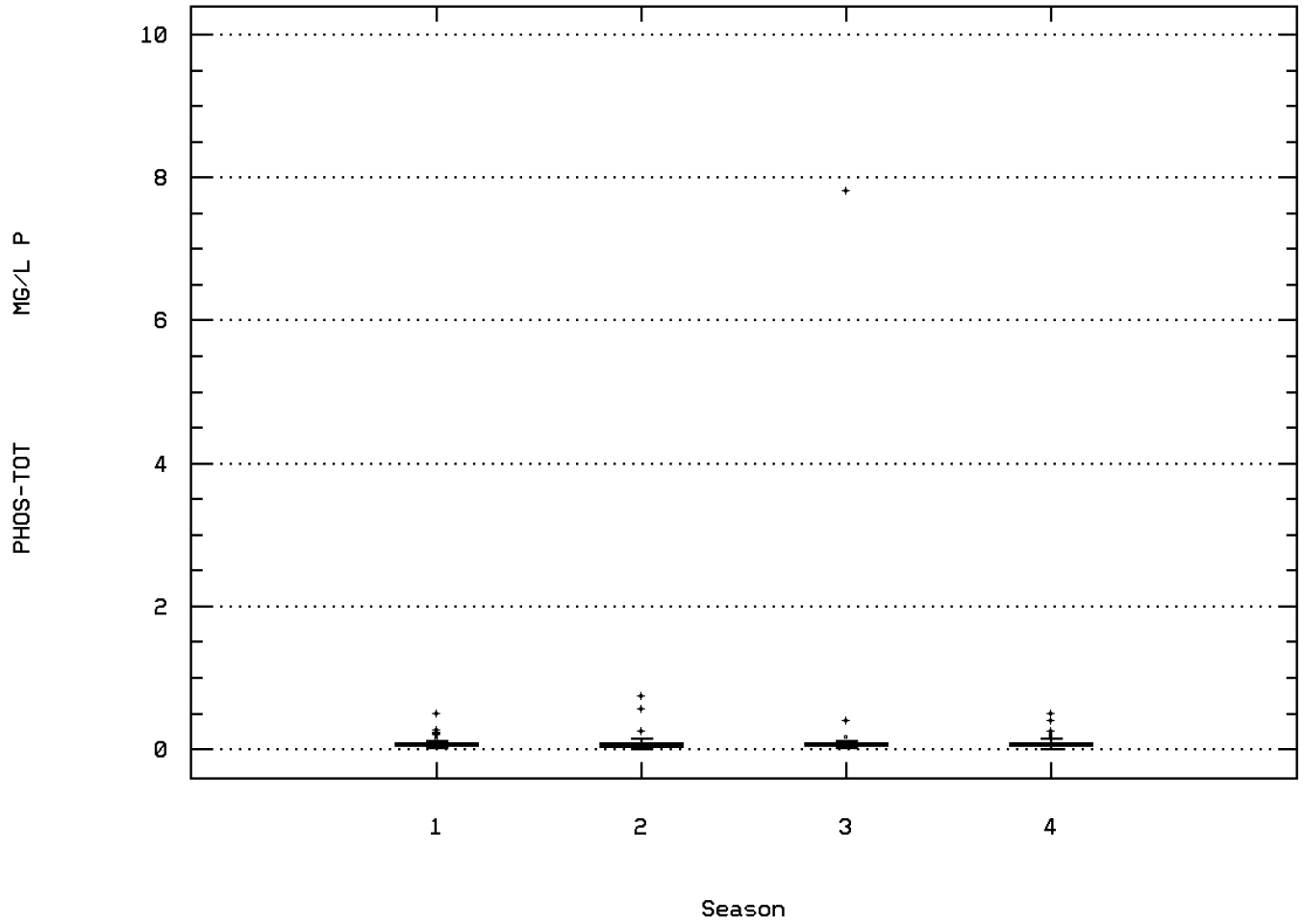
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station: SACN0354 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)



ST. CROIX RIVER FROM RR BRIDGE AT HUDSO

Station Inventory for Station: SACN0355

NPS Station ID: SACN0355
LAT/LON: 44.900004/ -92.773616
Agency: 11EPALES
Date Created: / /
Location: ST CROIX LAKE
FIPS State/County: 55000 WISCONSIN/
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 557801
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 17
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 5.590
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04010302018600.00
RF3 Mile Point: 1.17
Distance from RF3: 0.05
On/Off RF3:
Description:
EAST OF BLACK NAV. BUOY DIRECTLY EAST OF AFTON MARINA.
USGS MAP: ST PAUL PARK QUAD

Parameter Inventory for Station: SACN0355

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	6	20.95	16.417	22.6	6.5	59.406	7.708	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	4	77.5	77.	85.	68.	86.	9.274	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	3	48.	48.	60.	36.	144.	12.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	8	157.5	171.	215.	140.	1113.714	33.372	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	6	8.95	8.233	10.4	5.3	6.035	2.457	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/72-11/04/72	8	7.435	7.338	7.63	7.	0.056	0.237	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/72-11/04/72	8	7.43	7.28	7.63	7.	0.06	0.245	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/72-11/04/72	8	0.037	0.052	0.1	0.023	0.001	0.029	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	8	77.	72.	82.	60.	96.857	9.842	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	8	0.11	0.136	0.21	0.05	0.003	0.059	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	8	0.24	0.205	0.25	0.06	0.005	0.071	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	8	0.038	0.047	0.067	0.032	0.	0.015	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	8	0.024	0.034	0.063	0.02	0.	0.017	**	**	**	**
85302	STRATIFICATION,PERMANENT SUMMER IN LAKE NES	01/01/72-01/01/72	1	2.	2.	2.	2.	0.	0.	**	**	**	**
85303	FISH YIELD IN KG/KM2/YEAR NES	01/01/72-01/01/72	1	21122.	21122.	21122.	21122.	0.	0.	**	**	**	**
85307	LATITUDE, NES SURVEY SINGLE VALUE FOR LAKE STNS.	01/01/72-01/01/72	1	444112.	444112.	444112.	444112.	0.	0.	**	**	**	**
85308	LONGITUDE, SINGLE VALUE FOR LAKE STATIONS NES	01/01/72-01/01/72	1	924645.	924645.	924645.	924645.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0355

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	6	0	0.00	4	0	0.00							2	0	0.00
00400	PH	Other-Hi Lim.	9.	8	0	0.00	6	0	0.00							2	0	0.00
		Other-Lo Lim.	6.5	8	0	0.00	6	0	0.00							2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	6	0	0.00							2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0356

NPS Station ID: SACN0356
LAT/LON: 44.900004/ -92.773616
Agency: 11EPALES
Date Created: / /
Location: ST CROIX LAKE
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 27A701
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 17
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 5.590
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000310.21
RF3 Mile Point: 10.99
Distance from RF3: 0.04
On/Off RF3:
Description:
EAST OF BLACK NAV. BUOY DIRECTLY EAST OF AFTON MARINA. COMMENTS: MODERATELY TURBID AND BROWN-GREEN TO GRAY-GREEN. NO SURFACE ALGAL CONCENTRATIONS, SCUMS, OR DEBRIS REPORTED. TURBIDITY APPEARED TO BE MORE RELATED TO TRANSPORT OF SUSPENDED SOLIDS.
USGS MAP: ST PAUL PARK QUAD.

Parameter Inventory for Station: SACN0356

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	6	20.95	16.417	22.6	6.5	59.406	7.708	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/26/72-11/04/72	4	77.5	77.	85.	68.	86.	9.274	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/28/72-11/04/72	3	48.	48.	60.	36.	144.	12.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	8	157.5	171.	215.	140.	1113.714	33.372	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	6	8.95	8.233	10.4	5.3	6.035	2.457	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/72-11/04/72	8	7.435	7.338	7.63	7.	0.056	0.237	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/72-11/04/72	8	7.43	7.28	7.63	7.	0.06	0.245	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/72-11/04/72	8	0.037	0.052	0.1	0.023	0.001	0.029	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	7	78.	73.714	82.	60.	85.571	9.25	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	7	0.11	0.127	0.21	0.05	0.003	0.057	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	7	0.24	0.2	0.25	0.06	0.006	0.075	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	7	0.038	0.044	0.066	0.032	0.	0.014	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	7	0.022	0.031	0.063	0.02	0.	0.017	**	**	**	**
85301	TROPHIC STATE OF LAKE BY ANALYSIS OF DATA NES	01/01/72-01/01/72	1	3.	3.	3.	3.	0.	0.	**	**	**	**
85302	STRATIFICATION,PERMANENT SUMMER IN LAKE NES	01/01/72-01/01/72	1	1.	1.	1.	1.	0.	0.	**	**	**	**
85303	FISH YIELD IN KG/KM2/YEAR NES	01/01/72-01/01/72	1	21113.	21113.	21113.	21113.	0.	0.	**	**	**	**
85305	RETENTION TIME, MEAN HYDRAULIC IN DAYS NES	01/01/72-01/01/72	1	23.	23.	23.	23.	0.	0.	**	**	**	**
85307	LATITUDE, NES SURVEY SINGLE VALUE FOR LAKE STNS.	01/01/72-01/01/72	1	444412.	444412.	444412.	444412.	0.	0.	**	**	**	**
85308	LONGITUDE, SINGLE VALUE FOR LAKE STATIONS NES	01/01/72-01/01/72	1	924645.	924645.	924645.	924645.	0.	0.	**	**	**	**
85309	PRECIPITATION FOR LAKE FOR YEAR SAMPLE NES CM/YR	01/01/72-01/01/72	1	79.76	79.76	79.76	79.76	0.	0.	**	**	**	**
85310	DEPTH, MAXIMUM FOR LAKE NES SURVEY IN METERS	01/01/72-01/01/72	1	23.77	23.77	23.77	23.77	0.	0.	**	**	**	**
85311	DEPTH, MEAN VALUE FOR LAKE IN METERS NES	01/01/72-01/01/72	1	8.78	8.78	8.78	8.78	0.	0.	**	**	**	**
85312	ROUNDS FOR LAKE IN NUMBER AND TO TOTAL	01/01/72-01/01/72	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
85316	P-LOADING FOR LAKE AND TRIB,MSTP,SEP,IND-GM2/YR	01/01/72-01/01/72	1	8.89	8.89	8.89	8.89	0.	0.	**	**	**	**
85317	FLOW, MEAN INLET BY MONTH,TRIBUTARIES NES CMS	01/01/72-01/01/72	1	144.2	144.2	144.2	144.2	0.	0.	**	**	**	**
85318	FLOW, MEAN OUTLET BY MONTH, TRIBUTARIES NES CMS	01/01/72-01/01/72	1	144.2	144.2	144.2	144.2	0.	0.	**	**	**	**
85319	NITROGEN, TOTAL YR.LOAD RATE FOR LAKE NES G/M2/YR	01/01/72-01/01/72	1	171.4	171.4	171.4	171.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0356

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	6	0	0.00	4	0	0.00							2	0	0.00
00400	PH	Other-Hi Lim.	9.	8	0	0.00	6	0	0.00							2	0	0.00
		Other-Lo Lim.	6.5	8	0	0.00	6	0	0.00							2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00	5	0	0.00							2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0357

NPS Station ID: SACN0357 | LAT/LON: 44.896671/ -92.774726 | Agency: 1115T030 | Date Created: / /
Location: SC 11.3 | | FIPS State/County: 27163 MINNESOTA/WASHINGTON |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): 260112 |
RMI-Indexes: 1021500 015940 | | Within Park Boundary: Yes |
RMI-Miles: 1765.10 0011.30 | | |
HUC: 07030005 | Depth of Water: 999 | Aquifer: |
Major Basin: UPPER MISSISSIPPI | Elevation: 0 | Water Body Id: |
Minor Basin: ST. CROIX RIVER | | ECO Region: |
RF1 Index: 07030005003 | RF1 Mile Point: 5.240 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 07030005000700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.07 | On/Off RF3:

Description:
ST. CROIX RIVER, TRIBUTARY TO UPPER MISSISSIPPI RIVER, EAST OF AFTON. PURPOSE-SAMPLED IN SUPPORT OF TWIN CITY UPPER MISSISSIPPI ENFORCEMENT AND RIVER MODELING VERIFICATION TYPE OF SAMPLING-GRAB
FREQUENCY OF SAMPLING-INFREQUENT

Parameter Inventory for Station: SACN0357

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/64-08/26/64	17	20.	14.847	21.	2.	72.931	8.54	2.	2.05	20.3	20.68
00100	TIME OF TRAVEL (HOURS)	08/25/64-08/25/64	6	20.05	20.083	20.4	19.6	0.09	0.299	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/24/64-08/26/64	15	5.5	5.387	6.6	3.8	0.498	0.706	4.16	5.1	5.8	6.36
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/26/64-08/26/64	3	49.	53.667	79.	33.	545.333	23.352	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/26/64-08/26/64	3	1.69	1.702	1.898	1.519	0.036	0.19	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			50.363								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/26/64-08/26/64	3	0.	0.667	2.	0.	1.333	1.155	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/26/64-08/26/64	3	0.	0.1	0.301	0.	0.03	0.174	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1.26								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0357

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	15	1	0.07	15	1	0.07									
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	3	0	0.00	3	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0358

NPS Station ID: SACN0358
LAT/LON: 44.958338/ -92.775004
Agency: 21MNDNR
Date Created: 07/26/78
Location: ST CROIX RIV.NEAR MISS.RIV.JUNCT
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 003
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07010206000100.00
RF3 Mile Point: 3.67
Distance from RF3: 0.14
On/Off RF3:
Description:
SOURCE: MINNESOTA DEPARTMENT OF NATURAL RESOURCES, GAME AND FISH DIVISION. SPECIAL PUBLICATION NO. 95 - CONSENTRATION OF INSECTICIDES IN FLESH AND BRAIN TISSUE OF MINNESOTA FISH IN 1969. ST CROIX RIVER NORTH OF MISSISSIPPI RIVER JUNCTION

Parameter Inventory for Station: SACN0358

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/01/69-10/01/69	6	0.205	0.242	0.53	0.03	0.042	0.204	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	10/01/69-10/01/69	6 ##	0.001	0.089	0.34	0.001	0.021	0.145	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/01/69-10/01/69	6 ##	0.001	0.119	0.59	0.001	0.056	0.236	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	10/01/69-10/01/69	6 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	10/01/69-10/01/69	6 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	10/01/69-10/01/69	6	1.14	1.925	4.72	0.48	2.741	1.656	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	10/01/69-10/01/69	6	0.985	1.642	4.	0.34	1.982	1.408	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	10/01/69-10/01/69	6	0.16	0.283	0.72	0.07	0.064	0.254	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/01/69-10/01/69	6	0.065	0.077	0.17	0.02	0.004	0.063	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/01/69-10/01/69	6 ##	0.001	0.019	0.08	0.001	0.001	0.032	**	**	**	**
39482	METHOXYCHLOR IN FISH - UG/KG	10/01/69-10/01/69	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/01/69-10/01/69	6	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0359

NPS Station ID: SACN0359
LAT/LON: 44.858337/ -92.775004
Agency: 11EPALES
Date Created: / /
Location: TROUT BROOK
FIPS State/County: 27000 MINNESOTA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 27A7C1 /LS27A7C1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: T/LAKE ST CROIX
Elevation: 0
Water Body Id:
Minor Basin: CO HWY 21 2.5 MI S OF AFTON
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030005000305.80
RF3 Mile Point: 10.62
Distance from RF3: 0.10
On/Off RF3:
Description:
AT CO HWY 21 (POINT DOUGLAS ROAD)BRDG ABOUT 2.5 MI S OF AFTON

Parameter Inventory for Station: SACN0359

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	12	0.019	0.021	0.05	0.007	0.	0.013	0.007	0.009	0.026	0.047
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	13	0.006	0.064	0.74	0.003	0.041	0.203	0.003	0.005	0.014	0.451
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	13	1.4	1.211	1.96	0.005	0.437	0.661	0.115	0.605	1.8	1.952
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	12	0.305	0.482	1.35	0.05	0.205	0.453	0.05	0.115	0.908	1.275
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	12	1.43	1.321	1.96	0.28	0.335	0.579	0.322	0.878	1.885	1.96
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	12	0.043	0.053	0.16	0.025	0.001	0.037	0.025	0.031	0.063	0.134
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	12	0.027	0.031	0.074	0.017	0.	0.015	0.018	0.022	0.034	0.063

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0359

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	13	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	13	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0360

NPS Station ID: SACN0360
LAT/LON: 45.022781/ -92.775838
Agency: 12MIWID
Date Created: / /
Location: ANDERSEN CORP. BAYPORT MN
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/IND/TREATD/OUTFL/ESTURY
STORET Station ID(s): ANDERS /MN 0001724
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 1
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST.CROIX
ECO Region:
RF1 Index: 07030005007
RF1 Mile Point: 3.290
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07010206028700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.13
On/Off RF3:
Description:
END OF THE PIPE WHERE IT FLOWS INTO THE ST CROIX RIVER AT SOUTH END OF THE PLANT AND NORTH OF 005 DISCHARGE.

Parameter Inventory for Station: SACN0360

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/14/74-11/14/74	5	15.5	15.2	21.	10.5	16.2	4.025	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/14/74-11/14/74	5	0.9	3.02	11.	0.7	20.057	4.479	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/14/74-11/14/74	5	450.	444.	460.	420.	230.	15.166	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	11/14/74-11/14/74	5 ##	2.5	2.84	4.2	2.5	0.578	0.76	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/14/74-11/14/74	5	8.	8.	8.2	7.8	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/14/74-11/14/74	5	8.	7.982	8.2	7.8	0.02	0.143	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/14/74-11/14/74	5	0.01	0.01	0.016	0.006	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/14/74-11/14/74	5	424.	424.	440.	400.	288.	16.971	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/14/74-11/14/74	5	237.	241.2	253.	233.	66.2	8.136	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/14/74-11/14/74	5 ##	0.5	2.2	9.	0.5	14.45	3.801	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	11/14/74-11/14/74	5 ##	0.5	3.98	15.8	0.5	44.487	6.67	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/14/74-11/14/74	5	3.	3.6	5.	3.	0.8	0.894	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	11/14/74-11/14/74	5	2.	45.2	220.	1.	9548.7	97.717	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	11/14/74-11/14/74	5	0.301	0.589	2.342	0.	0.984	0.992	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3.881								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/14/74-11/14/74	5 ##	1.	4.2	13.	1.	27.2	5.215	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/14/74-11/14/74	5 ##	0.	0.363	1.114	0.	0.268	0.518	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.305								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/14/74-11/14/74	5	236.	238.6	252.	224.	111.8	10.574	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0360

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	5	0	0.00	5	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	0	0.00	5	0	0.00									
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	0	0.00	5	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0361

NPS Station ID: SACN0361 | LAT/LON: 44.900004/ -92.775838 | Agency: 21MINN | Date Created: 03/17/84
Location: ST CROIX R AT AFTON | FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM/TISSUE | STORET Station ID(s): SC101 /@SSGWH-0934 /SC-11
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: MAJ BASIN: UPPER MISS | Elevation: 0 | Water Body Id:
Minor Basin: MIN BASIN: ST CROIX | ECO Region:
RF1 Index: 07030005003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 07010206067000.00 | RF3 Mile Point: 4.53 | Distance from RF3: 0.27 | On/Off RF3:
Description:
ST CROIX RIVER, NEAR BOAT LAUNCH AT AFTON, MINNESOTA; ST CROIX RIVER BASIN WASHINGTON COUNTY
FISH WERE COLLECTED BY THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES FILLET AND WHOLE FISH SAMPLES WERE PREPARED BY THE MINNESOTA POLLUTION CONTROL AGENCY. SELECTED TOXIC RESIDUES WERE ANALYZED BY THE MINNESOTA

Parameter Inventory for Station: SACN0361

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/29/82-09/25/86	16	1.75	2.031	5.4	0.2	2.304	1.518	0.41	0.6	2.85	4.7
00024	SAMPLE LENGTH IN INCHES	07/29/82-09/25/86	16	15.95	15.756	22.8	9.5	14.763	3.842	9.64	12.85	18.975	21.05
34670	PCB - 1260 WET WGTTISMG/KG	07/29/82-09/25/86	16 ##	0.025	0.096	0.678	0.025	0.028	0.168	0.025	0.025	0.097	0.392
39105	PERCENT FAT HEXANE EXTRACTION	07/29/82-09/25/86	16	1.2	2.225	7.2	0.25	6.391	2.528	0.25	0.313	2.775	7.13
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	07/29/82-09/25/86	16 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	07/29/82-09/25/86	16	228.	809.875	6540.	25.	2619451.05	1618.472	25.	109.	717.5	3467.
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/29/82-09/25/86	16	0.228	0.891	7.22	0.025	3.214	1.793	0.025	0.111	0.815	3.86
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/29/82-09/25/86	16	1.5	3.	10.	1.	7.467	2.733	1.	1.	4.75	7.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0362

NPS Station ID: SACN0362
LAT/LON: 45.029727/ -92.775838
Agency: 12MIWID
Date Created: 03/23/78
Location: WSP ALLEN S KING POWER PT
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/IND/TREATD/OUTFL/ESTURY
STORET Station ID(s): NSPASK
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 1
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005007
RF1 Mile Point: 3.580
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000701.42
RF3 Mile Point: 4.09
Distance from RF3: 0.00
On/Off RF3:
Description:
SAMPLE OF MAIN DISCHARGE CANAL COLLECTED AT HEAD OF CANAL

Parameter Inventory for Station: SACN0362

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0363

NPS Station ID: SACN0363
LAT/LON: 45.029753/ -92.775838
Agency: 12MIWID
Date Created: 03/23/78
Location: NSP ALLEN S KING POWER PT
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/IND/TREATD/OUTFL/ESTURY
STORET Station ID(s): NSPASH /MN 0000825
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 11
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005007
RF1 Mile Point: 3.580
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07010206125900.00
RF3 Mile Point: 0.25
Distance from RF3: 0.04
On/Off RF3:
Description:
HOLDING POND EFFLUENT COLLECTED AT SMALL BUILDING ON SOUTH END OF POND

Parameter Inventory for Station: SACN0363

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0364

NPS Station ID: SACN0364
LAT/LON: 44.900004/ -92.775838
Agency: 21MINNQ
Date Created: 09/17/94
Location: ST CROIX R AT AFTON
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): SC101 /@SSGWH-0934 /SC-11
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST CROIX
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST CROIX RIVER, NEAR BOAT LAUNCH AT AFTON, MINNESOTA; ST CROIX RIVER BASIN WASHINGTON COUNTY
FISH WERE COLLECTED BY THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES FILLET AND WHOLE FISH SAMPLES WERE PREPARED BY THE MINNESOTA POLLUTION CONTROL AGENCY. SELECTED TOXIC RESIDUES WERE ANALYZED BY THE MINNESOTA

Parameter Inventory for Station: SACN0364

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0365

NPS Station ID: SACN0365
LAT/LON: 44.900004/ -92.779170
Agency: 112WRD
Date Created: 04/20/77
Location: ST. CROIX RIVER AT AFTON, MN
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05341770
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005003
RF1 Mile Point: 5.590
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07010206000114.34
RF3 Mile Point: 15.78
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0365

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	06/21/78-06/19/79	2	0.316	0.316	0.551	0.08	0.111	0.333	**	**	**	**
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	06/21/78-06/19/79	2	0.59	0.59	1.1	0.08	0.52	0.721	**	**	**	**
70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	06/19/79-06/19/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	06/21/78-06/19/79	2	2.55	2.55	5.1	0.	13.005	3.606	**	**	**	**
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	06/21/78-06/19/79	2	0.95	0.95	1.9	0.	1.805	1.344	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0366

NPS Station ID: SACN0366
LAT/LON: 45.772504/ -92.782503
Agency: 21MINN
Date Created: / /
Location: ST CROIX R. SH-70 E OF PINE CITY
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): SCSC-80BB-15E67/@SSGWG-0130 /SC-80
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX
ECO Region:
RF1 Index: 07030005028
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030003000113.07
RF3 Mile Point: 13.07
Distance from RF3: 0.27
On/Off RF3:
Description:
ST. CROIX RIVER, BRIDGE ON SH-70, 9 MILES EAST OF PINE CITY, MINNESOTA; ST. CROIX RIVER BASIN T 38 N R 20 W S 13 PINE COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1967-71

Parameter Inventory for Station: SACN0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/12/67-06/25/71	41	50.	50.756	77.	32.	277.789	16.667	32.	32.	66.5	74.
00023	SAMPLE WEIGHT IN POUNDS	09/26/91-09/26/91	5	4.8	4.58	8.8	0.2	11.362	3.371	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/26/91-09/26/91	5	23.6	19.66	25.4	6.2	62.198	7.887	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/12/67-12/17/68	14	8.5	8.321	12.	2.7	8.226	2.868	2.9	7.425	10.25	12.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/25/71	27	3.4	3.637	6.6	2.1	1.169	1.081	2.58	2.8	4.1	5.6
00080	COLOR (PLATINUM-COBALT UNITS)	06/12/67-06/25/71	41	45.	65.902	150.	2.	1948.39	44.141	20.	30.	100.	140.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/12/67-06/25/71	40	165.	163.125	300.	87.	2086.728	45.681	101.	130.	180.	219.
00300	OXYGEN, DISSOLVED MG/L	06/12/67-06/25/71	40	9.55	9.815	14.	6.6	3.13	1.769	7.71	8.3	11.35	12.56
00310	BOD, 5 DAY, 20 DEG C MG/L	06/12/67-06/25/71	40	2.4	2.99	30.	0.25	20.301	4.506	1.	1.625	3.025	4.25
00400	PH (STANDARD UNITS)	06/12/67-06/25/71	41	7.5	7.637	8.4	6.8	0.179	0.423	7.1	7.3	8.	8.3
00400	CONVERTED PH (STANDARD UNITS)	06/12/67-06/25/71	41	7.5	7.454	8.4	6.8	0.213	0.462	7.1	7.3	8.	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/12/67-06/25/71	41	0.032	0.035	0.158	0.004	0.001	0.033	0.005	0.01	0.05	0.079
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/12/67-06/25/71	41	70.	73.22	130.	14.	641.576	25.329	41.2	55.	91.	110.
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	09/24/69-09/24/69	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/12/67-06/25/71	41	130.	131.293	260.	82.	1060.762	32.569	93.2	120.	140.	168.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/12/67-06/25/71	41	47.	55.738	110.	0.25	617.256	24.845	26.	40.	77.5	91.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/12/67-06/25/71	41	8.	8.146	36.	2.	37.578	6.13	2.	4.	10.5	12.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/12/67-06/25/71	41	3.	3.537	9.	1.	2.455	1.567	2.	2.	4.	5.8
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/24/69-09/25/70	2 ##	0.275	0.275	0.4	0.15	0.031	0.177	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/12/67-06/25/71	40	0.66	0.704	1.8	0.15	0.174	0.417	0.15	0.415	0.978	1.39
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/12/67-06/25/71	40 ##	0.1	0.112	0.26	0.1	0.001	0.037	0.1	0.1	0.1	0.19
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/12/67-06/25/71	40 ##	0.01	0.018	0.06	0.01	0.	0.012	0.01	0.01	0.02	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/12/67-06/25/71	40	0.16	0.195	0.79	0.01	0.031	0.176	0.025	0.063	0.278	0.472
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/12/67-06/25/71	40	0.07	0.079	0.22	0.03	0.002	0.041	0.04	0.05	0.098	0.12
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/69-09/25/70	2 ##	0.014	0.014	0.025	0.003	0.	0.016	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	09/24/69-09/24/69	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/12/67-06/25/71	41	80.	85.073	140.	44.	455.62	21.345	58.4	71.	99.	118.
00910	CALCIUM (MG/L AS CACO3)	09/24/69-09/25/70	2	77.	77.	84.	70.	98.	9.899	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	09/24/69-09/25/70	2	17.	17.	18.	16.	2.	1.414	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-09/25/70	2	4.7	4.7	5.	4.4	0.18	0.424	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/24/69-09/25/70	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/12/67-06/25/71	40	3.	3.15	19.	0.5	8.797	2.966	0.5	2.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/69-09/25/70	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-09/25/70	2 ##	0.09	0.09	0.13	0.05	0.003	0.057	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/24/69-09/25/70	2	8.2	8.2	12.	4.4	28.88	5.374	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/28/70-06/25/71	10 ##	5.	5.6	11.	5.	3.6	1.897	5.	5.	5.	10.4
01007	BARIUM, TOTAL (UG/L AS BA)	09/24/69-09/25/70	2 ##	17.5	17.5	25.	10.	112.5	10.607	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/24/69-09/25/70	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/25/71	28 ##	5.	5.357	10.	5.	1.72	1.311	5.	5.	5.	5.5
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/24/69-09/24/69	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/24/69-09/24/69	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/25/71	28 ##	5.	11.679	160.	5.	855.56	29.25	5.	5.	5.	12.8
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/25/71	28	365.	513.071	2400.	34.	260494.661	510.387	68.8	152.5	705.	1140.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-04/23/71	26 ##	5.	7.115	40.	5.	54.346	7.372	5.	5.	5.	13.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/25/71	28	50.	98.964	1000.	10.	33925.369	184.188	19.	30.	95.5	169.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/25/71	28 ##	5.	5.893	20.	5.	9.358	3.059	5.	5.	5.	10.
01077	SILVER, TOTAL (UG/L AS AG)	09/24/69-09/25/70	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/25/71	28 ##	5.	44.571	620.	5.	14882.698	121.995	5.	5.	22.25	114.
01147	SELENIUM, TOTAL (UG/L AS SE)	09/24/69-06/25/71	8 ##	5.	4.688	5.	2.5	0.781	0.884	**	**	**	**
01501	ALPHA, TOTAL	09/25/70-09/25/70	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01502	ALPHA, TOTAL, COUNTING ERROR	09/25/70-09/25/70	1	2.	2.	2.	2.	0.	0.	**	**	**	**
03501	BETA, TOTAL	09/25/70-09/25/70	1	7.	7.	7.	7.	0.	0.	**	**	**	**
03502	BETA, TOTAL, COUNTING ERROR	09/25/70-09/25/70	1	2.	2.	2.	2.	0.	0.	**	**	**	**
04263	INVALID PARAMETER	09/26/91-09/26/91	5	910930.	910930.	910930.	910930.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/12/67-06/25/71	41	310.	479.268	1700.	50.	193926.951	440.371	114.	185.	700.	1260.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/12/67-06/25/71	41	2.491	2.515	3.23	1.699	0.152	0.39	2.056	2.266	2.845	3.099
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			327.482								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/67-06/25/71	41	20.	54.146	230.	10.	3444.878	58.693	10.	10.	80.	148.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/67-06/25/71	41	1.301	1.504	2.362	1.	0.204	0.452	1.	1.	1.903	2.17
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			31.912								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/24/69-09/25/70	2 ##	137.5	137.5	270.	5.	35112.5	187.383	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/24/69-09/25/70	2 ##	1.565	1.565	2.431	0.699	1.501	1.225	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			36.742								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/24/69-09/25/70	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	09/26/91-09/26/91	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	09/26/91-09/26/91	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/12/67-06/25/71	40 ##	0.05	0.177	0.64	0.05	0.028	0.166	0.05	0.05	0.34	0.445
39105	PERCENT FAT HEXANE EXTRACTION	09/26/91-09/26/91	5	1.	2.28	6.5	0.3	6.677	2.584	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/11/67-09/24/69	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/26/91-09/26/91	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-06/25/71	11 ##	0.05	0.064	0.2	0.05	0.002	0.045	0.05	0.05	0.05	0.17
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/26/91-09/26/91	5	0.25	0.306	0.62	0.14	0.034	0.184	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/26/91-09/26/91	5	1.	1.8	4.	1.	1.7	1.304	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0366

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	27	0	0.00	8	0	0.00	7	0	0.00	2	0	0.00	10	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	40	0	0.00	14	0	0.00	10	0	0.00	3	0	0.00	13	0	0.00
00400	PH	Other-Hi Lim.	9.	41	0	0.00	14	0	0.00	10	0	0.00	3	0	0.00	14	0	0.00
		Other-Lo Lim.	6.5	41	0	0.00	14	0	0.00	10	0	0.00	3	0	0.00	14	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	40	0	0.00	14	0	0.00	10	0	0.00	3	0	0.00	13	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	40	0	0.00	14	0	0.00	10	0	0.00	3	0	0.00	13	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1 &	0	0.00	1	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	40	0	0.00	14	0	0.00	10	0	0.00	3	0	0.00	13	0	0.00
		Drinking Water	250.	40	0	0.00	14	0	0.00	10	0	0.00	3	0	0.00	13	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	10	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
		Drinking Water	50.	10	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0366

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2 &	2	1.00	1	1	1.00	1	1	1.00						
		Drinking Water	5.	2 &	2	1.00	1	1	1.00	1	1	1.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	28	2	0.07	9	0	0.00	8	1	0.13	2	0	0.00	9	1	0.11
		Drinking Water	1300.	28	0	0.00	9	0	0.00	8	0	0.00	2	0	0.00	9	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	26	0	0.00	9	0	0.00	8	0	0.00	2	0	0.00	7	0	0.00
		Drinking Water	15.	26	2	0.08	9	1	0.11	8	1	0.13	2	0	0.00	7	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	28	0	0.00	9	0	0.00	8	0	0.00	2	0	0.00	9	0	0.00
		Drinking Water	100.	28	0	0.00	9	0	0.00	8	0	0.00	2	0	0.00	9	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	28	2	0.07	9	0	0.00	8	1	0.13	2	0	0.00	9	1	0.11
		Drinking Water	5000.	28	0	0.00	9	0	0.00	8	0	0.00	2	0	0.00	9	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	8	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00
		Drinking Water	50.	8	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	41	6	0.15	14	0	0.00	10	2	0.20	3	0	0.00	14	4	0.29
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	41	2	0.05	14	0	0.00	10	1	0.10	3	0	0.00	14	1	0.07
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	1	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	11	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00
		Drinking Water	2.	11	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0367

NPS Station ID: SACN0367
LAT/LON: 45.772504/ -92.782503
Agency: 21MINNQ
Date Created: 09/17/94
Location: ST CROIX R. SH-70 E OF PINE CITY
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): SCSC-80BB-15E67/@SSGWG-0130 /SC-80
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX
ECO Region:
RF1 Index: 07030005028
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST. CROIX RIVER, BRIDGE ON SH-70, 9 MILES EAST OF PINE CITY, MINNESOTA; ST. CROIX RIVER BASIN T 38 N R 20 W S 13 PINE COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1967-71

Parameter Inventory for Station: SACN0367

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0368

NPS Station ID: SACN0368
LAT/LON: 44.766670/ -92.783338
Agency: 31M&WPCB
Date Created: 05/26/78
Location: PRESCOTT
FIPS State/County: 55093 WISCONSIN/PIERCE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): SC-2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 3.30
On/Off RF1:
RF3 Index: 07030005000208.04
RF3 Mile Point: 8.10
Distance from RF3: 0.19
On/Off RF3:
Description:
DATA FROM MINN-WISC PCB INTERAGENCY TASK FORCE REPORT "PCBS IN THE UPPER MISSISSIPPI RIVER BASIN"
SEDIMENT AND WATER SAMPLE SAMPLE FROM ST. CROIX RIVER ABOVE CONFLUENCE WITH MISSISSIPPI RIVER

Parameter Inventory for Station: SACN0368

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	1	70.	70.	70.	70.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0369

NPS Station ID: SACN0369
LAT/LON: 45.230281/ -92.788060
Agency: 21MINNL
Date Created: 06/05/93
Location: LAKE: SAND 1.5 MI S OF SCANDIA
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0067
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 18.2 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 5.5 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0369

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0370

NPS Station ID: SACN0370
LAT/LON: 45.230281/ -92.788060
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: SAND 1.5 MI S OF SCANDIA
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0067
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 18.2 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 5.5 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0370

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0371

NPS Station ID: SACN0371
LAT/LON: 44.733337/ -92.791671
Agency: 31M&WPCB
Date Created: 05/26/78
Location: HASTINGS
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UMS-25
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07040001
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISSISSIPPI RIVER
ECO Region:
RF1 Index: 07040001011
RF1 Mile Point: 2.360
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206126800.00
RF3 Mile Point: 0.11
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM MINN-WISC PCB INTERAGENLY TASK FORCE REPORT "PCBS IN THE UPPER MISSISSIPPI RIVER BASIN"
SEDIMENT AND WATER SAMPLE SAMPLE FROM MISSISSIPPI RIVER BELOW CONFLUENCE WITH ST. CROIX AT RIVERM
ILE 809

Parameter Inventory for Station: SACN0371

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0372

NPS Station ID: SACN0372
LAT/LON: 45.150003/ -92.791671
Agency: 112WRD
Date Created: 04/24/82
Location: DUMMY NAME
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 450900092473001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07010206109900.00
RF3 Mile Point: 0.23
Distance from RF3: 0.19
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0372

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/20/81-09/01/82	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/20/81-09/01/82	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0373

NPS Station ID: SACN0373
LAT/LON: 45.038616/ -92.791699
Agency: 12MIWID
Date Created: / /
Location: STILLWATER MN WWTP INFLUENT
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/MUN/TREATD/OUTFL/ESTURY
STORET Station ID(s): STILTP /MN 0029998
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 500
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX
ECO Region:
RF1 Index: 07030005007
RF1 Mile Point: 4.600
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07010206000111.96
RF3 Mile Point: 13.89
Distance from RF3: 0.16
On/Off RF3:
Description:
THIS W. W. T. P. EFFLUENT STATION IS LOCATED AT THE END OF THE THE BAR SCREEN AND THE GRIT CHAMBER

Parameter Inventory for Station: SACN0373

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/03/74-12/03/74	1	11.1	11.1	11.1	11.1	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/03/74-12/03/74	2	39.	39.	70.	8.	1922.	43.841	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/03/74-12/03/74	2	1020.	1020.	1020.	1020.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/03/74-12/03/74	2	128.55	128.55	241.5	15.6	25515.405	159.735	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	12/03/74-12/03/74	2	231.5	231.5	434.	29.	82012.5	286.378	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/03/74-12/03/74	2	7.4	7.4	7.5	7.3	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/03/74-12/03/74	2	7.389	7.389	7.5	7.3	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/03/74-12/03/74	2	0.041	0.041	0.05	0.032	0.	0.013	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/03/74-12/03/74	2	220.	220.	247.	193.	1458.	38.184	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/03/74-12/03/74	2	654.5	654.5	763.	546.	23544.5	153.442	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/03/74-12/03/74	2	109.	109.	204.	14.	18050.	134.35	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/03/74-12/03/74	2	15.85	15.85	17.1	14.6	3.125	1.768	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/03/74-12/03/74	2	20.5	20.5	24.	17.	24.5	4.95	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/03/74-12/03/74	2	0.475	0.475	0.68	0.27	0.084	0.29	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/03/74-12/03/74	2	3.712	3.712	7.	0.424	21.622	4.65	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/03/74-12/03/74	2	54.	54.	100.	8.	4232.	65.054	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/03/74-12/03/74	2	126.5	126.5	134.	119.	112.5	10.607	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	12/03/74-12/03/74	2 ##	105.	105.	160.	50.	6050.	77.782	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	12/03/74-12/03/74	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	12/03/74-12/03/74	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/03/74-12/03/74	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	12/03/74-12/03/74	2 ##	40.5	40.5	76.	5.	2520.5	50.205	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/03/74-12/03/74	2	765.	765.	1300.	230.	572450.	756.604	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/03/74-12/03/74	2 ##	23.5	23.5	32.	15.	144.5	12.021	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	12/03/74-12/03/74	2	125.	125.	140.	110.	450.	21.213	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	12/03/74-12/03/74	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	12/03/74-12/03/74	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/03/74-12/03/74	2	111.	111.	180.	42.	9522.	97.581	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/03/74-12/03/74	2	720.	720.	1100.	340.	288800.	537.401	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/03/74-12/03/74	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/03/74-12/03/74	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			10.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/03/74-12/03/74	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/03/74-12/03/74	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	12/03/74-12/03/74	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0373

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	12/03/74-12/03/74	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			1.								
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	12/03/74-12/03/74	1	1.771	1.771	1.771	1.771	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/03/74-12/03/74	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/03/74-12/03/74	2	545.5	545.5	559.	532.	364.5	19.092	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	12/03/74-12/03/74	2	0.45	0.45	0.6	0.3	0.045	0.212	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0373

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	1	0.50				2	1	0.50						
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00				2	0	0.00						
01027	CADMIUM, TOTAL	Marine Acute	43.	2	0	0.00				2	0	0.00						
01032	CHROMIUM, HEXAVALENT	Marine Acute	1100.	2	0	0.00				2	0	0.00						
01042	COPPER, TOTAL	Marine Acute	2.9	1 &	1	1.00				1	1	1.00						
01051	LEAD, TOTAL	Marine Acute	220.	2	0	0.00				2	0	0.00						
01067	NICKEL, TOTAL	Marine Acute	75.	2	0	0.00				2	0	0.00						
01077	SILVER, TOTAL	Marine Acute	0.12	0 &	0	0.00												
01092	ZINC, TOTAL	Marine Acute	95.	2	1	0.50				2	1	0.50						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	0	0.00				1	0	0.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						
50060	CHLORINE, TOTAL RESIDUAL	Marine Acute	0.013	1	1	1.00				1	1	1.00						
71900	MERCURY, TOTAL	Marine Acute	2.1	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0374

NPS Station ID: SACN0374
LAT/LON: 45.413616/ -92.793893
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: LITTLE 2 MI NE OF LINDSTROM
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/LAKE/TISSUE/BIO
STORET Station ID(s): 13-0033
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 64.3 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 7.0 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0374

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0375

NPS Station ID: SACN0375
LAT/LON: 45.413616/ -92.793893
Agency: 21MINNL
Date Created: 03/09/85
Location: LAKE: LITTLE 2 MI NE OF LINDSTROM
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/LAKE/TISSUE/BIO
STORET Station ID(s): 13-0033
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 64.3 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 7.0 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 7.00
On/Off RF1:
RF3 Index: 07030005144000.00
RF3 Mile Point: 0.13
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0375

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	06/20/84-06/20/84	2	4.2	4.2	5.4	3.	2.88	1.697	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	06/20/84-06/20/84	2	24.6	24.6	26.2	23.	5.12	2.263	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/20/84-06/20/84	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	06/20/84-06/20/84	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0376

NPS Station ID: SACN0376 LAT/LON: 45.050781/ -92.795004 Agency: 21WITIS Date Created: 08/06/88
Location: ST CROIX RIVER 07 STILLWATER FIPS State/County: 55109 WISCONSIN/ST CROIX
Station Type: /TYPA/AMBNT/STREAM/TISSUE STORET Station ID(s): 565004 /6270MA565004
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: UPPER MISSISSIPPI Elevation: 55 Water Body Id:
Minor Basin: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 19.80 On/Off RF1:
RF3 Index: 07030005230700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.05 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164

Parameter Inventory for Station: SACN0376

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/14/84-10/14/85	4	3.99	3.813	5.29	1.98	1.873	1.369	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/14/84-10/14/85	5	19.4	19.94	25.	16.2	10.148	3.186	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/14/84-09/14/84	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/14/84-09/14/84	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	09/14/84-09/14/84	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	09/14/84-09/14/84	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/14/84-09/14/84	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/14/84-10/14/85	5 ##	0.1	0.9	3.1	0.1	1.7	1.304	**	**	**	**
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	09/14/84-10/14/85	5	1.4	4.61	12.	0.85	25.231	5.023	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0377

NPS Station ID: SACN0377
LAT/LON: 45.620837/ -92.795837
Agency: 21WIS
Date Created: 08/28/82
Location: COWAN CR 1.5 MI SO OF COUNTY LNE
FIPS State/County: 55095 WISCONSIN/POLK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 493038 /6270AC493038/3620W123038
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 4
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030005004400.00
RF3 Mile Point: 0.29
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION FOR DAN RYAN OF NORTHWEST DIST. (715)635-2101 COWAN CREEK @ TWN RD X-ING BETWEEN SECS. 11 & 12, T36N, R20W. BIOTIC INDEX SURVEY (NON-POINT) SAMPLING SITE 1980. POOR SAMPLING CONDITIONS , SHIFTING SAND BOTTOM.

Parameter Inventory for Station: SACN0377

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0378

NPS Station ID: SACN0378
LAT/LON: 45.118059/ -92.797782
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: LITTLE CARNELIAN 6 MI S OF MARINE
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0014
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 27.5 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 8.8 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0378

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0379

NPS Station ID: SACN0379
LAT/LON: 45.118059/ -92.797782
Agency: 21MINNL
Date Created: 07/20/91
Location: LAKE: LITTLE CARNELIAN 6 MI S OF MARINE
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0014
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 27.5 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 8.8 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030005076900.00
RF3 Mile Point: 0.00
Distance from RF3: 0.24
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0379

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/02/91-10/01/94	98	4.27	4.326	6.4	3.2	0.541	0.735	3.51	3.923	4.608	5.514
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/20/91-08/26/92	6	190.	191.667	210.	180.	176.667	13.292	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/20/91-08/26/92	6	8.55	8.533	9.	7.9	0.151	0.388	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/20/91-08/26/92	6	8.525	8.378	9.	7.9	0.18	0.424	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/20/91-08/26/92	6	0.003	0.004	0.013	0.001	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/91-08/26/92	5	110.	105.2	120.	90.	145.2	12.05	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/20/91-08/26/92	6	0.59	0.862	2.3	0.46	0.503	0.709	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/20/91-08/26/92	6	0.02	0.021	0.05	0.005	0.	0.016	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/20/91-08/26/92	6 ##	0.015	0.017	0.03	0.01	0.	0.008	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/20/91-08/26/92	6	3.75	3.75	6.	1.	2.975	1.725	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/20/91-08/26/92	6 ##	0.01	0.011	0.016	0.008	0.	0.003	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	06/20/91-08/26/92	6	16.75	17.2	21.3	14.6	7.908	2.812	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0379

				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Other-Hi Lim.	9.	6	1	0.17	2	0	0.00							4	1	0.25
		Other-Lo Lim.	6.5	6	0	0.00	2	0	0.00							4	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00	2	0	0.00							4	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1991 - Station SACN0379

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/02/91-10/01/94	20	4.19	4.19	5.64	3.2	0.416	0.645	3.2	3.81	4.683	4.999

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0379

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/02/91-10/01/94	37	4.27	4.526	5.9	3.96	0.29	0.538	3.96	4.27	4.8	5.492

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0379

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/02/91-10/01/94	28	3.96	4.365	6.4	3.35	1.028	1.014	3.494	3.66	5.18	6.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0379

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/02/91-10/01/94	13	3.96	3.882	4.57	3.35	0.156	0.395	3.414	3.51	4.27	4.45

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0380

NPS Station ID: SACN0380 LAT/LON: 44.745837/ -92.800004 Agency: 21MINN Date Created: 02/06/82
Location: MISSISSIPPI R. BY CONFLUENCE WITH ST. CROIX R. FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM/TISSUE STORET Station ID(s): MS116 /@SSGWJ-0355 /UM-811.5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07040001 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: LOWER PORTION UPPER MISS ECO Region:
RF1 Index: 07040001011 RF1 Mile Point: 0.100 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 07010206112100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.38 On/Off RF3:
Description:
MISSISSIPPI RIVER, FISH COLLECTION NEAR PRESCOTT, WISCONSIN; LOWER PORTION UPPER MISSISSIPPI RIVER BASIN DAKOTA COUNTY
FISH WERE COLLECTED BY ELECTROSHOCKING IMMEDIATELY DOWNSTREAM OF THE CONFLUENCE OF THE ST. CROIX RIVER AND MISSISSIPPI RIVER BY THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES. FILLET AND WHOLE FISH TISSUE

Parameter Inventory for Station: SACN0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/24/75-09/17/87	58	3.2	3.733	11.8	0.4	6.531	2.556	1.	1.5	5.5	7.42
00024	SAMPLE LENGTH IN INCHES	07/24/75-09/17/87	55	19.8	19.129	28.3	8.7	21.704	4.659	12.96	15.1	23.1	25.12
34670	PCB - 1260 WET WGTTISMG/KG	05/30/78-09/17/87	43	0.185	0.28	0.995	0.013	0.076	0.276	0.025	0.051	0.426	0.756
34674	PCB - 1016 WET WGTTISMG/KG	05/30/78-06/06/79	9	0.11	0.146	0.53	0.013	0.025	0.158	0.013	0.033	0.18	0.53
39105	PERCENT FAT HEXANE EXTRACTION	07/24/75-09/17/87	55	4.1	4.528	16.3	0.2	15.968	3.996	0.3	1.1	6.9	9.34
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	08/06/80-09/17/87	34	38.	58.338	206.	12.5	2260.572	47.545	18.75	25.	77.25	120.
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	05/30/78-09/17/87	43	1080.	1679.605	6210.	51.	2853471.721	1689.222	125.	378.	2350.	4616.
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/24/75-09/17/87	58	1.78	2.414	9.8	0.051	6.105	2.471	0.13	0.449	3.425	6.522
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/06/80-09/17/87	18	0.22	0.255	0.76	0.03	0.028	0.167	0.12	0.138	0.365	0.463
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/24/75-09/17/87	58	2.	2.793	7.	1.	3.921	1.98	1.	1.	5.	6.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/24/75-09/17/87	24	3.75	4.021	9.3	0.6	6.573	2.564	0.95	1.65	6.275	8.05
00024	SAMPLE LENGTH IN INCHES	07/24/75-09/17/87	24	20.95	20.088	25.8	11.9	19.572	4.424	13.05	16.1	23.625	25.55
34670	PCB - 1260 WET WGTTISMG/KG	05/30/78-09/17/87	23	0.161	0.28	0.995	0.025	0.091	0.301	0.025	0.025	0.423	0.854
39105	PERCENT FAT HEXANE EXTRACTION	07/24/75-09/17/87	24	5.5	5.252	14.8	0.25	16.734	4.091	0.25	0.8	8.5	10.7
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	08/06/80-09/17/87	23 ##	25.	58.739	195.	25.	2000.565	44.728	25.	25.	82.	121.2
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	05/30/78-09/17/87	23	618.	1043.652	3950.	74.	1031227.51	1015.494	122.	181.	1810.	2500.
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/24/75-09/17/87	24	0.9	1.441	4.96	0.074	1.871	1.368	0.124	0.233	2.56	3.475
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/24/75-09/17/87	24	1.	1.875	5.	1.	1.505	1.227	1.	1.	2.75	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/24/75-09/17/87	3	3.8	3.3	5.	1.1	3.99	1.997	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	07/24/75-09/17/87	3	4.9	4.767	7.6	1.8	8.423	2.902	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/24/75-09/17/87	3	3.5	4.967	8.	3.4	6.903	2.627	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/24/75-09/17/87	3	4.	4.	6.	2.	4.	2.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	07/24/75-09/17/87	31	2.9	3.552	11.8	0.4	6.985	2.643	1.	1.3	5.4	7.4
00024	SAMPLE LENGTH IN INCHES	07/24/75-09/17/87	31	19.2	18.387	28.3	8.7	22.758	4.771	11.8	14.1	22.4	24.26
34670	PCB - 1260 WET WGTTISMG/KG	05/30/78-09/17/87	20	0.222	0.281	0.877	0.013	0.063	0.252	0.014	0.06	0.479	0.693
39105	PERCENT FAT HEXANE EXTRACTION	07/24/75-09/17/87	28	2.05	3.882	16.3	0.2	16.152	4.019	0.3	1.1	5.875	8.18
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	08/06/80-09/17/87	11	40.	57.5	206.	12.5	3057.5	55.295	12.5	12.5	75.	180.4
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	05/30/78-09/17/87	20	1885.	2410.95	6210.	51.	4061024.682	2015.198	142.9	388.75	3802.5	5807.4
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/24/75-09/17/87	31	1.93	2.92	9.8	0.051	8.029	2.834	0.169	0.456	4.64	7.016
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/24/75-09/17/87	31	3.	3.387	7.	1.	4.845	2.201	1.	1.	5.	6.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0381

NPS Station ID: SACN0381 LAT/LON: 44.745837/ -92.800004 Agency: 21MINNQ Date Created: 09/17/94
Location: MISSISSIPPI R. BY CONFLUENCE WITH ST. CROIX R. FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM/TISSUE STORET Station ID(s): MS116 /@SSGWJ-0355 /UM-811.5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07040001 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: LOWER PORTION UPPER MISS ECO Region:
RF1 Index: 07040001011 RF1 Mile Point: 0.100 Distance from RF1: 20.50 On/Off RF1: ON
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
MISSISSIPPI RIVER, FISH COLLECTION NEAR PRESCOTT, WISCONSIN; LOWER PORTION UPPER MISSISSIPPI RIVER BASIN DAKOTA COUNTY
FISH WERE COLLECTED BY ELECTROSHOCKING IMMEDIATELY DOWNSTREAM OF THE CONFLUENCE OF THE ST. CROIX RIVER AND MISSISSIPPI RIVER BY THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES. FILLET AND WHOLE FISH TISSUE

Parameter Inventory for Station: SACN0381

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0382

NPS Station ID: SACN0382 LAT/LON: 45.058337/ -92.800004 Agency: 11EPALES Date Created: / /
Location: ST CROIX RIVER FIPS State/County: 27000 MINNESOTA/
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 27A7A1 /LS27A7A1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: I/LAKE ST CROIX Elevation: 0 Water Body Id:
Minor Basin: AT INT BRDG BETW STILLWATER& HOULTON ECO Region:
RF1 Index: 07030005007 RF1 Mile Point: 5.870 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07010206000111.96 RF3 Mile Point: 13.07 Distance from RF3: 0.07 On/Off RF3:
Description:
AT INTERSTATE BRDG E CHESTNUT ST) BETWEEN STILLWATER, MN & HOULTON, WI

Parameter Inventory for Station: SACN0382

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	9	0.016	0.036	0.138	0.003	0.002	0.043	0.003	0.012	0.056	0.138
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	9	0.004	0.005	0.017	0.001	0.	0.005	0.001	0.002	0.006	0.017
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	9	0.07	0.158	0.67	0.005	0.043	0.206	0.005	0.031	0.205	0.67
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	9	0.84	0.977	1.54	0.66	0.109	0.33	0.66	0.685	1.28	1.54
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	9	0.08	0.162	0.69	0.005	0.045	0.212	0.005	0.033	0.205	0.69
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	9	0.056	0.06	0.085	0.05	0.	0.013	0.05	0.05	0.069	0.085
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	9	0.013	0.014	0.027	0.006	0.	0.006	0.006	0.012	0.016	0.027

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0382

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	3	0	0.00				1	0	0.00	5	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	9	0	0.00	3	0	0.00				1	0	0.00	5	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	3	0	0.00				1	0	0.00	5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0383

NPS Station ID: SACN0383
LAT/LON: 44.745837/ -92.800004
Agency: 112WRD
Date Created: / /
Location: MISSISSIPPI RIVER AT PRESCOTT, WI
FIPS State/County: 55093 WISCONSIN/PIERCE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05344500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 0.100
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07040001000300.00
RF3 Mile Point: 0.70
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0383

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/67-04/06/67	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	04/06/67-04/06/67	1	86000.	86000.	86000.	86000.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/06/67-04/06/67	1	86000.	86000.	86000.	86000.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/06/67-04/06/67	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/06/67-04/06/67	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/06/67-04/06/67	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/06/67-04/06/67	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/67-04/06/67	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/06/67-04/06/67	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/06/67-04/06/67	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/06/67-04/06/67	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/06/67-04/06/67	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/06/67-04/06/67	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	04/06/67-04/06/67	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/06/67-04/06/67	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/06/67-04/06/67	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/06/67-04/06/67	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	04/06/67-04/06/67	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	04/06/67-04/06/67	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/06/67-04/06/67	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/06/67-04/06/67	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/06/67-04/06/67	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/06/67-04/06/67	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/06/67-04/06/67	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	04/06/67-04/06/67	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	04/06/67-04/06/67	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/06/67-04/06/67	1	104.	104.	104.	104.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/06/67-04/06/67	1	24150.	24150.	24150.	24150.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/06/67-04/06/67	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/06/67-04/06/67	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/06/67-04/06/67	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0383

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0384

NPS Station ID: SACN0384 LAT/LON: 45.056671/ -92.801949 Agency: 21MINNQ Date Created: 09/17/94
Location: ST. CROIX R DNSTRM OF MN-212 BR IN STILLWATER
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): SCSC-23CBB15E53/@SSGWH-0019 /SC-23
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005007 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: ON
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
ST. CROIX RIVER SHORELINE GRAB SAMPLE JUST DOWNSTREAM OF THE BRIDGE ON MINNESOTA STATE HIGHWAY 212 IN STILLWATER, MINNESOTA;
ST. CROIX RIVER BASIN T30N/R20W/S28 WASHINGTON COUNTY SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE
WATER QUALITY MONITORING. PERIOD SAMPLED: 1953-65, 100180-093083,

Parameter Inventory for Station: SACN0384

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0385

NPS Station ID: SACN0385 LAT/LON: 45.056671/ -92.801949 Agency: 21MINN Date Created: / /
Location: ST. CROIX R DNSTRM OF MN-212 BR IN STILLWATER FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM/NET STORET Station ID(s): SCSC-23CBB15E53/@SSGWH-0019 /SC-23
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005007 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 07030005000104.29 RF3 Mile Point: 4.61 Distance from RF3: 0.14 On/Off RF3:
Description:
ST. CROIX RIVER SHORELINE GRAB SAMPLE JUST DOWNSTREAM OF THE BRIDGE ON MINNESOTA STATE HIGHWAY 212 IN STILLWATER, MINNESOTA;
ST. CROIX RIVER BASIN T30N/R20W/S28 WASHINGTON COUNTY SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE
WATER QUALITY MONITORING. PERIOD SAMPLED: 1953-65, 100180-093083,

Parameter Inventory for Station: SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	64	14.5	13.688	26.5	0.	77.972	8.83	0.	5.125	22.	24.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	67	58.	55.896	82.	32.	249.307	15.789	32.	41.	71.	75.2
00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-10/19/61	48	3410.	5275.208	17900.	1700.	16545829.743	4067.657	2254.	2555.	7525.	11950.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	66	10.	11.686	30.	1.	30.11	5.487	5.91	8.075	14.25	19.3
00080	COLOR (PLATINUM-COBALT UNITS)	01/21/53-07/25/56	14	62.5	64.071	160.	16.	1833.918	42.824	17.5	21.5	91.25	140.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	64	180.	184.844	650.	100.	7419.023	86.134	120.	140.	200.	220.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	64	4.	4.266	10.	1.	5.579	2.362	1.	2.	6.	7.5
00300p	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	131	8.7	8.959	15.2	4.8	4.307	2.075	6.2	7.4	10.7	11.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	131	2.	2.281	7.	0.25	1.554	1.247	0.92	1.3	3.	4.24
00400	PH (STANDARD UNITS)	01/21/53-10/18/65	67	7.8	7.806	8.8	6.7	0.184	0.429	7.2	7.6	8.1	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-10/18/65	67	7.8	7.591	8.8	6.7	0.231	0.481	7.2	7.6	8.1	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-10/18/65	67	0.016	0.026	0.2	0.002	0.001	0.031	0.005	0.008	0.025	0.063
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	64	7.9	7.894	8.8	7.5	0.072	0.268	7.6	7.7	8.	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	64	7.9	7.827	8.8	7.5	0.077	0.277	7.6	7.7	8.	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	64	0.013	0.015	0.032	0.002	0.	0.007	0.006	0.01	0.02	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-09/29/81	24	85.5	81.875	120.	48.	431.332	20.769	49.	68.	100.	105.
00500	RESIDUE, TOTAL (MG/L)	01/21/53-10/29/59	23	130.	143.478	230.	110.	969.17	31.131	120.	120.	160.	198.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/21/53-07/25/56	15	54.	61.933	120.	20.	664.495	25.778	30.8	43.	82.	104.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	105	8.	10.198	38.	0.8	57.159	7.56	2.	5.	14.5	20.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	40	4.5	4.91	18.	0.4	8.714	2.952	2.	3.	6.	8.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	64	0.66	0.681	1.56	0.05	0.076	0.275	0.37	0.513	0.86	0.975
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	89	0.08	0.073	0.2	0.01	0.002	0.046	0.01	0.03	0.1	0.12
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/23/58-10/29/59	6	0.99	1.233	3.6	0.08	1.726	1.314	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	71	0.72	0.837	4.6	0.05	0.339	0.582	0.432	0.56	0.97	1.26
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	63	0.15	0.185	0.55	0.005	0.021	0.144	0.044	0.1	0.21	0.496
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	87	0.069	0.085	0.3	0.01	0.003	0.057	0.03	0.046	0.11	0.172
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/09/91-07/09/91	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/28/80-10/29/91	12	89.	82.333	113.	45.	343.879	18.544	50.1	66.25	93.5	107.9
00910	CALCIUM (MG/L AS CACO3)	10/28/80-10/29/91	12	57.5	53.25	72.	30.	133.841	11.569	33.3	42.75	60.75	68.7
00920	MAGNESIUM (MG/L AS CACO3)	10/28/80-10/29/91	12	30.5	29.083	41.	15.	50.447	7.103	16.8	23.5	33.75	39.5
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	28	3.	3.223	8.	0.25	4.025	2.006	0.5	2.	5.	6.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002	ARSENIC, TOTAL (UG/L AS AS)	10/28/80-06/28/83	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/28/80-10/29/91	4	0.05	0.103	0.3	0.01	0.019	0.137	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/28/80-10/29/91	5	0.8	0.74	1.	0.4	0.078	0.279	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/28/80-10/29/91	5	2.	1.55	2.	0.25	0.575	0.758	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/29/91-10/29/91	1	760.	760.	760.	760.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/28/80-10/29/91	5	1.5	1.53	3.	0.15	1.142	1.069	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/29/91-10/29/91	1	49.	49.	49.	49.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/28/80-06/28/83	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/28/80-10/29/91	5	9.	31.2	130.	2.	3060.7	55.324	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/91-10/29/91	2 ##	185.	185.	220.	150.	2450.	49.497	**	**	**	**
03501	BETA, TOTAL	03/27/58-03/27/58	1	35.	35.	35.	35.	0.	0.	**	**	**	**
03503	BETA, DISSOLVED	04/09/57-10/18/65	9	15.	35.444	160.	7.5	2389.653	48.884	7.5	7.5	40.5	160.
03504	BETA, DISSOLVED, COUNTING ERROR	06/04/65-06/04/65	1	18.	18.	18.	18.	0.	0.	**	**	**	**
03505	BETA, SUSPENDED	03/09/65-10/18/65	5 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	65	1100.	1790.769	22000.	100.	9436285.337	3071.854	200.	450.	2300.	3820.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-10/18/65	65	3.041	2.973	4.342	2.	0.227	0.476	2.301	2.653	3.362	3.576
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			939.41								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10/30/90-09/15/94	36	24.	37.875	250.	4.	2075.62	45.559	6.95	13.	47.25	78.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	10/30/90-09/15/94	36	1.38	1.384	2.398	0.602	0.169	0.411	0.828	1.11	1.674	1.868
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			24.198								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/19/83	40	65.	97.25	500.	10.	12676.859	112.592	10.	27.5	100.	197.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/19/83	40	1.801	1.763	2.699	1.	0.22	0.469	1.	1.401	2.	2.294
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			57.881								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/06/62-10/18/65	16 ##	0.05	0.068	0.15	0.05	0.001	0.034	0.05	0.05	0.088	0.136
71900	MERCURY, TOTAL (UG/L AS HG)	10/28/80-06/28/83	3	0.2	0.183	0.3	0.05	0.016	0.126	**	**	**	**
81906	DESCRIPTION OF SAMPLE	04/16/91-09/15/94	34	270898.5	264221.353	272587.	210473.	303792727.387	17429.651	233295.5	270218.75	271588.75	271950.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0385

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	131	0	0.00	41	0	0.00	16	0	0.00	16	0	0.00	58	0	0.00
00400	PH	Other-Hi Lim.	9.	67	0	0.00	20	0	0.00	9	0	0.00	7	0	0.00	31	0	0.00
		Other-Lo Lim.	6.5	67	0	0.00	20	0	0.00	9	0	0.00	7	0	0.00	31	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	64	0	0.00	21	0	0.00	7	0	0.00	9	0	0.00	27	0	0.00
		Other-Lo Lim.	6.5	64	0	0.00	21	0	0.00	7	0	0.00	9	0	0.00	27	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	2	0	0.00	2	0	0.00				2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	63	0	0.00	21	0	0.00	7	0	0.00	9	0	0.00	26	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00										1	0	0.00
		Drinking Water	0.2	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	28	0	0.00	9	0	0.00	1	0	0.00	4	0	0.00	14	0	0.00
		Drinking Water	250.	28	0	0.00	9	0	0.00	1	0	0.00	4	0	0.00	14	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	1	0	0.00							2	0	0.00
		Drinking Water	50.	3	0	0.00	1	0	0.00							2	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	2	0	0.00							2	0	0.00
		Drinking Water	5.	4	0	0.00	2	0	0.00							2	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00							3	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	2	0	0.00							3	0	0.00
		Drinking Water	1300.	5	0	0.00	2	0	0.00							3	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00							3	0	0.00
		Drinking Water	15.	5	0	0.00	2	0	0.00							3	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00							2	0	0.00
		Drinking Water	100.	3	0	0.00	1	0	0.00							2	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	5	1	0.20	2	0	0.00							3	1	0.33
		Drinking Water	5000.	5	0	0.00	2	0	0.00							3	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	65	33	0.51	20	10	0.50	9	7	0.78	7	4	0.57	29	12	0.41
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	36	1	0.03	11	0	0.00	4	0	0.00	6	0	0.00	15	1	0.07
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	40	4	0.10	14	1	0.07	3	1	0.33	4	1	0.25	19	1	0.05

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

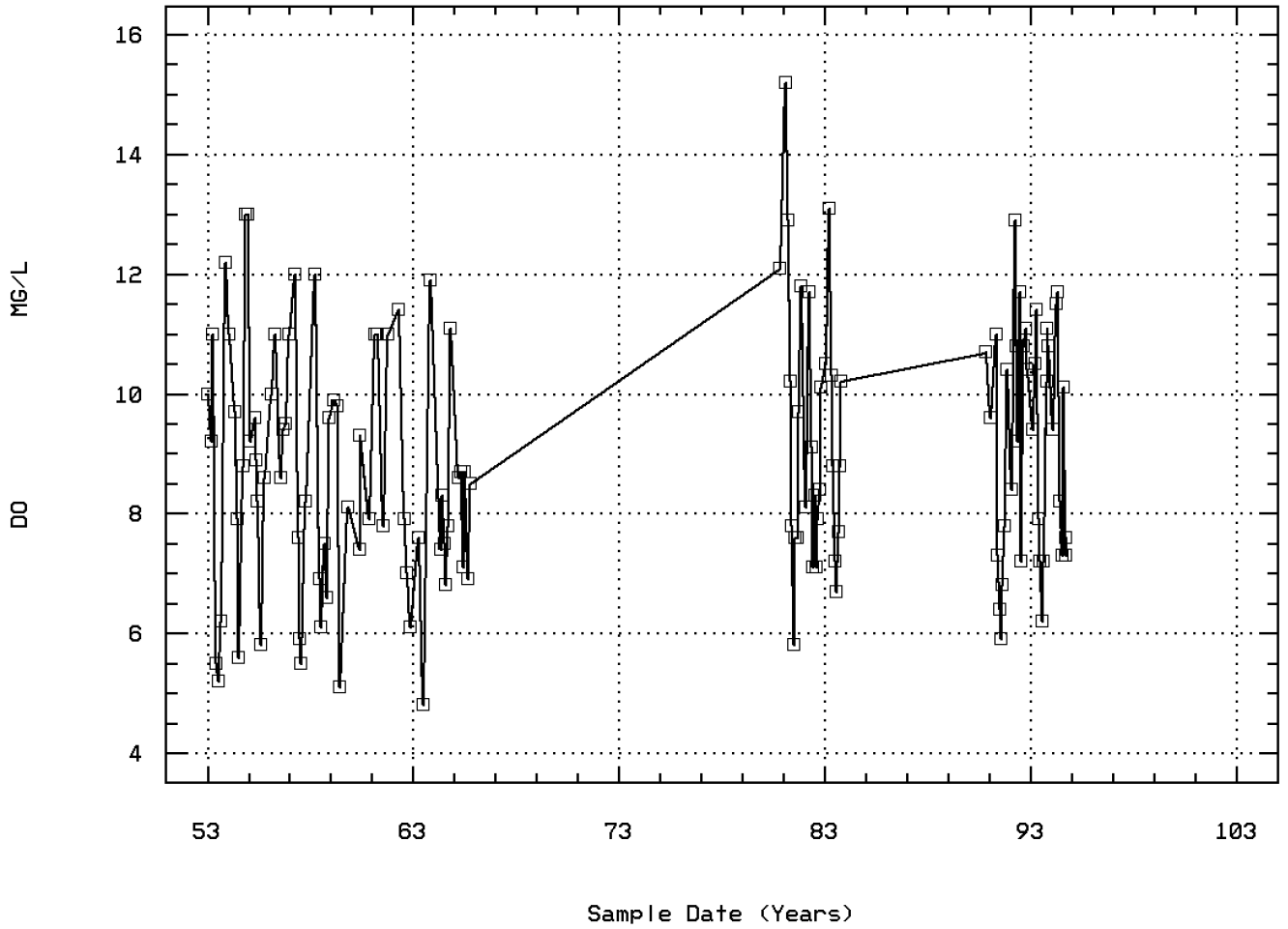
EPA Water Quality Criteria Analysis for Station: SACN0385

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
71900 MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	1	0	0.00							2	0	0.00
	Drinking Water	2.	3	0	0.00	1	0	0.00							2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: SACN0385 Parameter Code: 00300

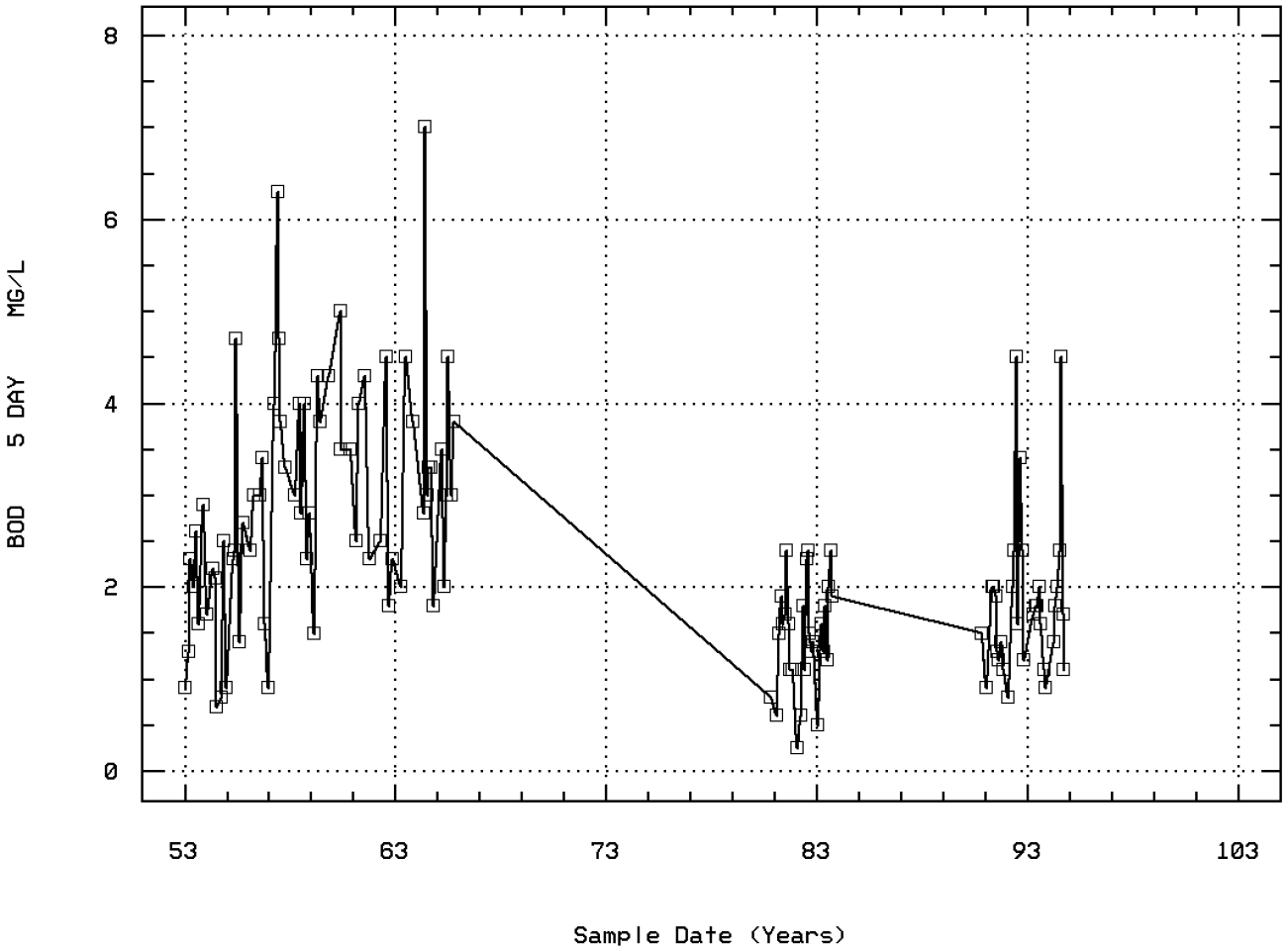
OXYGEN, DISSOLVED



ST. CROIX R DNSTRM OF MN-212 BR IN STIL

Station: SACN0385 Parameter Code: 00310

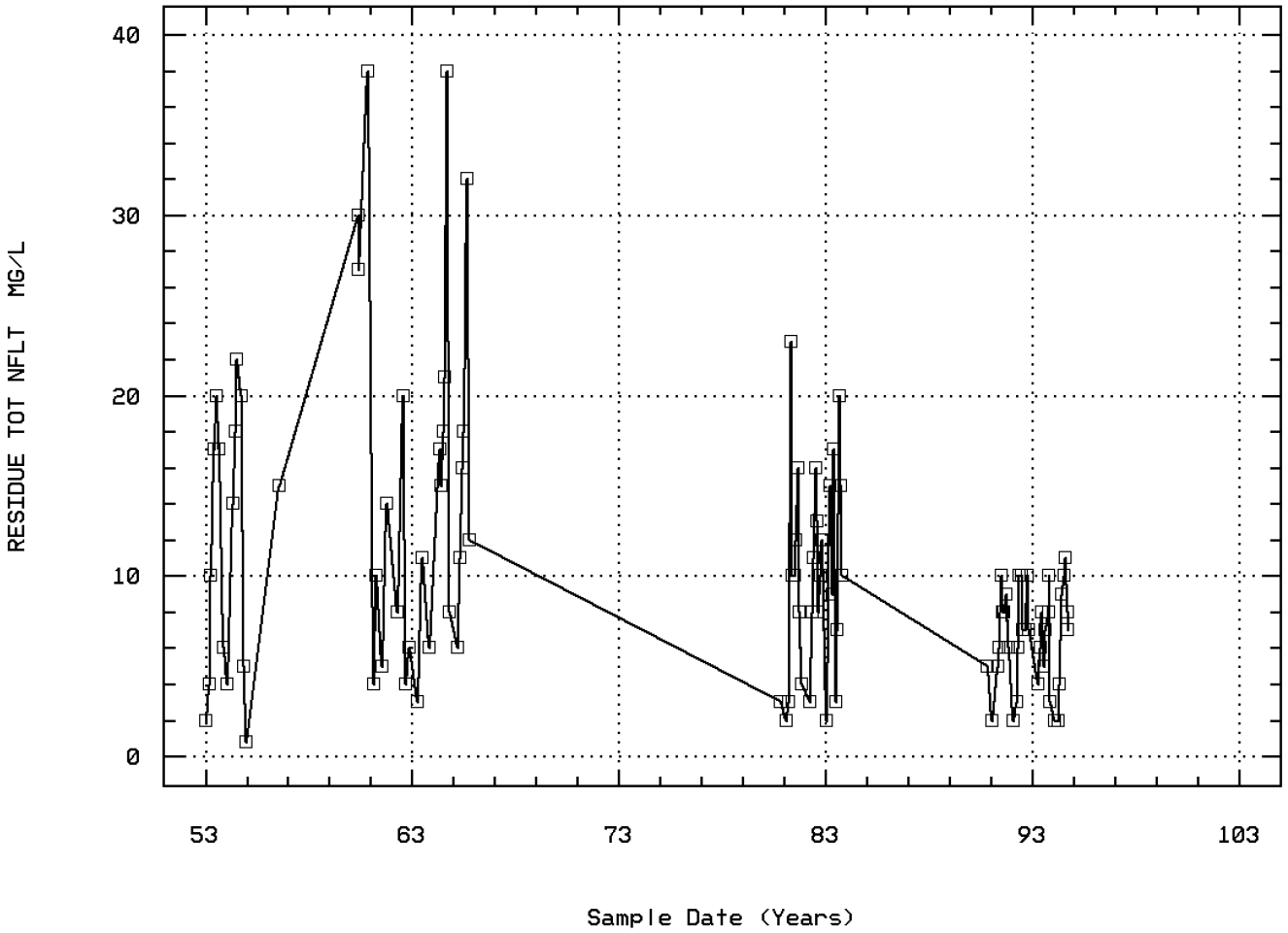
BOD, 5 DAY, 20 DEG C



ST. CROIX R DNSTRM OF MN-212 BR IN STIL

Station: SACN0385 Parameter Code: 00530

RESIDUE, TOTAL NONFILTRABLE (MG/L)



ST. CROIX R DNSTRM OF MN-212 BR IN STIL

Annual Analysis for 1953 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	7	9.2	8.471	12.2	5.2	7.976	2.824	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	7	2.	1.943	2.9	0.9	0.516	0.718	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	7	10.	10.857	20.	2.	51.476	7.175	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1954 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	7	9.7	9.857	13.	5.6	7.36	2.713	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	7	1.7	1.557	2.5	0.7	0.56	0.748	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	7	14.	11.971	22.	0.8	73.739	8.587	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1955 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	6	8.75	8.383	9.6	5.8	1.834	1.354	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	6	2.35	2.417	4.7	1.	1.67	1.292	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1956 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	6	9.75	9.917	11.	8.6	0.906	0.952	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	6	2.7	2.383	3.4	0.9	0.922	0.96	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	1	15.	15.	15.	15.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1957 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	5	7.6	7.84	12.	5.5	6.683	2.585	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	5	4.	4.42	6.3	3.3	1.357	1.165	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1958 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	6	7.2	8.117	12.	6.1	5.102	2.259	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	6	2.9	3.15	4.	2.3	0.487	0.698	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	3	1.3	1.36	2.3	0.48	0.831	0.911	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	3	0.12	0.14	0.2	0.1	0.003	0.053	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1959 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	4	8.95	8.225	9.9	5.1	5.023	2.241	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	4	4.05	3.475	4.3	1.5	1.789	1.338	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	4	1.39	2.015	4.6	0.68	3.33	1.825	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	4	0.205	0.205	0.3	0.11	0.007	0.083	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1960 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	3	7.9	8.2	9.3	7.4	0.97	0.985	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	3	3.5	4.	5.	3.5	0.75	0.866	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	3	30.	31.667	38.	27.	32.333	5.686	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1961 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	4	11.	10.2	11.	7.8	2.56	1.6	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	4	3.25	3.275	4.3	2.3	1.043	1.021	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	4	7.5	8.25	14.	4.	21.583	4.646	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1962 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	4	7.45	8.1	11.4	6.1	5.38	2.319	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	4	2.4	2.775	4.5	1.8	1.409	1.187	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	4	7.	9.5	20.	4.	51.667	7.188	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	4 ##	0.1	0.125	0.2	0.1	0.003	0.05	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1963 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	3	7.6	8.1	11.9	4.8	12.79	3.576	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	3	3.8	3.433	4.5	2.	1.663	1.29	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	3	6.	6.667	11.	3.	16.333	4.041	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	3	0.11	0.093	0.14	0.03	0.003	0.057	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1964 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	6	7.65	8.15	11.1	6.8	2.331	1.527	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	6	3.15	3.533	7.	1.8	3.191	1.786	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	6	17.5	19.5	38.	8.	101.1	10.055	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	6	0.14	0.143	0.19	0.11	0.001	0.032	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1965 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	6	8.55	8.083	8.7	6.9	0.714	0.845	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	6	3.25	3.3	4.5	2.	0.72	0.849	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	6	14.	15.833	32.	6.	80.167	8.954	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	6	0.16	0.167	0.25	0.1	0.003	0.054	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	1	12.1	12.1	12.1	12.1	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	1	0.51	0.51	0.51	0.51	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	1	0.014	0.014	0.014	0.014	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	9	13.	13.	23.	0.	75.	8.66	0.	5.	22.	23.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	9	180.	167.778	230.	100.	1744.444	41.767	100.	125.	190.	230.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	9	5.5	5.222	10.	1.	6.382	2.526	1.	3.5	6.5	10.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	9	9.7	9.844	15.2	5.8	9.075	3.013	5.8	7.6	12.35	15.2
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	9	1.6	1.5	2.4	0.6	0.27	0.52	0.6	1.1	1.8	2.4
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	9	7.7	7.767	8.1	7.5	0.035	0.187	7.5	7.65	7.9	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	9	7.7	7.734	8.1	7.5	0.036	0.19	7.5	7.65	7.9	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	9	0.02	0.018	0.032	0.008	0.	0.007	0.008	0.013	0.023	0.032
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	9	10.	9.778	23.	2.	45.194	6.723	2.	3.5	14.	23.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	9	0.84	0.808	1.56	0.27	0.136	0.368	0.27	0.545	0.975	1.56
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.07	0.07	0.12	0.02	0.001	0.035	0.02	0.04	0.1	0.12

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	9	0.93	0.878	1.64	0.33	0.143	0.378	0.33	0.6	1.06	1.64
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	8	0.165	0.211	0.5	0.11	0.018	0.134	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	9	0.066	0.064	0.079	0.04	0.	0.012	0.04	0.059	0.074	0.079

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	9	15.	14.556	26.	0.	81.778	9.043	0.	6.	23.	26.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	9	180.	221.111	580.	120.	19061.111	138.062	120.	155.	210.	580.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	9	6.5	5.722	9.	2.	5.569	2.36	2.	3.5	7.5	9.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	9	8.3	8.644	11.7	7.1	2.183	1.477	7.1	7.5	9.6	11.7
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	9	1.4	1.406	2.4	0.25	0.505	0.711	0.25	0.85	2.05	2.4
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	9	7.9	7.844	8.2	7.6	0.038	0.194	7.6	7.65	7.95	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	9	7.9	7.808	8.2	7.6	0.039	0.198	7.6	7.65	7.95	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	9	0.013	0.016	0.025	0.006	0.	0.007	0.006	0.011	0.023	0.025
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	9	10.	9.111	16.	1.	22.611	4.755	1.	5.5	12.5	16.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	9	0.75	0.673	0.95	0.31	0.044	0.21	0.31	0.49	0.835	0.95
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.08	0.083	0.15	0.04	0.001	0.034	0.04	0.06	0.105	0.15
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	9	0.81	0.757	1.04	0.42	0.038	0.194	0.42	0.595	0.905	1.04
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	9	0.08	0.17	0.52	0.02	0.039	0.198	0.02	0.055	0.31	0.52
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	9	0.064	0.054	0.078	0.01	0.001	0.023	0.01	0.038	0.07	0.078

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	9	15.5	14.333	26.5	0.	94.625	9.728	0.	5.25	24.25	26.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	9	160.	155.556	210.	110.	1027.778	32.059	110.	125.	180.	210.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	9	4.	5.389	8.5	2.	5.111	2.261	2.	4.	7.5	8.5
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	9	8.8	9.256	13.1	6.7	3.988	1.997	6.7	7.45	10.4	13.1
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	9	1.6	1.522	2.4	0.5	0.337	0.58	0.5	1.1	1.95	2.4
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	9	7.7	7.756	8.	7.6	0.03	0.174	7.6	7.6	7.95	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	9	7.7	7.727	8.	7.6	0.031	0.177	7.6	7.6	7.95	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	9	0.02	0.019	0.025	0.01	0.	0.007	0.01	0.011	0.025	0.025
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	9	10.	10.889	20.	2.	39.361	6.274	2.	5.	16.	20.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	9	0.86	0.808	0.91	0.52	0.016	0.125	0.52	0.75	0.885	0.91
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.1	0.121	0.2	0.08	0.002	0.04	0.08	0.095	0.15	0.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	9	0.97	0.929	1.08	0.62	0.019	0.139	0.62	0.86	1.02	1.08
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	9	0.14	0.157	0.4	0.04	0.012	0.111	0.04	0.085	0.21	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	9	0.077	0.072	0.09	0.03	0.	0.019	0.03	0.064	0.087	0.09

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	1	0.73	0.73	0.73	0.73	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	1	0.051	0.051	0.051	0.051	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	8	16.75	14.688	24.	0.	83.781	9.153	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	8	160.	161.25	230.	120.	1412.5	37.583	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	8	3.5	3.75	7.	1.	3.643	1.909	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	8	7.55	8.15	11.	5.9	3.726	1.93	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	8	1.35	1.475	2.	0.9	0.188	0.433	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	8	7.8	7.8	8.1	7.5	0.04	0.2	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	8	7.8	7.76	8.1	7.5	0.042	0.204	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	8	0.016	0.017	0.032	0.008	0.	0.008	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	8	7.	6.75	10.	2.	6.5	2.55	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	8	0.645	0.824	1.43	0.48	0.139	0.372	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	8 ##	0.02	0.026	0.06	0.01	0.	0.019	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	8	0.66	0.845	1.43	0.48	0.139	0.372	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	8	0.175	0.203	0.49	0.09	0.015	0.123	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	8	0.044	0.059	0.113	0.024	0.001	0.037	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	9	16.5	14.5	24.5	1.	79.625	8.923	1.	6.	22.75	24.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	9	190.	171.111	220.	120.	1211.111	34.801	120.	135.	195.	220.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	9	2.	2.889	5.	1.	2.111	1.453	1.	2.	4.5	5.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	9	10.8	10.278	12.9	7.2	3.037	1.743	7.2	8.8	11.4	12.9
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	9	2.	2.144	4.5	0.8	1.448	1.203	0.8	1.1	2.9	4.5
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	9	8.2	8.167	8.8	7.7	0.163	0.403	7.7	7.8	8.55	8.8
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	9	8.2	8.028	8.8	7.7	0.184	0.429	7.7	7.8	8.55	8.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	9	0.006	0.009	0.02	0.002	0.	0.007	0.002	0.003	0.016	0.02
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	9	7.	6.889	10.	2.	8.611	2.934	2.	4.5	10.	10.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	9	0.58	0.609	0.8	0.31	0.025	0.159	0.31	0.51	0.76	0.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9 ##	0.01	0.031	0.1	0.01	0.001	0.034	0.01	0.01	0.055	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	9	0.64	0.634	0.81	0.31	0.024	0.154	0.31	0.57	0.77	0.81
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	9	0.16	0.163	0.42	0.005	0.019	0.138	0.005	0.04	0.26	0.42
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	9	0.058	0.058	0.099	0.03	0.	0.02	0.03	0.041	0.07	0.099

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	10	12.5	12.25	23.5	0.	75.736	8.703	0.	3.75	20.875	23.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	10	200.	219.	650.	110.	24565.556	156.734	111.	127.5	210.	606.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	10	3.	3.6	7.	1.	5.156	2.271	1.	1.75	6.	6.9
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	10	9.8	9.19	11.4	6.2	3.603	1.898	6.3	7.2	10.875	11.37
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	10	1.35	1.39	2.	0.9	0.181	0.425	0.91	1.	1.8	1.98
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	10	7.9	7.9	8.2	7.6	0.042	0.205	7.6	7.75	8.1	8.19
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	10	7.9	7.856	8.2	7.6	0.044	0.211	7.6	7.75	8.1	8.19
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	10	0.013	0.014	0.025	0.006	0.	0.007	0.006	0.008	0.018	0.025
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	10	5.5	5.3	10.	1.	9.344	3.057	1.	2.5	8.	9.8
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	10	0.455	0.46	0.92	0.05	0.058	0.241	0.061	0.363	0.565	0.895
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	10	0.035	0.042	0.09	0.01	0.001	0.031	0.01	0.01	0.073	0.089
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	10	0.48	0.492	1.	0.05	0.064	0.253	0.07	0.385	0.59	0.971
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	10	0.175	0.229	0.55	0.07	0.027	0.166	0.073	0.123	0.293	0.546
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	10	0.047	0.05	0.089	0.021	0.	0.021	0.022	0.033	0.064	0.087

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	8	21.	14.688	24.5	0.	114.281	10.69	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	8	195.	198.75	270.	160.	1212.5	34.821	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	8	3.	3.125	8.	1.	5.839	2.416	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	8	8.8	9.137	11.7	7.3	3.306	1.818	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	8	1.75	1.988	4.5	1.	1.244	1.115	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	8	8.	8.063	8.5	7.7	0.051	0.226	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	8	8.	8.015	8.5	7.7	0.054	0.232	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	8	0.01	0.01	0.02	0.003	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	8	7.5	6.625	11.	2.	12.554	3.543	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	8	0.54	0.638	1.06	0.25	0.069	0.262	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	8	0.03	0.055	0.16	0.01	0.004	0.063	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	8	0.635	0.689	1.09	0.41	0.052	0.229	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	8	0.14	0.168	0.55	0.025	0.03	0.172	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	8	0.05	0.077	0.226	0.03	0.004	0.065	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	21	13.	14.119	25.	4.	42.223	6.498	5.4	8.25	21.5	23.4
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	20	55.5	55.05	77.	38.	119.839	10.947	39.3	46.	62.	70.9
00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-10/19/61	13	3010.	3363.846	7150.	2200.	1747525.641	1321.94	2264.	2445.	3865.	5886.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	20	10.	11.25	25.	1.	33.382	5.778	3.75	7.5	15.75	19.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	21	190.	200.476	650.	130.	11344.762	106.512	132.	155.	200.	210.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	21	4.	4.786	9.	2.	5.164	2.273	2.	2.5	6.75	8.
00300p	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	41	8.8	9.151	13.	6.1	3.386	1.84	6.92	7.65	10.75	11.88
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	41	1.7	2.051	4.3	0.8	0.993	0.996	1.	1.15	2.8	3.74
00400	PH (STANDARD UNITS)	01/21/53-10/18/65	20	7.95	7.84	8.6	6.7	0.309	0.556	7.	7.425	8.3	8.58
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-10/18/65	20	7.947	7.486	8.6	6.7	0.441	0.664	7.	7.425	8.3	8.58
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-10/18/65	20	0.011	0.033	0.2	0.003	0.002	0.049	0.003	0.005	0.038	0.1
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	21	8.	7.952	8.4	7.6	0.051	0.225	7.6	7.75	8.1	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	21	8.	7.897	8.4	7.6	0.054	0.232	7.6	7.75	8.1	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	21	0.01	0.013	0.025	0.004	0.	0.007	0.006	0.008	0.018	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	34	8.	11.529	38.	3.	79.954	8.942	4.	6.	14.25	26.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	13	4.	4.923	18.	2.	17.244	4.153	2.	3.	5.5	13.2
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	21	0.55	0.625	0.97	0.31	0.035	0.186	0.432	0.495	0.805	0.932
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	30 ##	0.065	0.063	0.12	0.01	0.001	0.038	0.01	0.028	0.1	0.1
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	23	0.6	0.666	1.04	0.31	0.045	0.212	0.434	0.48	0.87	1.004
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	21	0.15	0.149	0.22	0.05	0.002	0.043	0.084	0.115	0.18	0.208
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	29	0.064	0.07	0.2	0.014	0.002	0.043	0.03	0.04	0.085	0.14
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	9	4.	4.333	7.	2.	2.5	1.581	2.	3.	5.5	7.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	20	950.	1749.5	11000.	200.	5987762.895	2446.991	303.	460.	2300.	4640.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-10/18/65	20	2.972	3.009	4.041	2.301	0.188	0.433	2.481	2.662	3.362	3.657
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1019.874								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/19/83	14 ##	50.	94.286	500.	10.	15918.681	126.169	10.	10.	102.5	335.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/19/83	14 ##	1.699	1.698	2.699	1.	0.279	0.528	1.	1.	2.01	2.465
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			49.845								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	7	0.	0.143	1.	0.	0.143	0.378	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	9	32.	32.667	35.	32.	1.	1.	32.	32.	33.	35.
00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-10/19/61	9	2400.	2347.778	2700.	1780.	111069.444	333.271	1780.	2050.	2595.	2700.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	9	7.	7.178	12.	1.5	8.147	2.854	1.5	6.	8.55	12.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	7	220.	227.143	270.	210.	423.81	20.587	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	7	2.	3.714	8.5	1.	10.321	3.213	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	16	9.95	10.331	15.2	8.1	3.026	1.74	8.31	9.4	11.	13.66
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	16	0.95	1.228	2.8	0.25	0.561	0.749	0.425	0.825	1.65	2.59
00400	PH (STANDARD UNITS)	01/21/53-10/18/65	9	7.8	7.867	8.1	7.6	0.028	0.166	7.6	7.75	8.	8.1
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-10/18/65	9	7.8	7.838	8.1	7.6	0.028	0.169	7.6	7.75	8.	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-10/18/65	9	0.016	0.015	0.025	0.008	0.	0.006	0.008	0.01	0.018	0.025
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	7	7.8	7.786	8.1	7.6	0.025	0.157	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	7	7.8	7.764	8.1	7.6	0.025	0.159	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	7	0.016	0.017	0.025	0.008	0.	0.005	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	11	2.	2.073	4.	0.8	1.138	1.067	0.84	1.	2.	4.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	3	3.	3.	4.	2.	1.	1.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	7	0.31	0.361	0.54	0.16	0.023	0.15	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	7	0.09	0.091	0.16	0.04	0.001	0.038	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	9	0.56	0.83	2.3	0.25	0.58	0.762	0.25	0.37	1.31	2.3
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	7	0.5	0.489	0.55	0.4	0.003	0.059	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	9	0.03	0.052	0.12	0.021	0.002	0.04	0.021	0.026	0.095	0.12
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	9	1300.	1332.222	2400.	200.	496344.444	704.517	200.	945.	1900.	2400.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-10/18/65	9	3.114	3.046	3.38	2.301	0.102	0.32	2.301	2.97	3.263	3.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1112.266								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/19/83	3	110.	173.333	330.	80.	18633.333	136.504	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/19/83	3	2.041	2.154	2.519	1.903	0.104	0.323	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			142.67								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	9	4.	3.778	9.	0.	7.757	2.785	0.	1.25	5.25	9.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	7	38.	38.143	46.	32.	32.81	5.728	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-10/19/61	5	3460.	6716.	15500.	2720.	29579480.	5438.702	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	6	10.	10.283	19.	5.7	21.602	4.648	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	9	160.	161.111	210.	110.	1761.111	41.966	110.	120.	205.	210.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	9	2.	2.889	10.	1.	8.611	2.934	1.	1.	4.	10.
00300p	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	16	11.45	11.119	13.1	7.6	2.376	1.542	8.3	10.575	12.	12.96
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	16	1.75	2.044	4.	0.6	1.111	1.054	0.88	1.325	2.825	4.
00400	PH (STANDARD UNITS)	01/21/53-10/18/65	7	7.8	8.	8.8	7.6	0.16	0.4	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-10/18/65	7	7.8	7.888	8.8	7.6	0.175	0.418	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-10/18/65	7	0.016	0.013	0.025	0.002	0.	0.008	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	9	7.8	7.778	8.	7.5	0.034	0.186	7.5	7.6	7.95	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	9	7.8	7.742	8.	7.5	0.036	0.189	7.5	7.6	7.95	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	9	0.016	0.018	0.032	0.01	0.	0.008	0.01	0.011	0.025	0.032
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	14	4.	5.286	15.	1.	14.989	3.872	1.5	3.	7.	12.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	5	3.	2.28	4.	0.4	2.292	1.514	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	9	0.53	0.51	0.91	0.05	0.048	0.219	0.05	0.465	0.565	0.91
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	12	0.1	0.087	0.17	0.01	0.003	0.053	0.016	0.03	0.138	0.164
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	9	0.58	0.583	1.08	0.05	0.069	0.262	0.05	0.525	0.66	1.08
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	9	0.26	0.28	0.52	0.05	0.025	0.158	0.05	0.155	0.415	0.52
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	11	0.069	0.069	0.14	0.01	0.001	0.035	0.017	0.046	0.089	0.134
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	4	3.5	3.875	8.	0.5	11.063	3.326	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	7	2300.	2011.429	4900.	330.	2953414.286	1718.55	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-10/18/65	7	3.362	3.115	3.69	2.519	0.226	0.476	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1302.251								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/19/83	4	80.	170.	500.	20.	49800.	223.159	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/19/83	4	1.87	1.935	2.699	1.301	0.351	0.592	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			86.117								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/80-09/15/94	27	22.	20.167	26.5	6.	26.904	5.187	10.6	18.	24.	24.8
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	31	70.	67.194	82.	41.	97.961	9.898	52.2	62.	75.	77.
00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-10/19/61	21	7330.	7370.	17900.	1700.	20516250.	4529.487	2686.	3170.	11450.	13760.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	31	12.	13.548	30.	5.	28.123	5.303	8.2	10.	15.	20.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/28/80-09/15/94	27	160.	169.63	580.	100.	7496.011	86.58	118.	130.	180.	190.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/28/80-09/15/94	27	4.	4.463	8.	1.	3.518	1.876	2.	3.	5.5	7.
00300p	OXYGEN, DISSOLVED MG/L	01/21/53-09/15/94	58	7.6	7.848	11.7	4.8	2.904	1.704	5.59	6.775	8.95	10.35
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-09/15/94	58	2.4	2.798	7.	0.7	1.771	1.331	1.3	1.875	3.8	4.52
00400	PH (STANDARD UNITS)	01/21/53-10/18/65	31	7.8	7.723	8.5	7.1	0.152	0.39	7.2	7.3	8.	8.28
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-10/18/65	31	7.8	7.565	8.5	7.1	0.178	0.422	7.2	7.3	8.	8.28

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

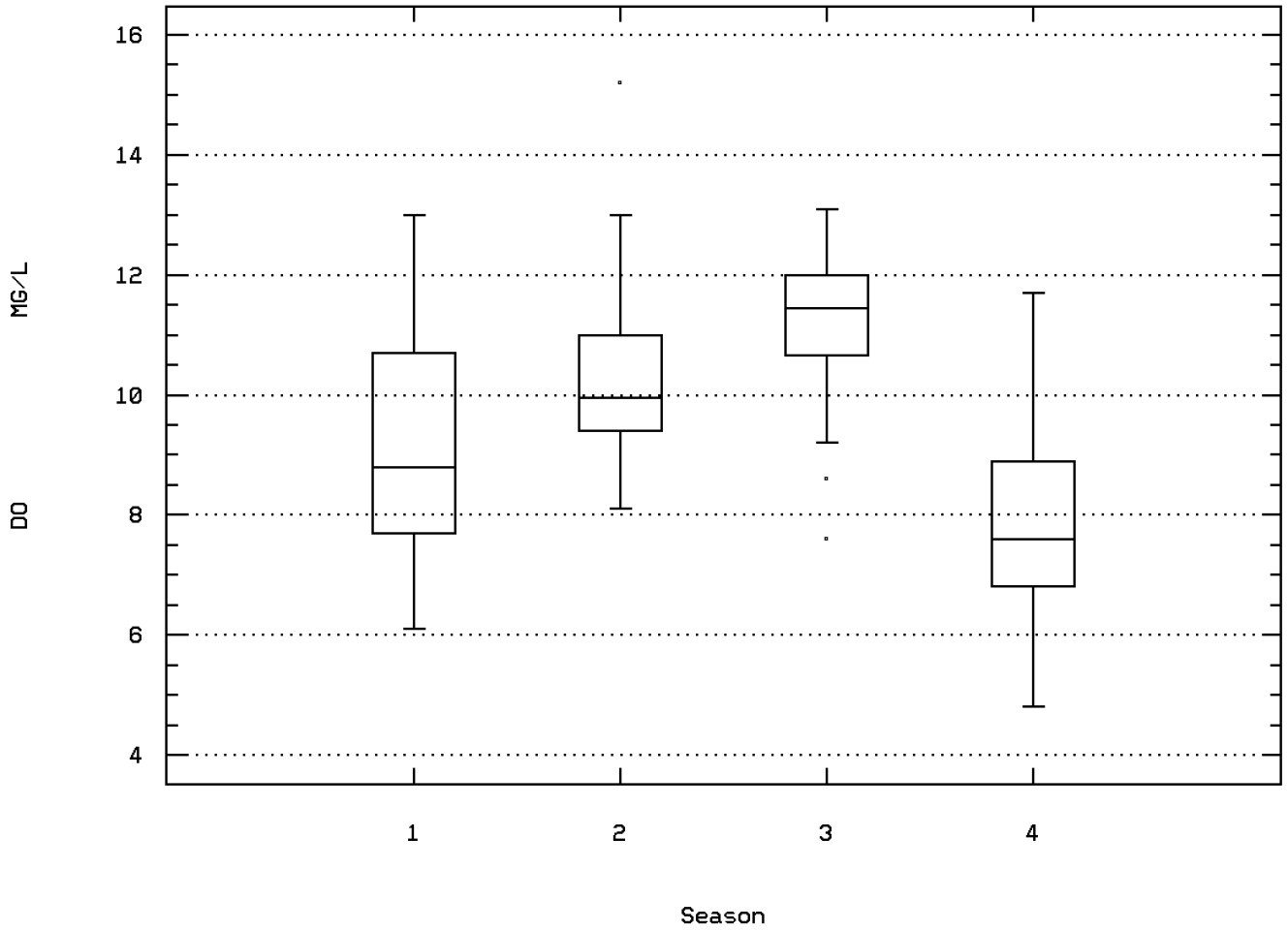
Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-10/18/65	31	0.016	0.027	0.079	0.003	0.001	0.023	0.005	0.01	0.05	0.063
00403	PH, LAB, STANDARD UNITS SU	10/28/80-09/15/94	27	7.8	7.915	8.8	7.5	0.108	0.329	7.6	7.7	8.	8.54
00403	CONVERTED PH, LAB, STANDARD UNITS	10/28/80-09/15/94	27	7.8	7.826	8.8	7.5	0.117	0.341	7.6	7.7	8.	8.54
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/80-09/15/94	27	0.016	0.015	0.032	0.002	0.	0.008	0.003	0.01	0.02	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-09/15/94	46	11.	12.652	30.	3.	37.743	6.144	5.7	8.	17.	21.3
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	19	6.	5.895	9.	2.	3.211	1.792	3.	5.	7.	8.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/28/80-09/15/94	27	0.84	0.865	1.56	0.47	0.062	0.248	0.602	0.7	0.93	1.286
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	40 ##	0.08	0.073	0.2	0.01	0.002	0.049	0.01	0.023	0.1	0.12
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/58-09/15/94	30	0.93	1.046	4.6	0.53	0.516	0.718	0.626	0.735	1.083	1.418
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/80-09/15/94	26	0.1	0.099	0.22	0.005	0.004	0.06	0.024	0.048	0.153	0.186
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/58-09/15/94	38	0.076	0.107	0.3	0.032	0.004	0.067	0.049	0.06	0.14	0.227
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	14	2.	2.268	5.	0.25	2.254	1.501	0.375	1.	3.25	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	29	790.	1908.276	22000.	100.	16635564.778	4078.672	130.	330.	1700.	4600.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-10/18/65	29	2.898	2.891	4.342	2.	0.299	0.546	2.114	2.519	3.23	3.663
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			778.463								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/19/83	19	50.	72.105	200.	10.	2784.211	52.766	10.	20.	100.	170.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/05/63-10/19/83	19	1.699	1.712	2.301	1.	0.167	0.409	1.	1.301	2.	2.23
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			51.545								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0385 Parameter Code: 00300

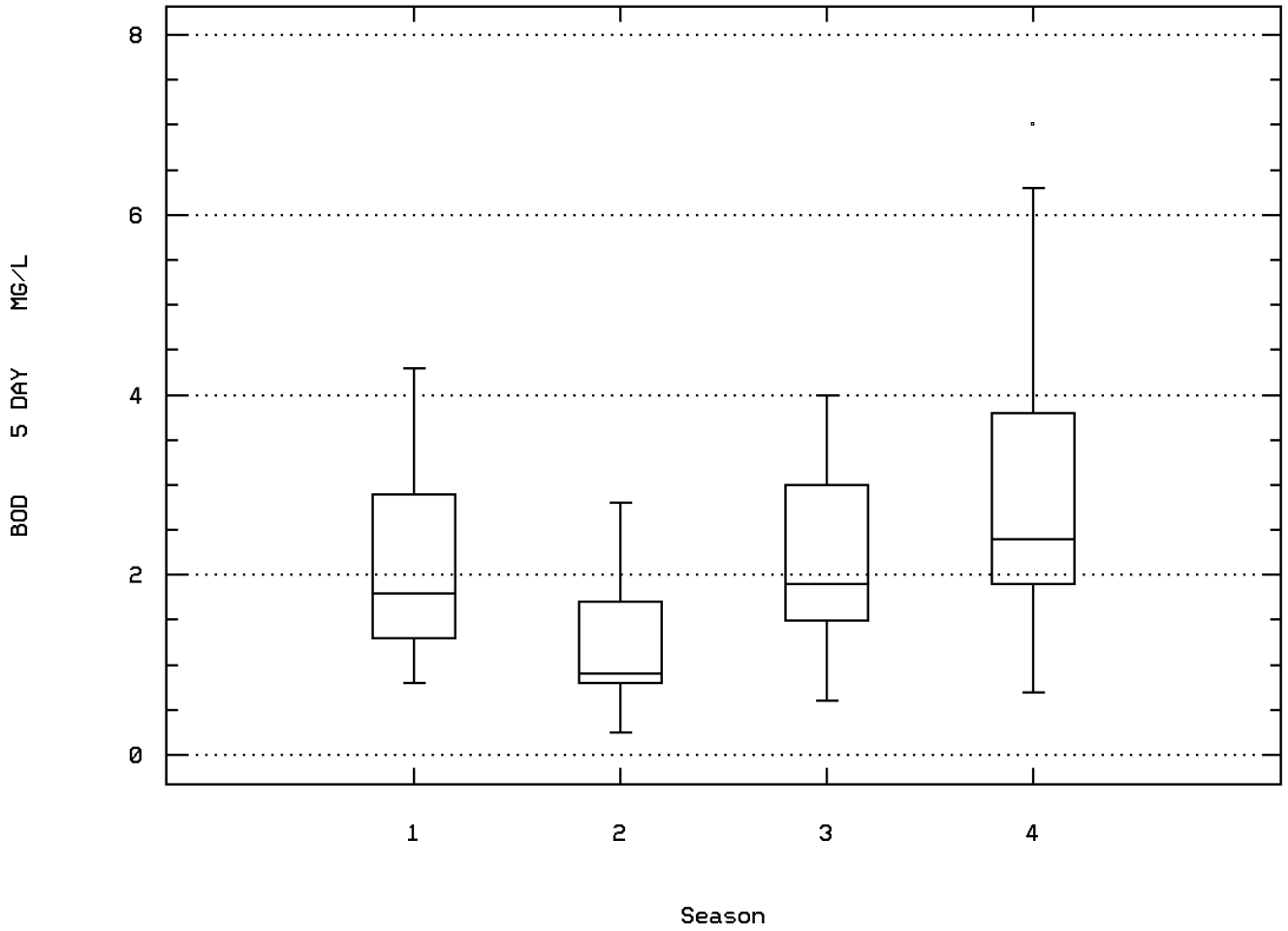
OXYGEN, DISSOLVED



ST. CROIX R DNSTRM OF MN-212 BR IN STIL

Station: SACN0385 Parameter Code: 00310

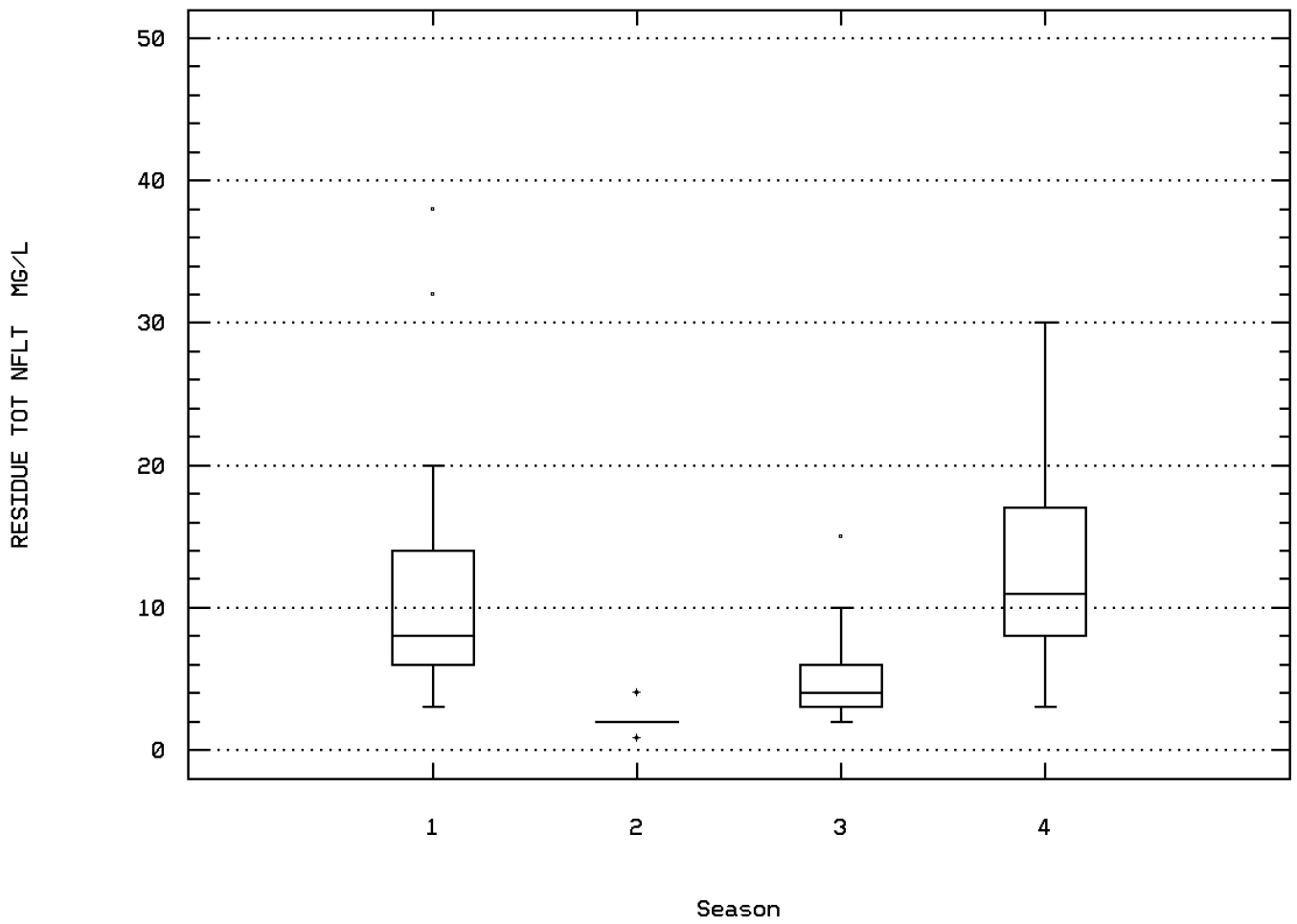
BOD, 5 DAY, 20 DEG C



ST. CROIX R DNSTRM OF MN-212 BR IN STIL

Station: SACN0385 Parameter Code: 00530

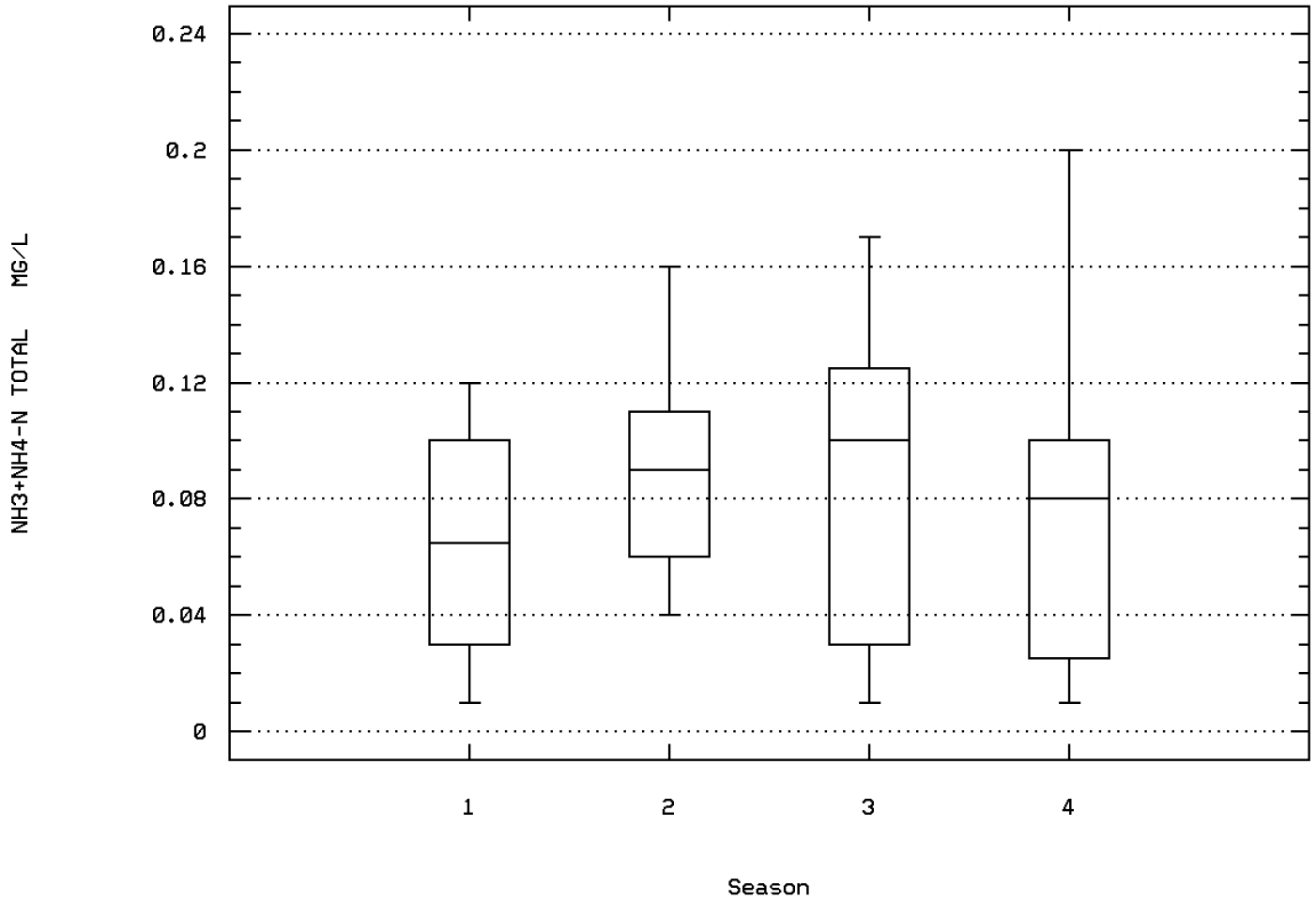
RESIDUE, TOTAL NONFILTRABLE (MG/L)



ST. CROIX R DNSTRM OF MN-212 BR IN STIL

Station: SACN0385 Parameter Code: 00610

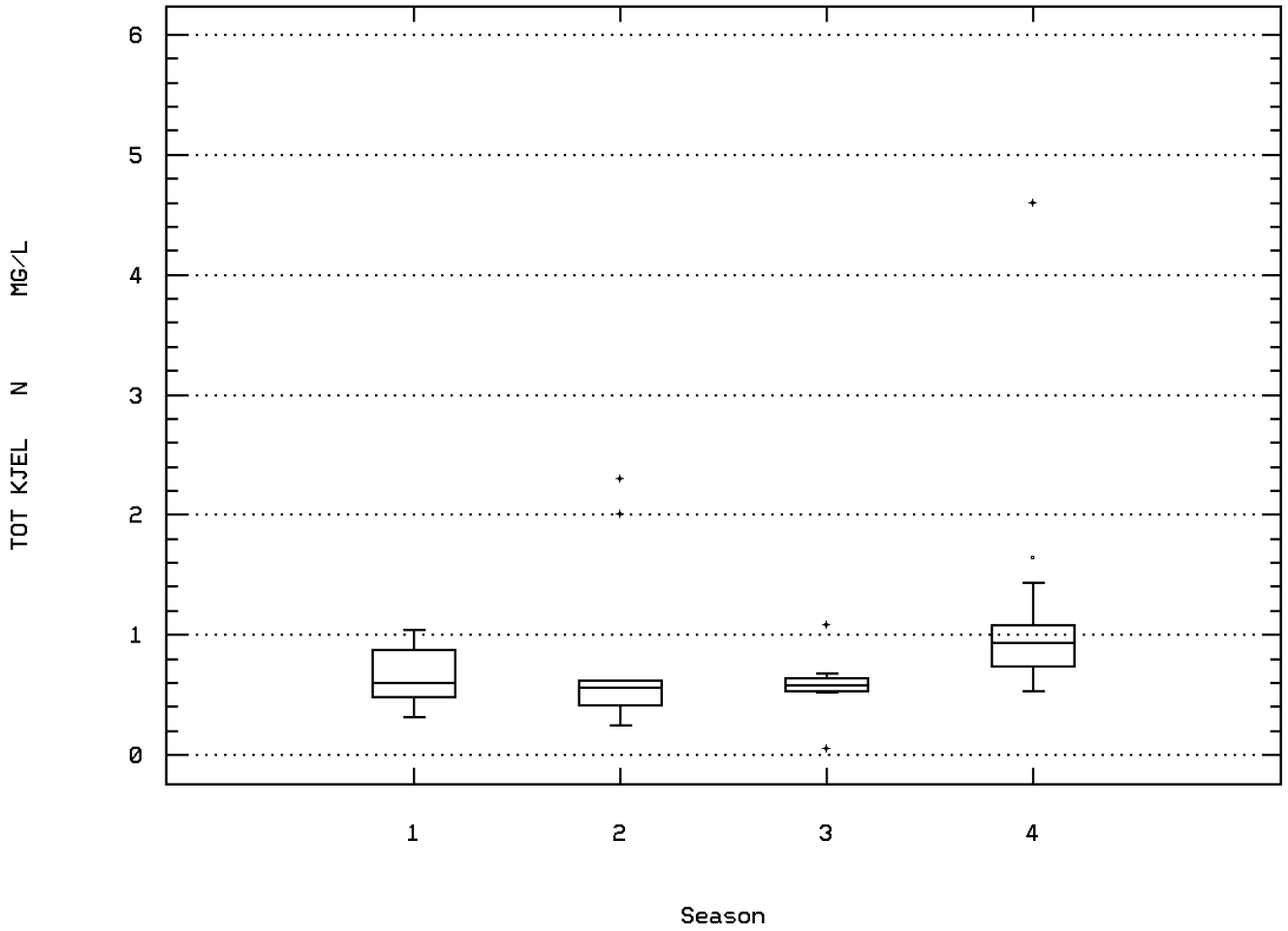
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



ST. CROIX R DNSTRM OF MN-212 BR IN STIL

Station: SACN0385 Parameter Code: 00625

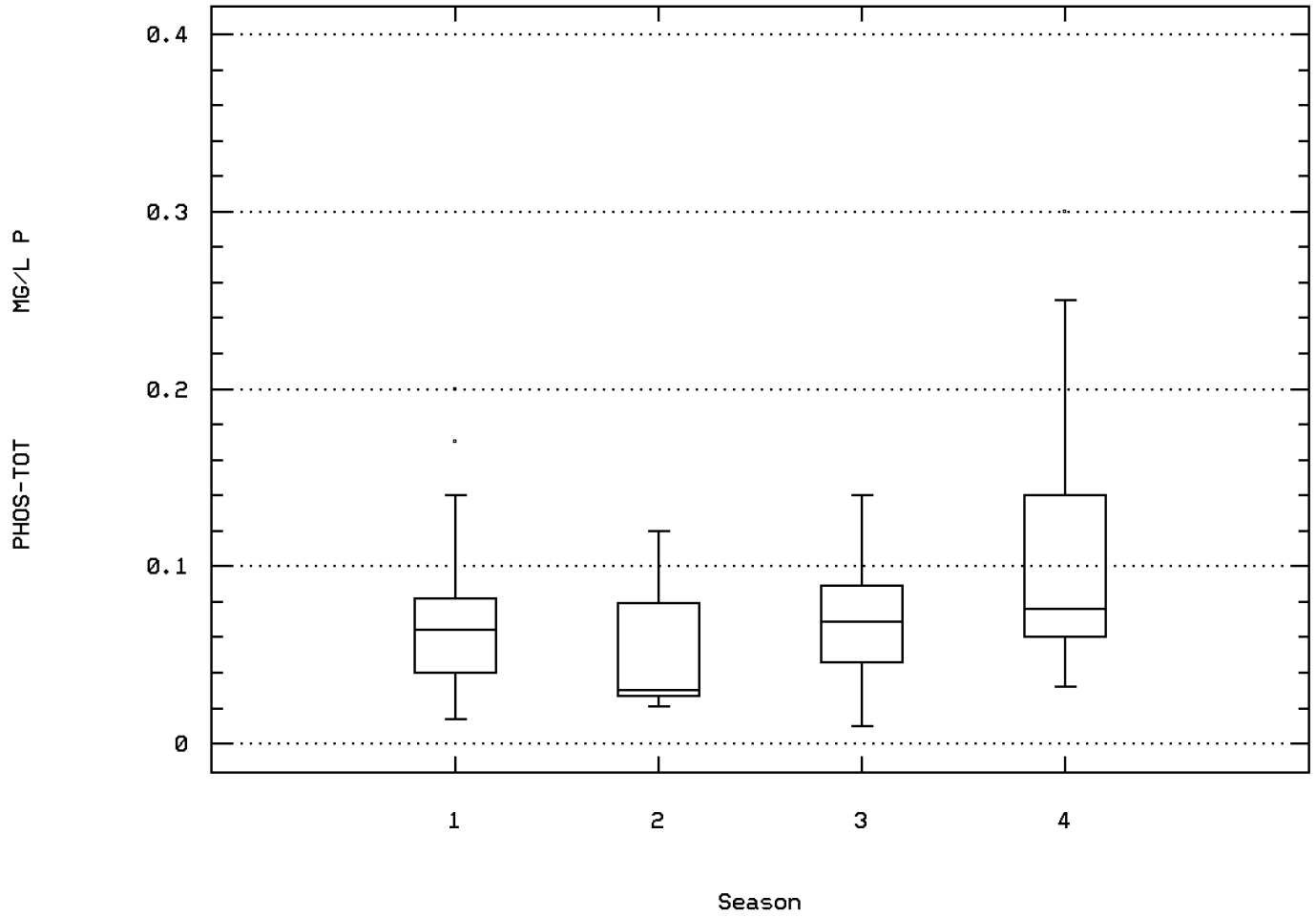
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



ST. CROIX R DNSTRM OF MN-212 BR IN STIL

Station: SACN0385 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)



ST. CROIX R DNSTRM OF MN-212 BR IN STIL

Station Inventory for Station: SACN0386

NPS Station ID: SACN0386
LAT/LON: 45.056948/ -92.801949
Agency: 1115T030
Date Created: / /
Location: SC 23.3
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 260106
RMI-Indexes: 1021500 015940
Within Park Boundary: Yes
RMI-Miles: 1765.10 0023.30
HUC: 07030005
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005007
RF1 Mile Point: 5.870
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005000310.21
RF3 Mile Point: 12.78
Distance from RF3: 0.05
On/Off RF3:
Description:
ST. CROIX RIVER, TRIBUTARY TO UPPER MISSISSIPPI RIVER,STILLWATER INTERSTATE BRIDGE.
PURPOSE-SAMPLED IN SUPPORT OF TWIN CITY UPPER MISSISSIPPI ENFORCEMENT AND RIVER MODELING VERIFICATION
TYPE OF SAMPLING-GRAB

Parameter Inventory for Station: SACN0386

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/64-09/16/65	92	18.4	17.795	29.	4.	20.013	4.474	14.07	17.8	19.	21.42
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/21/64-09/15/65	7 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/08/64-09/16/65	82	8.6	8.522	10.2	5.6	0.889	0.943	7.46	8.	9.225	9.47
00304	BOD, 2 DAY, 20 DEG C MG/L	09/08/65-09/16/65	9	0.7	0.811	1.3	0.3	0.126	0.355	0.3	0.55	1.2	1.3
00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/64-09/16/65	16	2.	2.425	5.8	0.9	2.57	1.603	0.9	1.2	3.475	5.73
00400	PH (STANDARD UNITS)	09/09/65-09/15/65	4	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/09/65-09/15/65	4	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/65-09/15/65	4	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/08/65-09/16/65	9	25.	26.333	32.	21.	15.	3.873	21.	23.5	30.5	32.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/08/65-09/16/65	9	13.	11.556	18.	4.	29.778	5.457	4.	5.5	16.5	18.
00600	NITROGEN, TOTAL (MG/L AS N)	07/08/64-07/23/64	2	1.705	1.705	1.74	1.67	0.002	0.049	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/08/64-09/15/65	24	0.755	0.854	1.74	0.05	0.261	0.511	0.18	0.488	1.283	1.63
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/64-09/16/65	29	0.15	0.264	2.38	0.01	0.196	0.443	0.03	0.08	0.255	0.53
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/64-09/15/65	24	0.15	0.204	1.1	0.	0.054	0.233	0.02	0.043	0.278	0.475
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/09/65-09/15/65	10	0.24	0.334	0.95	0.13	0.066	0.256	0.132	0.158	0.502	0.906
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/08/64-09/15/65	20	0.055	0.085	0.42	0.	0.012	0.107	0.	0.	0.108	0.263
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/10/64-09/16/65	27	348.	681.333	2400.	130.	380328.	616.707	163.6	240.	920.	1726.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/10/64-09/16/65	27	2.542	2.678	3.38	2.114	0.138	0.371	2.211	2.38	2.964	3.237
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			476.22								
31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	08/10/64-09/16/65	17	70.	137.	542.	5.	25028.125	158.203	5.8	36.	175.	500.4
31617	LOG FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 316	08/10/64-09/16/65	17	1.845	1.835	2.734	0.699	0.362	0.602	0.762	1.521	2.228	2.699
31617	GM FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 3161	GEOMETRIC MEAN =			68.372								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/24/64-08/24/64	7	29.	29.143	60.	11.	275.81	16.608	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/24/64-08/24/64	7	1.462	1.404	1.778	1.041	0.063	0.251	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			25.352								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0386

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	7	0	0.00	7	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	82	0	0.00	75	0	0.00							7	0	0.00
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	24	0	0.00	18	0	0.00							6	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	27	6	0.22	23	6	0.26							4	0	0.00
31617	FECAL COLIFORM, MPN, EIJKMAN TEST, 44.5C	Other-Hi Lim.	200.	17	4	0.24	13	4	0.31							4	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0387

NPS Station ID: SACN0387 LAT/LON: 44.745892/ -92.802309 Agency: 21WITIS Date Created: 09/24/88
Location: MISSISSIPPI RIVER 030 PRESCOTT FIPS State/County: 55093 WISCONSIN/PIERCE
Station Type: /TYPA/AMBNT/STREAM/TISSUE STORET Station ID(s): 485003 /6300MA485003
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 07040001 Depth of Water: 0 Aquifer:
Major Basin: WESTERN GREAT LAKES Elevation: 55 Water Body Id:
Minor Basin: LAKE MICHIGAN WESTERN SHORE ECO Region:
RF1 Index: 07040001 RF1 Mile Point: 0.000 Distance from RF1: 9.10 On/Off RF1:
RF3 Index: 07040001000401.75 RF3 Mile Point: 2.25 Distance from RF3: 0.50 On/Off RF3:
Description:
STATION FOR LEE LIEBENSTEIN OF BUR WATER RES MGT (608)266-0164 FISH TOXICS MONITORING
LEE LIEBENSTEIN (608) 266-0164 BUREAU WATER RES MAN

Parameter Inventory for Station: SACN0387

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	06/03/82-05/26/89	13	3.4	3.115	6.9	0.44	3.983	1.996	0.74	1.31	4.225	6.644
00024	SAMPLE LENGTH IN INCHES	06/03/82-05/26/89	13	20.	18.362	22.6	10.8	14.418	3.797	11.76	15.25	21.3	22.36
34690	PCB - 1254 WET WGTTISMG/KG	05/23/89-05/26/89	6	0.44	1.158	3.5	0.22	1.828	1.352	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	06/03/82-05/26/89	6	5.1	4.878	10.	0.1	17.622	4.198	**	**	**	**
78926	FAT, PERCENT, IN TISSUE, WET WEIGHT %	06/03/82-05/26/89	13	4.1	6.462	17.2	0.5	35.238	5.936	0.66	1.6	11.	17.12
78928	PCB 1248/1254, TISSUE, WET WEIGHT MG/KG	05/24/89-05/24/89	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/23/89-05/26/89	8	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0388

NPS Station ID: SACN0388
LAT/LON: 45.056115/ -92.803059
Agency: 112WRD
Date Created: / /
Location: ST. CROIX RIVER AT STILLWATER, MN
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05341550
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005007
RF1 Mile Point: 5.770
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07010206000114.34
RF3 Mile Point: 15.78
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0388

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/74-09/08/81	53	6.5	9.458	25.	0.	89.391	9.455	0.	0.	20.	23.18
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/21/75-02/04/80	32	14.	4.772	24.8	-20.	180.472	13.434	2.	-0.55	23.5	-17.76
00060	FLOW, STREAM, MEAN DAILY CFS	10/05/76-09/08/81	29	2760.	4387.586	17800.	1540.	13885218.966	3726.288	1800.	2255.	4940.	11400.
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/13/74-09/15/76	24	2700.	4151.458	21200.	855.	23919246.694	4890.731	1120.	1735.	3630.	13500.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/13/74-12/08/76	27	4.	5.333	18.	2.	13.538	3.679	2.	3.	6.	11.2
00080	COLOR (PLATINUM-COBALT UNITS)	11/13/74-01/31/79	29	30.	33.207	150.	5.	797.884	28.247	8.	17.5	41.5	65.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/13/74-09/08/81	53	200.	196.906	410.	95.	2840.818	53.299	133.4	165.5	213.5	234.
00300	OXYGEN, DISSOLVED MG/L	11/13/74-09/08/81	50	9.9	9.818	13.5	6.5	2.813	1.677	7.73	8.4	11.125	11.97
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/13/74-09/08/81	50	88.5	86.568	121.	52.	263.674	16.238	62.	76.85	98.	103.
00310	BOD, 5 DAY, 20 DEG C MG/L	11/13/74-12/08/76	22	1.45	1.736	4.4	0.9	0.756	0.869	0.93	1.175	2.125	2.97
00400	PH (STANDARD UNITS)	11/13/74-09/08/81	53	7.7	7.721	8.6	6.9	0.162	0.402	7.14	7.5	8.	8.3
00400	CONVERTED PH (STANDARD UNITS)	11/13/74-09/08/81	53	7.7	7.545	8.6	6.9	0.193	0.44	7.14	7.5	8.	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/13/74-09/08/81	53	0.02	0.029	0.126	0.003	0.001	0.028	0.005	0.01	0.032	0.073
00405	CARBON DIOXIDE (MG/L AS CO2)	11/13/74-01/31/79	28	3.55	4.371	20.	0.5	18.565	4.309	0.79	1.375	4.875	9.85
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/13/74-01/31/79	29	98.	91.931	120.	39.	352.495	18.775	53.	88.5	103.	108.
00440	BICARBONATE ION (MG/L AS HCO3)	11/13/74-01/31/79	28	119.	111.679	142.	48.	520.226	22.808	63.9	107.	125.75	130.2
00445	CARBONATE ION (MG/L AS CO3)	01/21/75-01/31/79	24	0.	0.083	2.	0.	0.167	0.408	0.	0.	0.	0.
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	11/13/74-09/15/76	3	0.	3.333	10.	0.	33.333	5.774	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	11/13/74-12/08/76	27	1.	1.182	4.3	0.13	0.748	0.865	0.518	0.68	1.3	2.18
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/13/74-12/08/76	26	0.615	0.857	4.2	0.	0.767	0.876	0.218	0.435	0.962	1.85
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/13/74-12/08/76	26	0.035	0.053	0.23	0.005	0.003	0.055	0.005	0.005	0.08	0.133
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/13/74-12/08/76	25	0.08	0.07	0.23	0.005	0.004	0.062	0.005	0.01	0.1	0.17
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/13/74-12/08/76	26	0.009	0.008	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/13/74-12/08/76	27	0.19	0.249	0.55	0.01	0.032	0.179	0.018	0.13	0.43	0.508
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/13/74-12/08/76	27	0.7	0.913	4.3	0.05	0.756	0.869	0.242	0.49	1.1	1.86
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/13/74-12/08/76	27	0.21	0.271	0.64	0.01	0.036	0.189	0.02	0.14	0.43	0.522
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/13/74-12/08/76	27	0.2	0.256	0.6	0.01	0.033	0.181	0.02	0.1	0.4	0.5
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/13/74-12/08/76	27	0.02	0.032	0.21	0.005	0.002	0.04	0.005	0.01	0.04	0.06
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/13/74-09/08/81	27	0.	0.371	10.	0.	3.703	1.924	0.	0.	0.	0.006
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/13/74-01/31/79	29	100.	98.483	130.	45.	371.187	19.266	59.	96.5	110.	110.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/13/74-01/31/79	29	6.	7.414	24.	0.	32.894	5.735	0.	4.	10.	16.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/13/74-01/31/79	29	26.	25.276	33.	12.	24.707	4.971	15.	24.5	28.5	30.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/13/74-01/31/79	29	8.9	8.566	12.	3.7	2.968	1.723	5.2	8.15	9.7	10.
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/13/74-01/31/79	29	3.6	3.569	5.2	1.3	0.604	0.777	2.3	3.2	3.95	4.6
00931	SODIUM ADSORPTION RATIO	11/13/74-01/31/79	29	0.2	0.169	0.2	0.1	0.002	0.047	0.1	0.1	0.2	0.2
00932	SODIUM, PERCENT	11/13/74-01/31/79	29	7.	7.276	10.	5.	1.207	1.099	6.	7.	7.5	9.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/13/74-01/31/79	29	1.2	1.276	1.9	0.9	0.085	0.292	0.9	1.05	1.5	1.8
00940	CHLORIDE,TOTAL IN WATER MG/L	11/13/74-01/31/79	29	4.	3.586	5.	2.	0.537	0.733	3.	3.	4.	4.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0388

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/13/74-01/31/79	29	6.	6.69	12.	4.	3.436	1.854	5.	5.	7.5	10.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/13/74-09/16/80	44	0.1	0.106	0.2	0.05	0.001	0.033	0.1	0.1	0.1	0.15
00951	FLUORIDE, TOTAL (MG/L AS F)	11/13/74-09/08/81	26	0.1	0.194	0.7	0.	0.042	0.204	0.	0.1	0.2	0.56
01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/01/77-09/16/80	17	1.	0.941	2.	0.5	0.121	0.348	0.5	0.75	1.	1.2
01001	ARSENIC, SUSPENDED (UG/L AS AS)	02/01/77-08/07/78	10 ##	0.5	0.7	2.	0.5	0.233	0.483	0.5	0.5	0.625	1.9
01002	ARSENIC, TOTAL (UG/L AS AS)	11/13/74-09/08/81	27	1.	1.241	4.	0.	0.969	0.984	0.4	1.	1.	3.2
01005	BARIUM, DISSOLVED (UG/L AS BA)	02/01/77-09/16/80	17 ##	50.	54.118	200.	0.	1575.735	39.696	24.	50.	50.	80.
01006	BARIUM, SUSPENDED (UG/L AS BA)	02/01/77-08/06/79	16	0.	16.563	100.	0.	1182.396	34.386	0.	0.	22.5	100.
01007	BARIUM, TOTAL (UG/L AS BA)	11/13/74-09/08/81	26 ##	50.	65.385	300.	0.	2903.846	53.887	25.	50.	62.5	100.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/16/80-09/16/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	11/13/74-09/08/81	10	5.	5.5	20.	0.	41.389	6.433	0.	0.	10.	19.
01020	BORON, DISSOLVED (UG/L AS B)	11/13/74-09/16/80	20	40.	51.9	190.	8.	1815.358	42.607	10.	30.	77.5	107.
01021	BORON, SUSPENDED (UG/L AS B)	11/13/74-08/06/79	19	10.	93.684	1500.	0.	116446.784	341.243	0.	0.	40.	70.
01022	BORON, TOTAL (UG/L AS B)	11/13/74-09/08/81	27	50.	111.407	1500.	8.	78567.328	280.299	10.	40.	80.	158.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/01/77-09/16/80	17 ##	1.	1.765	11.	0.	7.566	2.751	0.	0.	3.	5.4
01026	CADMIUM, SUSPENDED (UG/L AS CD)	02/01/77-08/06/79	16	4.	3.5	11.	0.	13.233	3.638	0.	0.	5.75	9.6
01027	CADMIUM, TOTAL (UG/L AS CD)	11/13/74-09/08/81	27	3.	4.981	20.	0.	27.317	5.227	0.	0.5	10.	10.2
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/01/77-09/16/80	17 ##	1.	2.824	10.	0.	16.279	4.035	0.	0.	5.5	10.
01031	CHROMIUM, SUSPEND (UG/L AS CR)	02/01/77-08/06/79	16	4.25	4.094	10.	0.	14.307	3.782	0.	0.	7.25	10.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/16/80-09/16/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/13/74-09/08/81	27 ##	10.	9.667	40.	0.	70.769	8.412	0.	3.	11.	20.
01035	COBALT, DISSOLVED (UG/L AS CO)	02/01/77-08/06/79	16 ##	0.	0.063	1.	0.	0.063	0.25	0.	0.	0.	0.3
01036	COBALT, SUSPENDED (UG/L AS CO)	02/01/77-08/06/79	16	0.	7.938	25.	0.	141.263	11.885	0.	0.	25.	25.
01037	COBALT, TOTAL (UG/L AS CO)	11/13/74-08/06/79	19 ##	1.	18.579	50.	0.	608.035	24.658	0.	0.	50.	50.
01040	COPPER, DISSOLVED (UG/L AS CU)	11/13/74-09/16/80	20	2.	3.05	21.	0.	21.629	4.651	0.	1.	3.75	6.9
01041	COPPER, SUSPENDED (UG/L AS CU)	11/13/74-08/06/79	19	4.5	4.184	18.	0.	19.895	4.46	0.	0.	5.	10.
01042	COPPER, TOTAL (UG/L AS CU)	11/13/74-09/08/81	27	5.	6.778	30.	0.	41.41	6.435	1.	2.	10.	12.
01044	IRON, SUSPENDED (UG/L AS FE)	08/04/77-08/06/79	13	470.	471.538	760.	160.	28314.103	168.268	224.	340.	620.	728.
01045	IRON, TOTAL (UG/L AS FE)	11/13/74-09/08/81	27	660.	727.037	1300.	370.	61337.037	247.663	446.	570.	900.	1120.
01046	IRON, DISSOLVED (UG/L AS FE)	11/13/74-09/16/80	20	310.	317.5	710.	5.	46101.316	214.712	10.5	107.5	487.5	673.
01049	LEAD, DISSOLVED (UG/L AS PB)	02/01/77-09/16/80	17	4.	12.353	41.	0.	211.118	14.53	0.8	1.5	26.	40.2
01050	LEAD, SUSPENDED (UG/L AS PB)	02/01/77-08/06/79	16	13.5	23.063	85.	0.	690.163	26.271	0.	0.5	48.	60.15
01051	LEAD, TOTAL (UG/L AS PB)	11/13/74-09/08/81	27	25.	46.111	200.	1.	2632.872	51.312	1.8	4.	100.	100.
01054	MANGANESE, SUSPENDED (UG/L AS MN)	11/13/74-08/06/79	19	40.	60.526	180.	0.	2927.485	54.106	0.	20.	100.	140.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/74-09/08/81	27	80.	85.37	220.	5.	2478.704	49.787	30.	40.	120.	144.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/13/74-09/16/80	20	30.	24.15	60.	3.	315.503	17.762	5.	5.	30.	58.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	11/13/74-09/08/81	27	1.	1.296	4.	0.	1.12	1.058	0.4	0.5	2.	3.
01065	NICKEL, DISSOLVED (UG/L AS NI)	02/01/77-09/16/80	17	2.	2.294	8.	0.	4.596	2.144	0.	1.	3.	6.4
01066	NICKEL, SUSPENDED (UG/L AS NI)	02/01/77-08/06/79	16	11.	12.656	25.	0.	104.624	10.229	0.	2.25	23.75	24.65
01067	NICKEL, TOTAL (UG/L AS NI)	11/13/74-09/08/81	27	6.	11.593	25.	0.	101.097	10.055	0.	3.	25.	25.
01075	SILVER, DISSOLVED (UG/L AS AG)	02/01/77-09/16/80	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01076	SILVER, SUSPENDED (UG/L AS AG)	02/01/77-08/06/79	15	0.	1.8	5.	0.	5.743	2.396	0.	0.	5.	5.
01077	SILVER, TOTAL (UG/L AS AG)	11/13/74-09/08/81	26 ##	0.	2.827	10.	0.	19.899	4.461	0.	0.	10.	10.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/13/74-09/15/76	3	60.	66.667	80.	60.	133.333	11.547	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	11/13/74-09/15/76	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	11/13/74-09/15/76	2	60.	60.	60.	60.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	10/22/75-09/15/76	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/13/74-09/16/80	20 ##	10.	10.7	40.	0.	85.589	9.251	0.	5.5	10.	20.
01091	ZINC, SUSPENDED (UG/L ZN)	11/13/74-08/06/79	19	10.	11.368	80.	0.	328.912	18.136	0.	0.	10.	26.
01092	ZINC, TOTAL (UG/L AS ZN)	11/13/74-09/08/81	27	20.	21.852	100.	0.	369.516	19.223	8.	10.	30.	42.
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/13/74-08/06/79	19	90.	115.789	250.	10.	5270.175	72.596	50.	50.	180.	230.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/13/74-08/06/79	19	20.	28.947	80.	10.	332.164	18.225	10.	20.	40.	50.
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	11/13/74-08/06/79	19	80.	92.895	230.	0.	5386.988	73.396	0.	30.	160.	200.
01132	LITHIUM, TOTAL (UG/L AS LI)	11/13/74-09/15/76	3 ##	5.	3.667	5.	1.	5.333	2.309	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/01/77-09/16/80	17 ##	0.5	0.471	0.5	0.	0.015	0.121	0.4	0.5	0.5	0.5
01146	SELENIUM, SUSPENDED (UG/L AS SE)	02/01/77-08/06/79	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01147	SELENIUM, TOTAL (UG/L AS SE)	11/13/74-09/08/81	27 ##	0.5	0.37	0.5	0.	0.05	0.223	0.	0.	0.5	0.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/74-12/08/76	22	16.	39.182	376.	0.	6119.37	78.226	0.5	11.	36.	83.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/74-12/08/76	22	1.204	1.183	2.575	-0.301	0.453	0.673	-0.301	1.035	1.556	1.893
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.256								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11/13/74-12/08/76	22	8.	84.523	1300.	0.	75280.13	274.372	0.	0.5	52.	140.8
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	11/13/74-12/08/76	22	0.903	0.97	3.114	-0.301	0.847	0.92	0.	-0.301	1.716	2.138
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			9.339								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0388

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/13/74-01/31/79	28	3.	3.821	10.	0.	10.893	3.3	0.	1.	6.	9.1
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	11/13/74-12/08/76	27	6.	12.852	61.	0.	277.67	16.663	0.	2.	14.	42.4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/13/74-01/31/79	29	132.	129.103	158.	79.	321.81	17.939	103.	123.5	140.5	146.
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/13/74-01/31/79	29	926.	1173.034	6010.	323.	1263619.606	1124.108	459.	600.	1215.	2540.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/13/74-01/31/79	29	0.18	0.176	0.21	0.11	0.001	0.025	0.14	0.17	0.19	0.2
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/13/74-12/08/76	26	0.045	0.066	0.3	0.	0.005	0.074	0.	0.	0.1	0.173
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/13/74-12/08/76	27	0.8	1.097	2.4	0.	0.619	0.787	0.08	0.6	1.9	2.24
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/13/74-12/08/76	26	0.03	0.017	0.03	0.	0.	0.015	0.	0.	0.03	0.03
71887	NITROGEN, TOTAL, AS NO3 - MG/L	11/13/74-12/08/76	27	4.5	5.215	19.	0.6	14.183	3.766	2.26	3.	5.5	9.44
71890	MERCURY, DISSOLVED (UG/L AS HG)	02/01/77-09/16/80	17 ##	0.25	0.215	0.25	0.05	0.006	0.079	0.05	0.25	0.25	0.25
71895	MERCURY, SUSPENDED (UG/L AS HG)	02/01/77-08/06/79	16	0.	0.05	0.5	0.	0.016	0.126	0.	0.	0.075	0.22
71900	MERCURY, TOTAL (UG/L AS HG)	11/13/74-09/08/81	27 ##	0.25	0.204	0.5	0.05	0.012	0.109	0.05	0.05	0.25	0.26

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0388

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	27	0	0.00	7	0	0.00	8	0	0.00	3	0	0.00	9	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	50	0	0.00	12	0	0.00	15	0	0.00	4	0	0.00	19	0	0.00
00400	PH	Other-Hi Lim.	9.	53	0	0.00	13	0	0.00	16	0	0.00	4	0	0.00	20	0	0.00
		Other-Lo Lim.	6.5	53	0	0.00	13	0	0.00	16	0	0.00	4	0	0.00	20	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	26	0	0.00	7	0	0.00	8	0	0.00	3	0	0.00	8	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	27	0	0.00	7	0	0.00	8	0	0.00	3	0	0.00	9	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	27	0	0.00	7	0	0.00	8	0	0.00	3	0	0.00	9	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	27	0	0.00	7	0	0.00	8	0	0.00	3	0	0.00	9	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	27	1	0.04	8	0	0.00	7	0	0.00	1	1	1.00	11	0	0.00
		Drinking Water	0.2	27	1	0.04	8	0	0.00	7	0	0.00	1	1	1.00	11	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	29	0	0.00	7	0	0.00	10	0	0.00	3	0	0.00	9	0	0.00
		Drinking Water	250.	29	0	0.00	7	0	0.00	10	0	0.00	3	0	0.00	9	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	29	0	0.00	7	0	0.00	10	0	0.00	3	0	0.00	9	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	44	0	0.00	10	0	0.00	13	0	0.00	4	0	0.00	17	0	0.00
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	26	0	0.00	7	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	50.	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	10	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00	5	0	0.00
		Drinking Water	50.	10	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00	5	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
		Drinking Water	50.	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	16	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	26	0	0.00	7	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	1	0	0.00	1	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	10	0	0.00	5	0	0.00	2	0	0.00				3	0	0.00
		Drinking Water	4.	7 &	3	0.43	2	1	0.50	2	1	0.50				3	1	0.33
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	17	2	0.12	3	0	0.00	5	1	0.20	1	0	0.00	8	1	0.13
		Drinking Water	5.	17	1	0.06	3	0	0.00	5	0	0.00	1	0	0.00	8	1	0.13
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	12 &	4	0.33	1	1	1.00	4	0	0.00				7	3	0.43
		Drinking Water	5.	13 &	4	0.31	1	1	1.00	4	0	0.00	1	0	0.00	7	3	0.43
01027	CADMIUM, TOTAL	Fresh Acute	3.9	20 &	5	0.25	5	1	0.20	6	1	0.17				9	3	0.33
		Drinking Water	5.	20 &	4	0.20	5	1	0.20	6	0	0.00				9	3	0.33
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	16	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	20	1	0.05	6	1	0.17	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	1300.	20	0	0.00	6	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0388

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01041	COPPER, SUSPENDED	Fresh Acute	18.	19	1	0.05	5	0	0.00	5	0	0.00	1	0	0.00	8	1	0.13
		Drinking Water	1300.	19	0	0.00	5	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	27	2	0.07	8	1	0.13	7	0	0.00	1	0	0.00	11	1	0.09
		Drinking Water	1300.	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	15.	17	6	0.35	3	0	0.00	5	2	0.40	1	0	0.00	8	4	0.50
01050	LEAD, SUSPENDED	Fresh Acute	82.	16	1	0.06	2	1	0.50	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	15.	11 &	3	0.27	1	1	1.00	4	0	0.00				6	2	0.33
01051	LEAD, TOTAL	Fresh Acute	82.	20 &	2	0.10	5	2	0.40	6	0	0.00				9	0	0.00
		Drinking Water	15.	20 &	8	0.40	5	2	0.40	6	3	0.50				9	3	0.33
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	100.	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	16	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	100.	16	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
		Drinking Water	100.	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	100.	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	10 &	0	0.00	1	0	0.00	4	0	0.00				5	0	0.00
		Drinking Water	100.	15	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00	7	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	19 &	0	0.00	5	0	0.00	6	0	0.00				8	0	0.00
		Drinking Water	100.	26	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	10	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	20	0	0.00	6	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	5000.	20	0	0.00	6	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01091	ZINC, SUSPENDED	Fresh Acute	120.	19	0	0.00	5	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	5000.	19	0	0.00	5	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
		Drinking Water	5000.	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	50.	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	16	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	50.	16	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
		Drinking Water	50.	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	22	1	0.05	4	0	0.00	7	0	0.00	3	0	0.00	8	1	0.13
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	27	0	0.00	7	0	0.00	8	0	0.00	3	0	0.00	9	0	0.00
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	26	0	0.00	7	0	0.00	8	0	0.00	3	0	0.00	8	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	2.	17	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	16	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	2.	16	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00
		Drinking Water	2.	27	0	0.00	8	0	0.00	7	0	0.00	1	0	0.00	11	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0388

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/74-09/08/81	13	8.	9.462	20.	1.	43.561	6.6	1.	3.25	16.25	18.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/13/74-09/08/81	13	200.	204.462	350.	150.	2554.603	50.543	153.2	165.	217.5	300.
00300	OXYGEN, DISSOLVED MG/L	11/13/74-09/08/81	12	10.45	10.325	13.5	7.	4.162	2.04	7.36	8.325	11.7	13.41
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/13/74-09/08/81	12	91.	90.667	103.	72.	64.061	8.004	75.9	86.5	96.75	101.5
00400	PH (STANDARD UNITS)	11/13/74-09/08/81	13	7.9	7.862	8.4	7.1	0.128	0.357	7.26	7.6	8.1	8.36
00400	CONVERTED PH (STANDARD UNITS)	11/13/74-09/08/81	13	7.9	7.711	8.4	7.1	0.152	0.39	7.26	7.6	8.1	8.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/13/74-09/08/81	13	0.013	0.019	0.079	0.004	0.	0.02	0.004	0.008	0.026	0.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0388

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/74-09/08/81	16	0.	0.031	0.5	0.	0.016	0.125	0.	0.	0.	0.15
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/13/74-09/08/81	16	213.5	228.313	410.	161.	3267.296	57.16	181.3	198.75	235.	333.
00300	OXYGEN, DISSOLVED MG/L	11/13/74-09/08/81	15	9.	9.653	11.4	7.5	2.098	1.449	7.62	8.4	11.1	11.4
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/13/74-09/08/81	15	63.	67.867	80.	52.	101.981	10.099	53.2	59.	78.	79.4
00400	PH (STANDARD UNITS)	11/13/74-09/08/81	16	7.6	7.512	7.9	7.	0.065	0.255	7.14	7.3	7.675	7.9
00400	CONVERTED PH (STANDARD UNITS)	11/13/74-09/08/81	16	7.6	7.441	7.9	7.	0.071	0.266	7.14	7.3	7.675	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/13/74-09/08/81	16	0.025	0.036	0.1	0.013	0.001	0.023	0.013	0.021	0.05	0.074

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0388

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/74-09/08/81	4	0.5	1.125	3.5	0.	2.729	1.652	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/13/74-09/08/81	4	215.	208.5	224.	180.	395.667	19.891	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/13/74-09/08/81	4	11.8	11.425	12.2	9.9	1.096	1.047	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/13/74-09/08/81	4	84.5	83.25	94.	70.	102.25	10.112	**	**	**	**
00400	PH (STANDARD UNITS)	11/13/74-09/08/81	4	7.65	7.7	8.	7.5	0.047	0.216	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/13/74-09/08/81	4	7.647	7.664	8.	7.5	0.048	0.22	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/13/74-09/08/81	4	0.023	0.022	0.032	0.01	0.	0.009	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0388

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/74-09/08/81	20	21.	18.665	25.	5.	38.013	6.165	7.05	12.75	23.225	24.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/13/74-09/08/81	20	170.	164.55	210.	95.	1519.524	38.981	102.3	130.25	200.	209.1
00300	OXYGEN, DISSOLVED MG/L	11/13/74-09/08/81	19	9.6	9.289	12.8	6.5	2.238	1.496	7.1	8.2	10.2	11.2
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/13/74-09/08/81	19	98.	99.442	121.	76.4	102.225	10.111	84.	94.	103.	117.
00400	PH (STANDARD UNITS)	11/13/74-09/08/81	20	7.9	7.8	8.6	6.9	0.246	0.496	7.	7.5	8.1	8.49
00400	CONVERTED PH (STANDARD UNITS)	11/13/74-09/08/81	20	7.9	7.528	8.6	6.9	0.324	0.569	7.	7.5	8.1	8.49
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/13/74-09/08/81	20	0.013	0.03	0.126	0.003	0.001	0.036	0.003	0.008	0.032	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0389

NPS Station ID: SACN0389
LAT/LON: 44.748337/ -92.803337
Agency: 21MNMWCC
Date Created: 01/22/94
Location: St Croix R US Hwy 10 bridge Prescott WI
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): MWCC052 /SC0.3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: ST CROIX R
ECO Region:
RF1 Index: 07030005001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
St. Croix River samples are collected from the US Hwy 10 bridge in Prescott WI or by boat during open water season. Samples are collected by Metropolitan Waste Control Commission staff to monitor the WQ of the St. Croix before it enters the Mississippi River. Samples are collected weekly except November thru February when

Parameter Inventory for Station: SACN0389

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0390

NPS Station ID: SACN0390
LAT/LON: 44.750309/ -92.803948
Agency: 21WIS
Date Created: / /
Location: ST. CROIX RIVER AT PRESCOTT
FIPS State/County: 55093 WISCONSIN/PIERCE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 483001 /6270AA483001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07010206
Depth of Water: 20
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07010206
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07040001001002.27
RF3 Mile Point: 2.26
Distance from RF3: 0.02
On/Off RF3:
Description:
ST. CROIX R AT HWY 10-PRESCOTT. DRAINAGE AREA APPROX 7468 SQ MILES.

Parameter Inventory for Station: SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	212	10.	11.767	29.	0.	84.625	9.199	1.	2.125	21.	25.
00040	WIND DIRECTION, AZIMUTH	03/19/75-04/29/75	2 ##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	140	3450.	6022.35	50360.	1687.	53721553.279	7329.499	2167.6	2597.	5404.25	12923.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/30/75-11/19/75	2	2.6	2.6	2.7	2.5	0.02	0.141	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	185	40.	43.881	140.	5.	816.323	28.571	12.6	20.	60.	80.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/19/77-02/27/79	25	203.	204.88	310.	120.	1881.443	43.376	142.	175.	237.5	254.
00300	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	209	9.1	9.129	14.4	3.4	4.606	2.146	6.2	7.7	10.75	12.
00310	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	203	2.	2.322	8.6	0.3	1.92	1.386	0.9	1.2	3.1	4.
00312	BOD, 6 DAY, 20 DEG C MG/L	06/03/74-04/11/77	7	3.7	4.229	11.	0.8	11.972	3.46	**	**	**	**
00400	PH (STANDARD UNITS)	04/11/61-02/27/79	210	7.4	7.491	8.7	6.8	0.139	0.372	7.11	7.2	7.7	8.1
00400	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	210	7.4	7.371	8.7	6.8	0.153	0.391	7.11	7.2	7.7	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	210	0.04	0.043	0.158	0.002	0.001	0.027	0.008	0.02	0.063	0.078
00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	49	7.6	7.637	8.2	7.	0.092	0.304	7.2	7.4	7.9	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	01/24/73-01/24/79	49	7.6	7.528	8.2	7.	0.104	0.323	7.2	7.4	7.9	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/73-01/24/79	49	0.025	0.03	0.1	0.006	0.001	0.024	0.01	0.013	0.04	0.063
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	186	88.	84.737	154.	30.	524.357	22.899	54.	66.75	102.	112.
00500	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	186	138.	137.866	206.	68.	404.917	20.123	112.	124.75	150.5	160.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/15/75-08/19/76	5	42.	47.6	70.	32.	254.8	15.962	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	210	6.	6.743	55.	0.	34.852	5.904	2.	4.	8.	11.9
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	184	2.5	3.38	24.	0.	10.445	3.232	0.	1.	5.	7.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/11/61-03/02/77	59	0.54	0.586	1.54	0.05	0.065	0.254	0.34	0.39	0.71	0.87
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/11/61-03/02/77	58	0.14	0.176	1.2	0.005	0.03	0.173	0.07	0.1	0.203	0.27
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/10/76-02/10/76	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/11/61-02/10/76	47	0.32	0.339	0.86	0.02	0.039	0.198	0.088	0.2	0.48	0.648
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/31/74-03/02/77	11	0.4	0.455	0.8	0.2	0.039	0.197	0.22	0.3	0.7	0.78
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/11/61-02/27/79	78	0.06	0.075	0.6	0.01	0.005	0.071	0.02	0.04	0.083	0.122
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/24/73-02/27/79	43	0.021	0.025	0.098	0.001	0.	0.02	0.002	0.011	0.033	0.048
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	187	96.	92.471	156.	8.	478.745	21.88	64.	76.	109.	118.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	161	1.	1.258	7.	0.	1.347	1.161	0.	0.5	2.	3.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/01/85-06/02/86	12 ##	0.1	0.167	0.7	0.1	0.032	0.178	0.1	0.1	0.1	0.58
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/01/85-06/02/86	12 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01042	COPPER, TOTAL (UG/L AS CU)	07/01/85-06/02/86	12 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01051	LEAD, TOTAL (UG/L AS PB)	07/01/85-06/02/86	12 ##	1.5	1.792	5.	1.5	1.021	1.01	1.5	1.5	1.5	3.95
01092	ZINC, TOTAL (UG/L AS ZN)	07/01/85-07/01/85	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01501	ALPHA, TOTAL	02/10/76-02/10/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03501	BETA, TOTAL	02/10/76-02/10/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/18/73-02/27/79	61 ##	5.	9.18	90.	5.	165.984	12.883	5.	5.	10.	10.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/18/73-02/27/79	61 ##	0.699	0.831	1.954	0.699	0.07	0.264	0.699	0.699	1.	1.
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			6.769								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	90	10.	47.589	1000.	3.	12843.099	113.327	5.	5.	85.	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	90	1.	1.242	3.	0.477	0.314	0.56	0.699	0.699	1.927	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.472								
71900	MERCURY, TOTAL (UG/L AS HG)	01/06/86-05/01/86	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0390

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	2	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	209	2	0.01	68	1	0.01	51	0	0.00	24	0	0.00	66	1	0.02
00400	PH	Other-Hi Lim.	9.	210	0	0.00	68	0	0.00	50	0	0.00	26	0	0.00	66	0	0.00
		Other-Lo Lim.	6.5	210	0	0.00	68	0	0.00	50	0	0.00	26	0	0.00	66	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	49	0	0.00	17	0	0.00	12	0	0.00	3	0	0.00	17	0	0.00
		Other-Lo Lim.	6.5	49	0	0.00	17	0	0.00	12	0	0.00	3	0	0.00	17	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	47	0	0.00	12	0	0.00	12	0	0.00	10	0	0.00	13	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	11	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	161	0	0.00	52	0	0.00	41	0	0.00	22	0	0.00	46	0	0.00
		Drinking Water	250.	161	0	0.00	52	0	0.00	41	0	0.00	22	0	0.00	46	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	12	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	4	0	0.00
		Drinking Water	5.	12	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	4	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	12	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	4	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	12	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	4	0	0.00
		Drinking Water	1300.	12	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	4	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	12	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	4	0	0.00
		Drinking Water	15.	12	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	4	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	61	0	0.00	21	0	0.00	16	0	0.00	5	0	0.00	19	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	90	2	0.02	30	0	0.00	24	1	0.04	10	1	0.10	26	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	2.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1961 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	9	16.	14.556	26.	2.	91.528	9.567	2.	4.	24.5	26.
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	9	2845.	3502.667	8423.	1888.	3873659.25	1968.161	1888.	2486.5	3764.5	8423.
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	9	30.	37.	110.	13.	868.5	29.47	13.	20.	42.5	110.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	9	8.6	9.089	12.4	5.9	4.824	2.196	5.9	7.6	11.35	12.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	8	2.4	2.413	4.1	1.2	0.807	0.898	**	**	**	**
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	8	7.7	7.6	8.2	6.8	0.254	0.504	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	8	7.689	7.324	8.2	6.8	0.341	0.584	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	8	0.02	0.047	0.158	0.006	0.004	0.06	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	9	96.	89.111	103.	44.	342.361	18.503	44.	83.5	100.	103.
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	9	140.	142.	170.	102.	396.	19.9	102.	132.	156.	170.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	9	7.	8.444	27.	2.	53.778	7.333	2.	4.5	9.	27.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	9	2.	4.	14.	1.	16.5	4.062	1.	1.5	5.	14.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	9	100.	94.444	110.	50.	369.778	19.23	50.	86.	109.	110.
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	2	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1962 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	6.	9.417	25.	0.	94.811	9.737	0.	0.5	19.5	24.7
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	12	3071.5	6241.417	31853.	2216.	73026084.265	8545.53	2238.5	2417.25	4727.25	26040.2
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	12	27.5	39.75	110.	12.	850.568	29.165	13.2	18.5	57.25	98.9
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	12	8.6	8.85	13.3	5.2	5.146	2.269	5.65	7.2	10.625	12.64
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	12	1.45	1.5	3.1	0.5	0.538	0.734	0.59	0.9	1.975	2.8
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.5	7.433	7.7	7.1	0.044	0.21	7.13	7.225	7.65	7.7
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.5	7.387	7.7	7.1	0.047	0.216	7.13	7.225	7.65	7.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.032	0.041	0.079	0.02	0.	0.02	0.02	0.023	0.06	0.075
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	12	92.	86.917	115.	53.	504.629	22.464	54.2	62.25	107.75	113.5
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	12	138.	137.667	162.	106.	251.515	15.859	109.6	130.5	147.5	160.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	12	6.	5.833	10.	2.	6.879	2.623	2.	3.25	7.75	9.7
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	11	4.	4.	7.	1.	3.4	1.844	1.2	2.	5.	6.8
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	12	96.	98.	156.	64.	613.818	24.775	65.8	78.	112.5	144.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	2	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1963 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	11	9.	12.	26.	0.	113.4	10.649	0.	1.	23.	25.8
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	11	2191.	3188.818	8020.	1687.	4435600.364	2106.087	1732.4	1964.	4570.	7634.8
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	11	25.	29.364	65.	10.	458.455	21.412	10.	10.	50.	65.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	11	8.2	8.855	12.1	6.2	3.417	1.848	6.36	7.3	10.4	11.78
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	11	1.6	1.664	3.8	0.6	0.865	0.93	0.62	0.7	2.	3.5
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	11	7.4	7.545	8.7	6.9	0.249	0.499	6.98	7.3	7.9	8.58
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	11	7.4	7.371	8.7	6.9	0.282	0.531	6.98	7.3	7.9	8.58
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	11	0.04	0.043	0.126	0.002	0.001	0.033	0.003	0.013	0.05	0.111
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	11	109.	103.818	124.	72.	308.164	17.555	72.	96.	117.	123.2
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	11	154.	155.273	198.	114.	640.218	25.303	116.4	136.	180.	194.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	11	5.	11.182	55.	1.	246.964	15.715	1.4	5.	7.	48.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	11	4.	5.364	17.	1.	23.455	4.843	1.2	2.	5.	16.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	11	112.	109.636	126.	78.	245.455	15.667	79.2	104.	122.	125.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	7	1.	1.214	2.	0.5	0.571	0.756	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1964 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	11.5	12.167	29.	1.	111.97	10.582	1.	1.25	21.75	28.4
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	12	2530.5	5300.333	28579.	1763.	58598978.97	7654.997	1838.3	2171.5	3506.5	22993.
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	12	40.	45.667	100.	15.	654.424	25.582	15.9	22.5	67.5	91.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	12	10.7	10.158	13.8	5.9	7.834	2.799	6.05	7.85	12.625	13.77
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	12	1.7	2.383	7.3	0.5	4.092	2.023	0.5	0.65	3.725	6.37
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.4	7.533	8.6	7.1	0.226	0.475	7.13	7.2	7.75	8.51
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.4	7.38	8.6	7.1	0.252	0.502	7.13	7.2	7.75	8.51
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.04	0.042	0.079	0.003	0.001	0.025	0.003	0.018	0.063	0.075
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	12	95.	93.417	123.	54.	494.629	22.24	57.	74.25	116.	121.8
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	12	146.	143.667	160.	106.	236.242	15.37	113.2	134.5	157.	159.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	12	5.	6.5	17.	1.	25.182	5.018	1.	2.25	10.75	15.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	12	4.	4.917	14.	1.	15.902	3.988	1.	2.25	7.75	12.8
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	12	102.	102.667	128.	74.	300.606	17.338	74.6	94.5	120.	126.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	8	1.5	1.313	2.	0.5	0.567	0.753	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1965 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	9.5	10.833	25.	0.	89.061	9.437	0.3	1.5	20.25	24.4
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	12	4073.	7002.25	31475.	1763.	70012705.841	8367.36	1982.	2600.25	8016.75	25998.2
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	12	55.	56.167	112.	20.	897.424	29.957	20.6	31.25	70.	108.4
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	11	9.	8.791	11.9	5.7	4.393	2.096	5.88	6.8	10.9	11.84
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	12	1.2	1.8	5.1	0.5	2.08	1.442	0.56	1.1	1.9	4.89
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.2	7.325	8.5	7.1	0.146	0.382	7.13	7.2	7.2	8.2
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.2	7.245	8.5	7.1	0.153	0.391	7.13	7.2	7.2	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.063	0.057	0.079	0.003	0.	0.02	0.012	0.063	0.063	0.075
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	12	83.	82.083	116.	48.	518.992	22.781	51.	62.75	103.5	116.
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	12	142.	138.833	164.	106.	242.515	15.573	111.4	129.	149.	161.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	12	6.	8.667	26.	2.	58.788	7.667	2.	3.5	10.25	24.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	12	5.	6.583	24.	1.	35.902	5.992	1.3	2.75	7.75	19.5
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	12	92.	92.667	132.	58.	540.606	23.251	61.	73.5	113.5	129.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	12	1.	1.	3.	0.	1.091	1.044	0.	0.	2.	2.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	6	100.	100.	100.	100.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	6	2.	2.	2.	2.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			100.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1966 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	9.5	11.583	26.	0.	88.629	9.414	0.3	3.	21.25	25.7
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	12	4495.	6647.667	20522.	2606.	30792279.152	5549.079	2617.4	2959.	8983.25	18595.7
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	12	50.	49.	70.	20.	237.455	15.41	23.	40.	60.	70.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	12	8.9	9.583	14.4	6.2	5.276	2.297	6.65	7.775	11.2	13.59
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	12	1.2	1.475	3.6	0.5	0.888	0.942	0.53	0.75	2.125	3.33
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.2	7.292	8.	7.	0.068	0.261	7.03	7.125	7.375	7.85
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.2	7.238	8.	7.	0.071	0.267	7.03	7.125	7.375	7.85
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.063	0.058	0.1	0.01	0.001	0.024	0.016	0.042	0.075	0.094
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	12	75.	72.	98.	42.	242.182	15.562	44.4	62.5	80.	95.
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	12	136.	126.333	142.	94.	271.879	16.489	95.2	118.	138.	141.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	11	6.	6.273	9.	3.	4.818	2.195	3.2	4.	8.	9.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	12	5.	4.75	7.	0.	4.568	2.137	0.9	3.	6.75	7.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1966 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	12	86.	82.5	100.	52.	213.182	14.601	53.8	77.	94.	98.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	12	1.	0.75	2.	0.	0.568	0.754	0.	0.	1.	2.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	11	100.	102.727	300.	10.	5441.818	73.769	12.	100.	100.	260.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	11	2.	1.889	2.477	1.	0.158	0.398	1.06	2.	2.	2.382
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			77.432								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1967 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	11	9.	11.727	25.	1.	75.618	8.696	1.2	4.	21.	24.8
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	11	3022.	4695.	17878.	2317.	20365055.	4512.766	2339.6	2619.	5023.	15473.2
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	11	30.	41.364	106.	10.	963.455	31.04	10.4	15.	70.	99.6
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	11	9.	8.791	11.6	5.2	5.067	2.251	5.34	6.4	10.9	11.48
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	11	1.5	2.227	8.6	0.5	5.774	2.403	0.5	0.6	2.8	7.74
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	11	7.2	7.309	7.7	6.9	0.069	0.263	6.92	7.1	7.5	7.68
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	11	7.2	7.239	7.7	6.9	0.074	0.273	6.92	7.1	7.5	7.68
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	11	0.063	0.058	0.126	0.02	0.001	0.034	0.021	0.032	0.079	0.121
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	11	81.	76.455	100.	34.	429.673	20.729	38.6	58.	94.	99.6
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	11	138.	137.818	164.	94.	405.164	20.129	97.6	134.	152.	162.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	11	5.	8.	39.	2.	110.6	10.517	2.	3.	8.	33.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	11	2.	2.727	12.	0.	11.218	3.349	0.2	1.	3.	10.6
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	11	92.	88.182	114.	44.	501.164	22.387	48.4	68.	106.	113.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	11	1.	1.364	3.	0.	0.655	0.809	0.2	1.	2.	2.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	10	10.	143.8	1000.	3.	94366.622	307.192	3.2	5.	140.	917.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	10	1.	1.392	3.	0.477	0.752	0.867	0.499	0.699	2.143	2.923
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			24.651								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	13.	12.75	25.	0.	80.932	8.996	0.9	5.	21.5	25.
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	12	4891.5	6740.917	19137.	1863.	24357548.992	4935.337	1968.9	3396.25	10214.	16610.1
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	12	57.5	55.083	100.	8.	1113.902	33.375	8.6	19.75	85.	100.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	12	8.95	8.6	13.8	3.5	9.498	3.082	3.71	6.525	10.75	13.38
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	12	3.25	2.858	4.	0.6	1.397	1.182	0.84	1.725	3.925	4.
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.3	7.325	7.5	7.2	0.017	0.129	7.2	7.2	7.475	7.5
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.3	7.308	7.5	7.2	0.017	0.13	7.2	7.2	7.475	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.05	0.049	0.063	0.032	0.	0.014	0.032	0.034	0.063	0.063
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	12	66.	71.333	112.	38.	583.515	24.156	42.2	54.5	93.	112.
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	12	133.	137.5	164.	120.	250.273	15.82	120.	122.5	153.5	161.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	12	7.	7.	13.	3.	9.091	3.015	3.3	4.	9.5	12.1
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	12	2.	1.833	3.	0.	0.697	0.835	0.3	1.25	2.	3.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	12	81.	85.5	124.	64.	470.636	21.694	64.	65.	109.	121.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	12	1.	1.25	4.	0.	1.477	1.215	0.	0.25	1.75	3.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	12	10.	20.833	100.	5.	785.606	28.029	5.	5.	33.75	82.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	12	1.	1.073	2.	0.699	0.195	0.442	0.699	0.699	1.496	1.881
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.828								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	8.	11.417	27.	0.	102.629	10.131	0.3	2.25	21.5	26.4
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	12	3600.5	7529.75	50360.	2140.	183741038.386	13555.111	2260.9	2580.75	4274.5	37435.1
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	12	25.	32.417	80.	9.	583.72	24.16	9.3	11.25	47.5	77.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	12	9.4	9.867	12.2	6.6	2.688	1.639	7.17	9.05	11.55	12.14
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	12	2.05	2.217	3.7	1.	1.131	1.063	1.	1.125	3.4	3.7
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.55	7.658	8.6	7.3	0.15	0.387	7.3	7.4	7.775	8.48
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.547	7.55	8.6	7.3	0.163	0.403	7.3	7.4	7.775	8.48
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.028	0.028	0.05	0.003	0.	0.015	0.004	0.017	0.04	0.05
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	12	86.5	81.083	96.	45.	268.083	16.373	48.3	71.25	93.5	95.4
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	12	132.	132.	154.	104.	201.455	14.193	108.2	122.	143.	152.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	12	9.	8.25	13.	2.	13.659	3.696	2.3	6.	11.5	13.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	12	2.	1.917	4.	0.	1.356	1.165	0.3	1.	3.	3.7
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	12	100.	91.833	104.	52.	352.333	18.771	54.4	79.5	104.	104.
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	12	2.	1.5	2.	0.	0.455	0.674	0.3	1.	2.	2.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	12	10.	27.083	100.	5.	1024.811	32.013	5.	10.	42.5	94.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	12	1.	1.206	2.	0.699	0.191	0.436	0.699	1.	1.599	1.971
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.085								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	12.	12.167	25.	1.	88.697	9.418	1.	2.25	21.75	25.
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	12	3192.	5841.833	24425.	1750.	43504112.879	6595.765	1837.	2306.75	5388.5	20987.9
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	12	37.5	39.583	80.	10.	742.992	27.258	10.	11.25	66.25	80.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	12	9.45	9.642	12.5	6.4	3.132	1.77	6.85	8.2	11.	12.32
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	12	2.	2.108	4.5	1.	1.386	1.177	1.	1.	2.95	4.2
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.65	7.75	8.6	7.4	0.148	0.385	7.4	7.425	7.9	8.51
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.625	7.634	8.6	7.4	0.163	0.404	7.4	7.425	7.9	8.51
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.024	0.023	0.04	0.003	0.	0.014	0.003	0.013	0.038	0.04
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	12	93.	87.167	154.	34.	967.606	31.106	39.4	64.5	102.	139.6
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	12	137.	132.917	152.	108.	187.174	13.681	111.6	120.5	142.	151.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	12	8.	7.75	12.	2.	7.659	2.768	2.9	6.	10.	11.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	12	2.5	3.167	9.	0.	5.97	2.443	0.3	1.25	4.75	7.8
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	12	96.	88.833	116.	48.	507.242	22.522	51.6	64.5	107.	114.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	12	1.	1.167	3.	0.	0.879	0.937	0.	0.25	2.	2.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	9	10.	27.778	140.	5.	1950.694	44.167	5.	5.	35.	140.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	9	1.	1.11	2.146	0.699	0.269	0.519	0.699	0.699	1.526	2.146
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.893								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	13.5	12.25	25.	0.	104.386	10.217	0.3	1.	23.25	25.
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	12	4085.	9074.25	42932.	2808.	130088668.932	11405.642	2872.2	3138.5	12045.25	34433.6
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	12	50.	53.75	110.	20.	873.295	29.552	21.5	26.25	75.	107.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	11	8.4	8.555	12.7	4.8	5.839	2.416	4.98	6.7	11.	12.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	12	2.25	2.808	6.	1.	1.959	1.4	1.15	2.	3.925	5.4
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.4	7.508	8.4	7.	0.184	0.429	7.03	7.2	7.7	8.34
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.4	7.366	8.4	7.	0.207	0.455	7.03	7.2	7.7	8.34
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.04	0.043	0.1	0.004	0.001	0.029	0.005	0.02	0.063	0.094
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	12	84.	78.833	110.	46.	471.606	21.716	46.6	62.	96.5	108.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	12	137.	130.5	174.	92.	579.727	24.078	96.2	110.5	144.	169.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	12	6.5	6.917	16.	0.	22.083	4.699	0.3	2.75	10.5	14.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	12	0.5	1.583	5.	0.	3.72	1.929	0.	0.	3.75	4.7
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	12	89.	85.667	116.	52.	394.788	19.869	55.6	69.	102.5	113.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	12	1.	1.417	4.	0.	2.447	1.564	0.	0.	2.75	4.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	10	5.	6.	10.	5.	4.444	2.108	5.	5.	6.25	10.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	10	0.699	0.759	1.	0.699	0.016	0.127	0.699	0.699	0.774	1.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.743								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	11	9.	11.818	24.	0.	100.764	10.038	0.4	2.	22.	23.6
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	11	4772.	5802.909	12527.	3147.	9258899.091	3042.844	3207.6	3450.	8775.	11804.4
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	11	50.	66.818	130.	30.	1076.364	32.808	32.	45.	80.	128.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	11	9.2	9.373	12.3	5.8	5.256	2.293	5.88	7.4	11.6	12.22
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	11	1.5	1.473	2.5	0.3	0.476	0.69	0.36	1.	1.8	2.5
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	11	7.2	7.309	7.8	7.	0.051	0.226	7.04	7.2	7.4	7.76
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	11	7.2	7.264	7.8	7.	0.053	0.231	7.04	7.2	7.4	7.76
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	11	0.063	0.054	0.1	0.016	0.001	0.023	0.018	0.04	0.063	0.093
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	11	74.	82.909	148.	54.	661.891	25.727	56.4	68.	92.	139.6
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	11	130.	124.909	158.	68.	489.091	22.115	77.2	120.	136.	153.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	11	5.	5.545	15.	1.	15.873	3.984	1.2	2.	8.	13.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	11	1.	1.364	4.	0.	1.855	1.362	0.	0.	2.	3.8
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	11	80.	84.273	112.	64.	190.418	13.799	65.6	76.	92.	110.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	11	0.	0.636	2.	0.	0.655	0.809	0.	0.	1.	2.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	10	10.	10.	20.	5.	16.667	4.082	5.	8.75	10.	19.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	10	1.	0.97	1.301	0.699	0.029	0.171	0.699	0.925	1.	1.271
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.33								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	10.5	11.792	24.	1.	84.521	9.194	1.3	2.375	22.	24.
00060p	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	2	4255.	4255.	4469.	4041.	91592.	302.642	**	**	**	**
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	12	47.5	51.667	120.	20.	687.879	26.227	21.5	36.25	60.	105.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	12	8.5	9.067	12.1	5.4	4.244	2.06	5.88	7.675	11.	11.92
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	12	2.45	2.525	4.	1.5	0.727	0.853	1.5	1.8	3.325	3.91
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.4	7.542	8.2	7.	0.135	0.368	7.06	7.325	7.75	8.2
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.4	7.425	8.2	7.	0.15	0.388	7.06	7.325	7.75	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.04	0.038	0.1	0.006	0.001	0.026	0.006	0.018	0.048	0.089
00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	12	7.6	7.567	8.1	7.	0.113	0.337	7.03	7.275	7.875	8.04
00403	CONVERTED PH, LAB, STANDARD UNITS	01/24/73-01/24/79	12	7.6	7.446	8.1	7.	0.129	0.36	7.03	7.275	7.875	8.04
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/73-01/24/79	12	0.025	0.036	0.1	0.008	0.001	0.029	0.009	0.013	0.055	0.094
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	12	78.	77.5	104.	52.	269.909	16.429	52.6	64.5	89.	102.8
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	12	135.	136.333	162.	108.	259.515	16.109	111.	124.5	148.	161.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	12	7.	7.	12.	2.	10.909	3.303	2.3	4.	10.	11.7
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	12	2.	3.	9.	0.	8.	2.828	0.	1.25	5.25	8.4
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	12	88.	85.833	110.	60.	219.788	14.825	60.9	76.	93.5	107.9
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	12	1.	1.	3.	0.	1.091	1.044	0.	0.	2.	2.7
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/18/73-02/27/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/18/73-02/27/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			10.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	10	10.	13.	30.	5.	62.222	7.888	5.	8.75	20.	29.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	10	1.	1.048	1.477	0.699	0.063	0.251	0.699	0.925	1.301	1.46
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.161								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	11	13.	12.545	25.	1.	91.873	9.585	1.2	2.	23.	24.6
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	11	30.	35.	110.	10.	780.	27.928	11.	15.	40.	98.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	11	8.7	9.082	10.9	7.4	2.058	1.434	7.42	7.6	10.7	10.86
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	8	2.4	2.55	3.7	1.6	0.714	0.845	**	**	**	**
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	11	7.5	7.555	8.3	7.2	0.115	0.339	7.2	7.2	7.8	8.22
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	11	7.5	7.459	8.3	7.2	0.125	0.353	7.2	7.2	7.8	8.22
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	11	0.032	0.035	0.063	0.005	0.	0.021	0.007	0.016	0.063	0.063
00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	11	7.7	7.691	7.9	7.4	0.033	0.181	7.4	7.6	7.9	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	01/24/73-01/24/79	11	7.7	7.655	7.9	7.4	0.034	0.185	7.4	7.6	7.9	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/73-01/24/79	11	0.02	0.022	0.04	0.013	0.	0.01	0.013	0.013	0.025	0.04
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	11	88.	84.364	106.	56.	358.255	18.928	56.	60.	100.	106.
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	11	134.	138.364	178.	102.	519.055	22.783	104.8	120.	160.	174.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	11	5.	6.182	16.	0.	16.964	4.119	0.6	4.	8.	14.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	11	4.	3.818	7.	0.	5.764	2.401	0.2	2.	6.	7.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	11	88.	83.273	120.	8.	1017.818	31.903	17.6	64.	106.	118.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	11	1.	1.545	7.	0.	4.873	2.207	0.	0.	2.	6.4
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/18/73-02/27/79	10 ##	5.	6.5	10.	5.	5.833	2.415	5.	5.	10.	10.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/18/73-02/27/79	10 ##	0.699	0.789	1.	0.699	0.021	0.145	0.699	0.699	1.	1.
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			6.156								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	10.5	12.125	24.	1.	87.006	9.328	1.3	2.	22.5	24.
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	12	35.	45.417	140.	15.	1197.538	34.605	16.5	20.	57.5	119.
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	11	8.9	8.727	12.4	3.4	5.938	2.437	3.94	7.7	10.3	12.06
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	10	3.7	3.64	4.9	2.5	0.576	0.759	2.5	2.95	4.075	4.84
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.3	7.558	8.3	7.2	0.164	0.406	7.2	7.3	7.95	8.27
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.3	7.43	8.3	7.2	0.182	0.427	7.2	7.3	7.95	8.27
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.05	0.037	0.063	0.005	0.	0.022	0.005	0.011	0.05	0.063
00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	11	7.5	7.5	7.8	7.	0.092	0.303	7.	7.3	7.8	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	01/24/73-01/24/79	11	7.5	7.396	7.8	7.	0.104	0.322	7.	7.3	7.8	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/73-01/24/79	11	0.032	0.04	0.1	0.016	0.001	0.032	0.016	0.016	0.05	0.1
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	12	99.	88.083	112.	30.	783.72	27.995	36.	65.	110.75	112.
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	12	147.	150.5	206.	90.	801.545	28.312	100.8	138.	167.5	197.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	12	7.	7.333	15.	0.	18.606	4.313	0.6	4.5	10.5	14.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	12	2.5	2.75	6.	0.	4.386	2.094	0.	1.	4.	6.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	12	105.5	95.25	120.	40.	664.932	25.786	47.2	72.75	115.25	119.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	12 ##	0.75	1.417	3.	0.5	1.22	1.104	0.5	0.5	2.75	3.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/18/73-02/27/79	12 ##	5.	11.667	50.	5.	196.97	14.035	5.	5.	10.	44.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/18/73-02/27/79	12 ##	0.699	0.897	1.699	0.699	0.12	0.346	0.699	0.699	1.	1.632
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			7.894								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	13	11.	12.423	26.	2.	71.785	8.473	2.2	4.75	20.5	25.2
00080p	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	12	20.	22.083	40.	5.	133.902	11.572	6.5	11.25	33.75	38.5
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	13	9.2	9.2	12.	7.1	2.128	1.459	7.18	7.8	10.05	11.56
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	12	2.4	2.65	6.8	1.2	2.434	1.56	1.2	1.7	2.5	6.11
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	13	7.6	7.577	8.1	7.	0.15	0.388	7.04	7.2	7.95	8.1
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	13	7.6	7.428	8.1	7.	0.174	0.418	7.04	7.2	7.95	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	13	0.025	0.037	0.1	0.008	0.001	0.031	0.008	0.011	0.063	0.092
00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	13	7.8	7.762	8.2	7.3	0.093	0.304	7.34	7.45	8.	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/24/73-01/24/79	13	7.8	7.667	8.2	7.3	0.102	0.32	7.34	7.45	8.	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/73-01/24/79	13	0.016	0.022	0.05	0.006	0.	0.015	0.006	0.01	0.036	0.046
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	13	108.	101.154	120.	41.	458.308	21.408	55.8	97.	114.	120.
00500p	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	13	150.	142.308	160.	96.	349.897	18.706	105.6	131.	156.	159.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	13	4.	4.692	14.	0.	14.231	3.772	0.4	1.5	6.5	12.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	12	1.5	2.5	6.	0.	4.636	2.153	0.	1.	4.75	5.7
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	13	115.	106.769	127.	47.	461.359	21.479	61.8	100.5	121.	125.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	13	1.	1.654	4.	0.5	1.266	1.125	0.5	0.75	2.5	3.6
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/18/73-02/27/79	12 ##	5.	8.333	30.	5.	65.152	8.072	5.	5.	5.	27.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/18/73-02/27/79	12 ##	0.699	0.814	1.477	0.699	0.074	0.271	0.699	0.699	0.699	1.424
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			6.516								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	8.75	11.867	25.	1.5	84.795	9.208	1.5	3.	21.75	24.25
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	12	8.9	8.6	11.4	5.2	3.765	1.94	5.26	7.125	9.825	11.22
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	10	2.85	2.88	5.3	1.2	1.897	1.377	1.2	1.65	3.7	5.26
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.45	7.642	8.2	7.1	0.146	0.382	7.19	7.4	8.125	8.2
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.447	7.515	8.2	7.1	0.164	0.405	7.19	7.4	8.125	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.036	0.031	0.079	0.006	0.	0.021	0.006	0.008	0.04	0.068
00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/24/73-01/24/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/73-01/24/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	11	4.	4.273	8.	2.	6.018	2.453	2.	2.	6.	8.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/18/73-02/27/79	12 ##	5.	12.917	90.	5.	592.992	24.351	5.	5.	8.75	66.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/18/73-02/27/79	12 ##	0.699	0.854	1.954	0.699	0.134	0.365	0.699	0.699	0.925	1.668
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			7.141								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station SACN0390

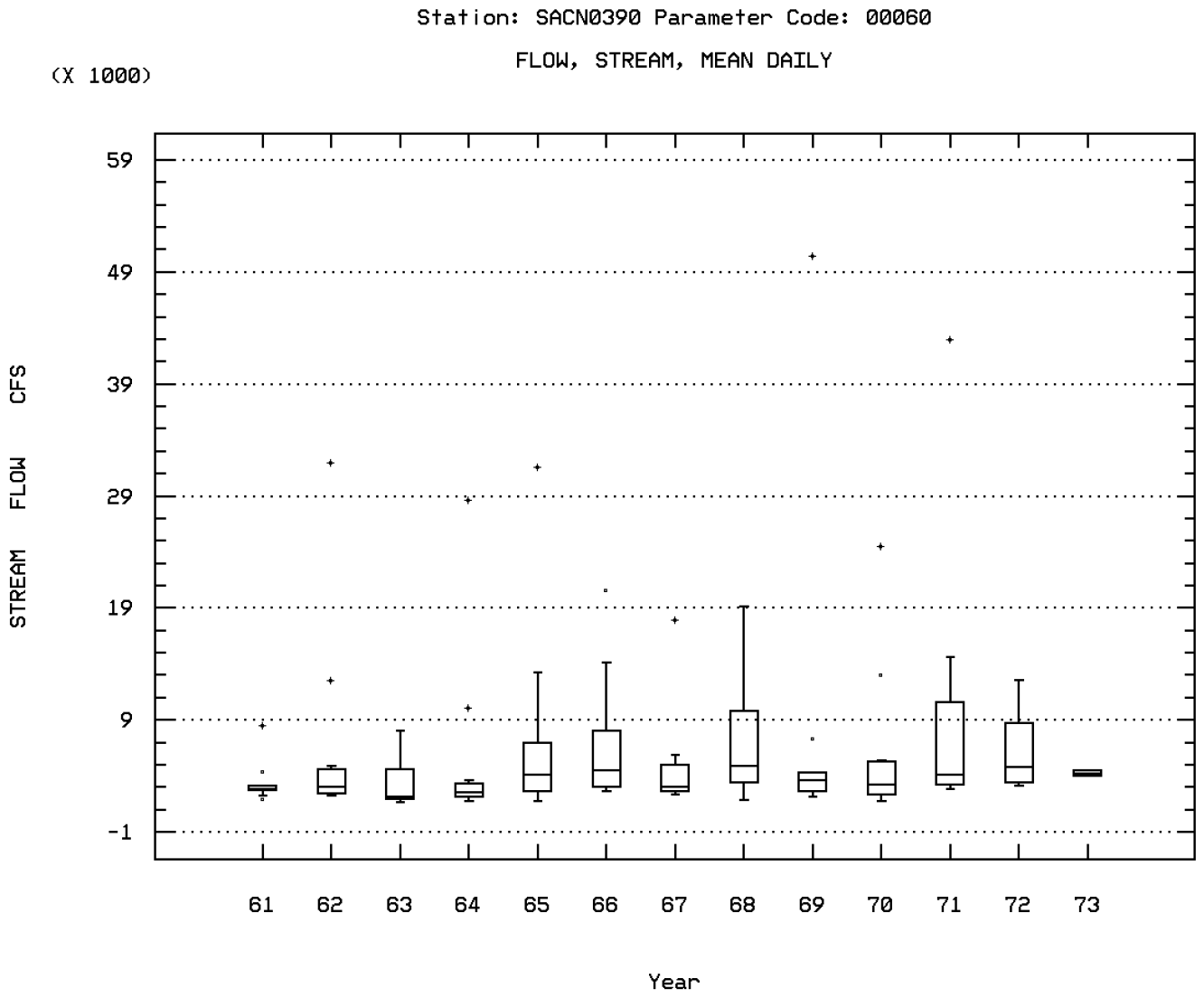
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	12	9.5	10.767	24.	1.	78.335	8.851	1.	2.625	18.	23.85
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	12	9.05	8.958	13.4	5.6	5.108	2.26	5.69	6.95	10.45	12.68
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	12	2.65	3.092	6.5	1.5	2.604	1.614	1.53	1.6	4.25	6.02
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.4	7.392	7.9	6.9	0.09	0.3	6.93	7.2	7.625	7.87
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	12	7.4	7.301	7.9	6.9	0.099	0.314	6.93	7.2	7.625	7.87
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	12	0.04	0.05	0.126	0.013	0.001	0.034	0.014	0.025	0.063	0.118
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	12	2.	3.	6.	0.	4.727	2.174	0.	2.	5.5	6.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/18/73-02/27/79	12 ##	5.	6.25	10.	5.	5.114	2.261	5.	5.	8.75	10.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/18/73-02/27/79	12 ##	0.699	0.774	1.	0.699	0.019	0.136	0.699	0.699	0.925	1.
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			5.946								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	2	1.8	1.8	2.	1.6	0.08	0.283	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	2	11.4	11.4	13.4	9.4	8.	2.828	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	2	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	04/11/61-02/27/79	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/24/73-01/24/79	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/73-01/24/79	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	1	130.	130.	130.	130.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	12/18/73-02/27/79	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	12/18/73-02/27/79	2 ##	0.849	0.849	1.	0.699	0.045	0.213	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			7.071								

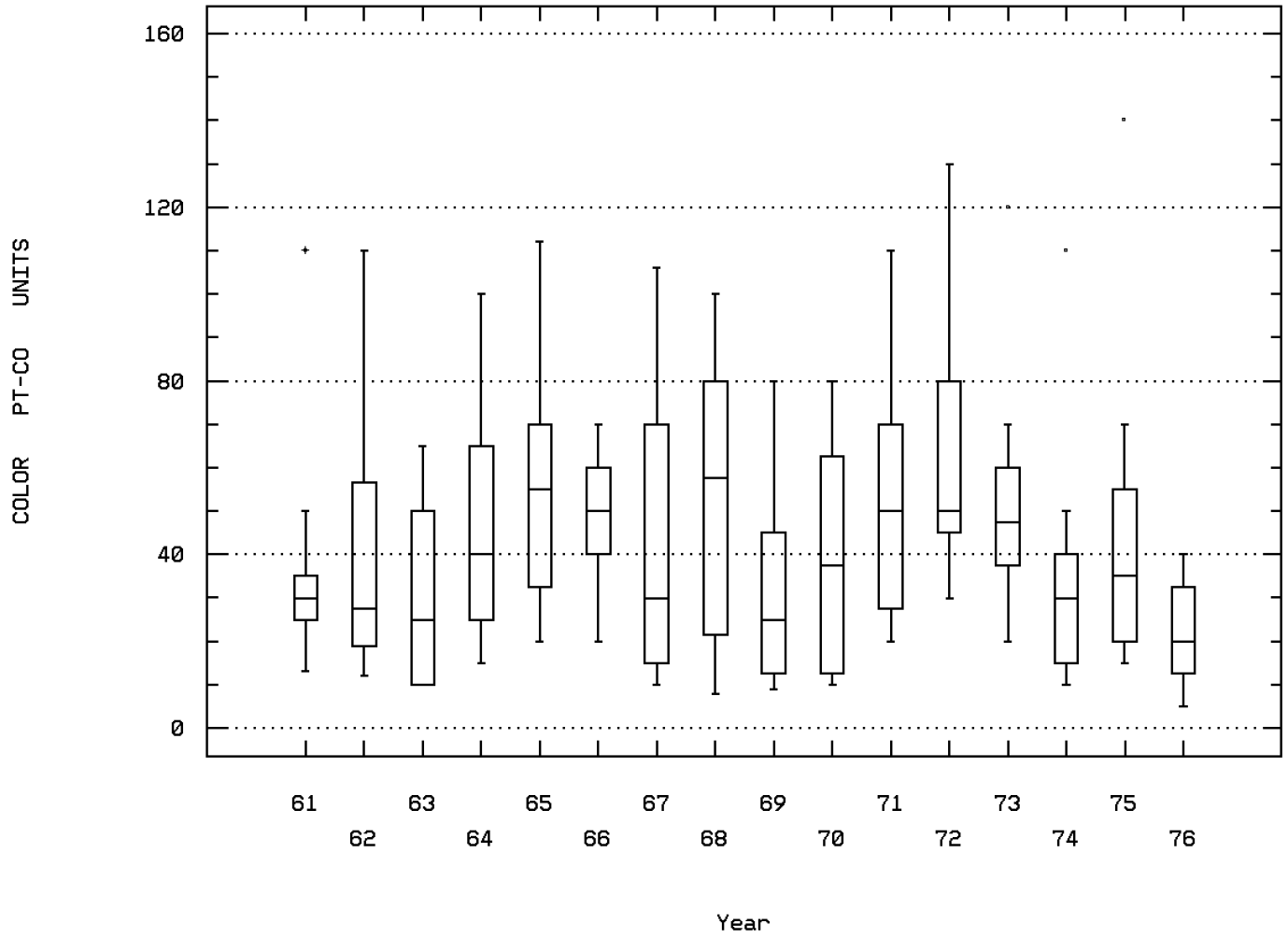
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



ST. CROIX RIVER AT PRESCOTT

Station: SACN0390 Parameter Code: 00080

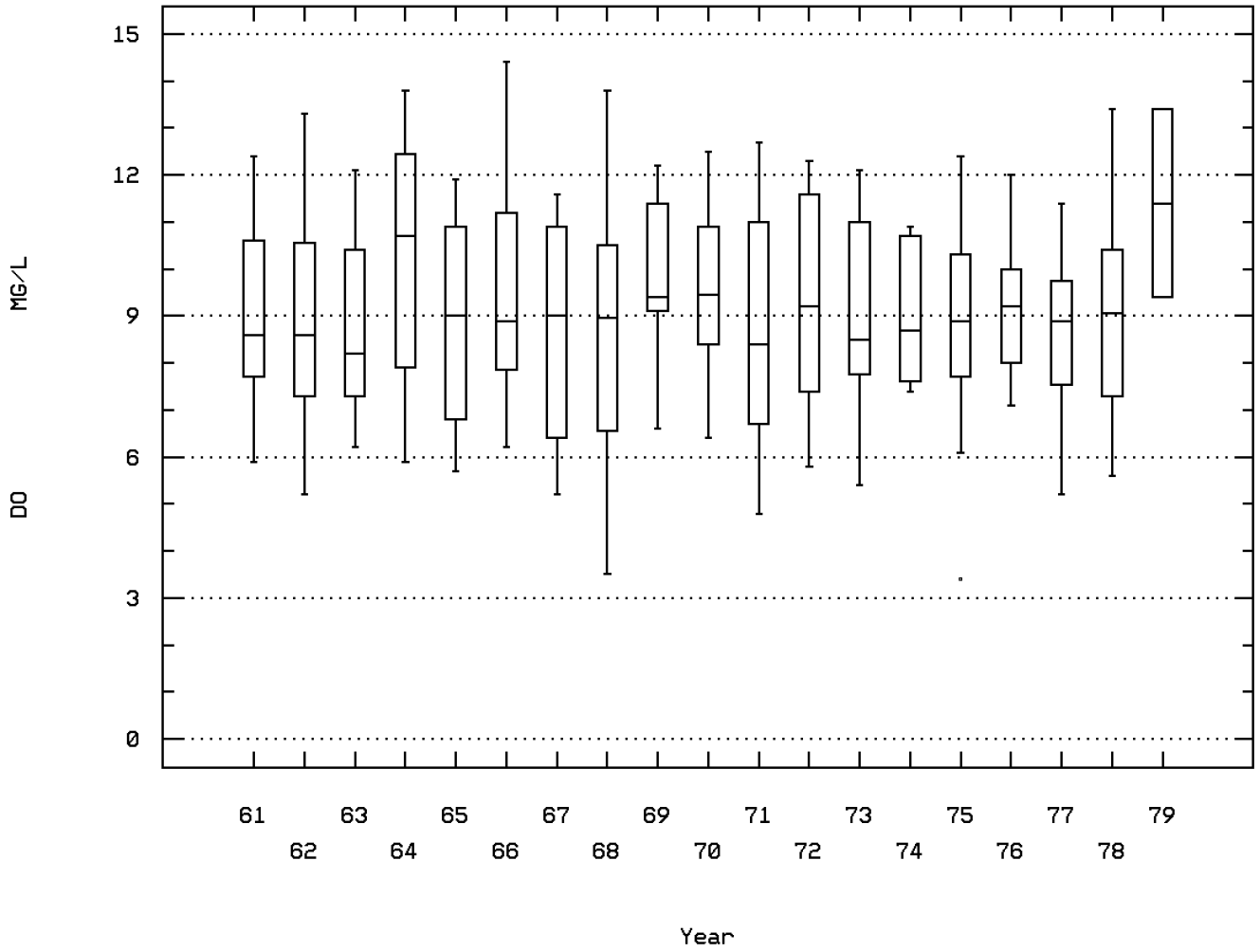
COLOR (PLATINUM-COBALT UNITS)



ST. CROIX RIVER AT PRESCOTT

Station: SACN0390 Parameter Code: 00300

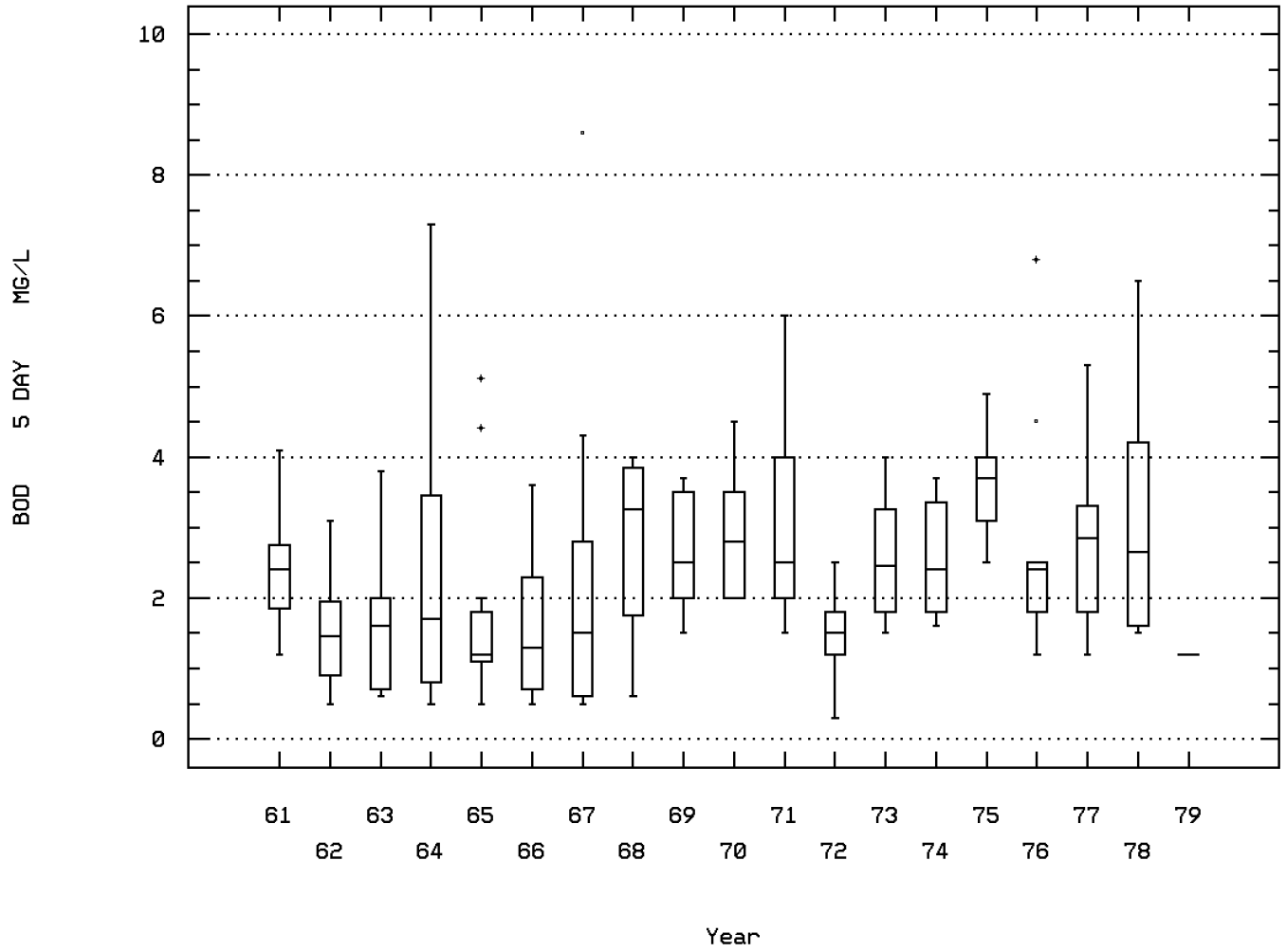
OXYGEN, DISSOLVED



ST. CROIX RIVER AT PRESCOTT

Station: SACN0390 Parameter Code: 00310

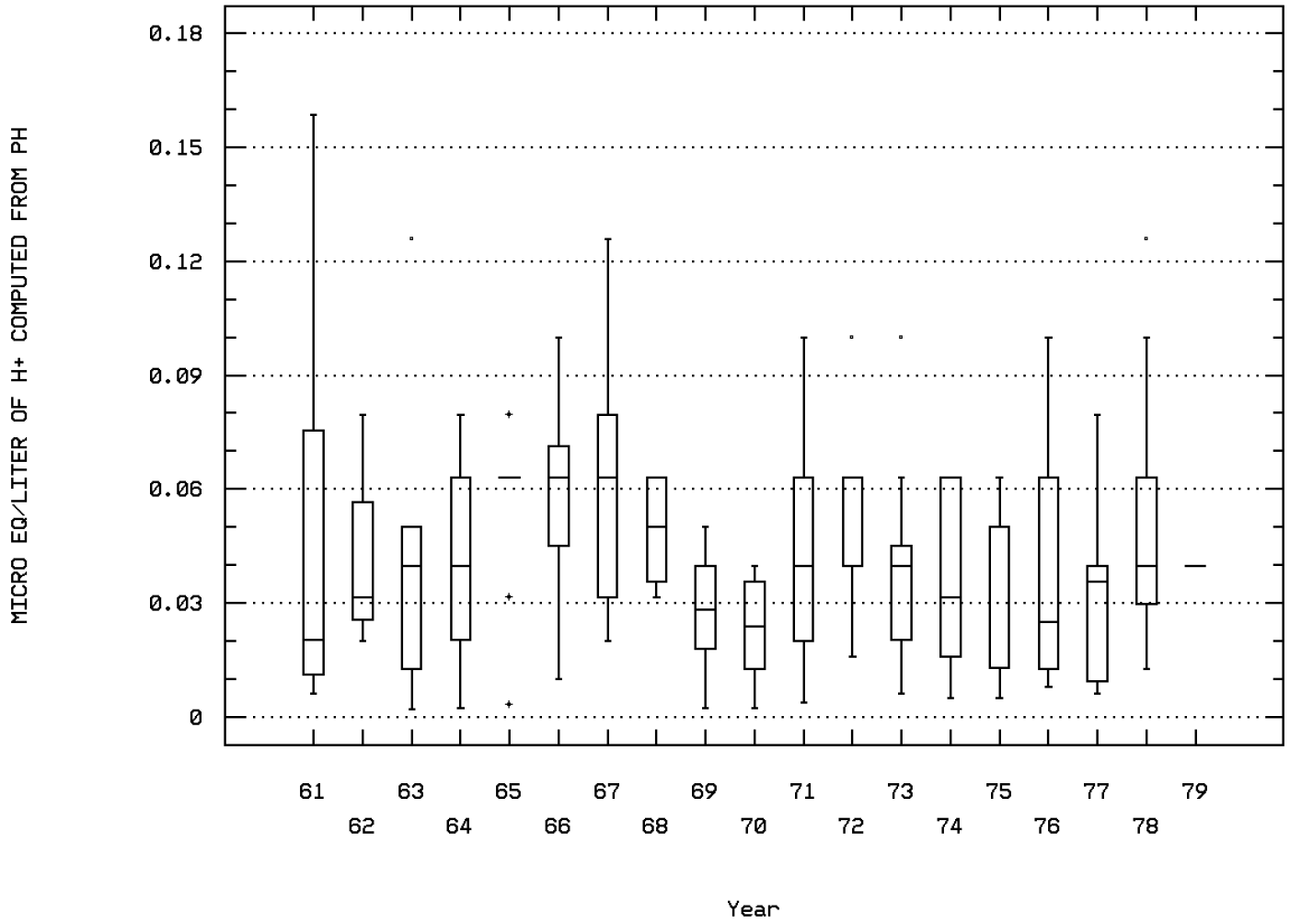
BOD, 5 DAY, 20 DEG C



ST. CROIX RIVER AT PRESCOTT

Station: SACN0390 Parameter Code: 00400

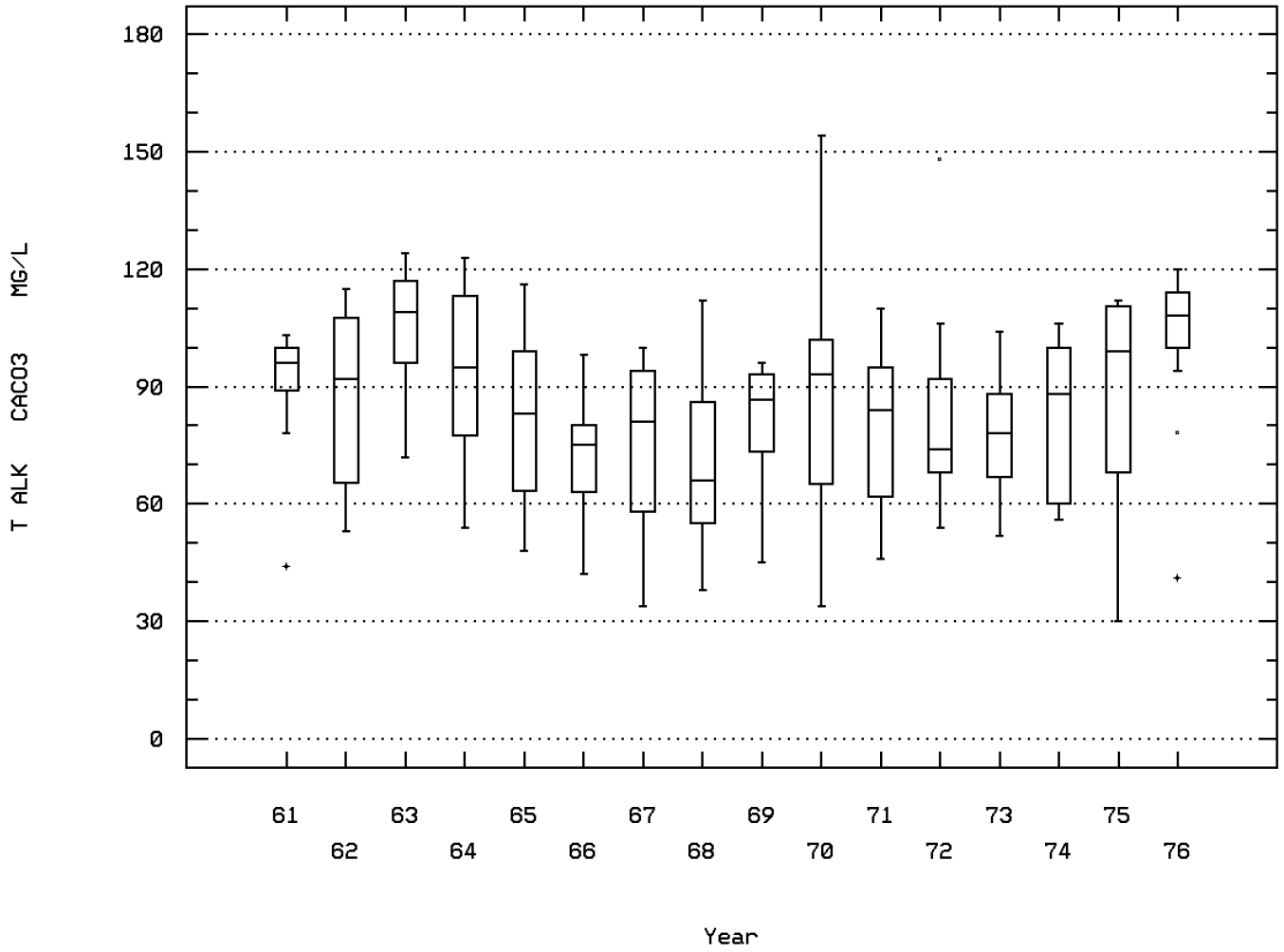
MICRO EQ/LITER OF H+ COMPUTED FROM PH



ST. CROIX RIVER AT PRESCOTT

Station: SACN0390 Parameter Code: 00410

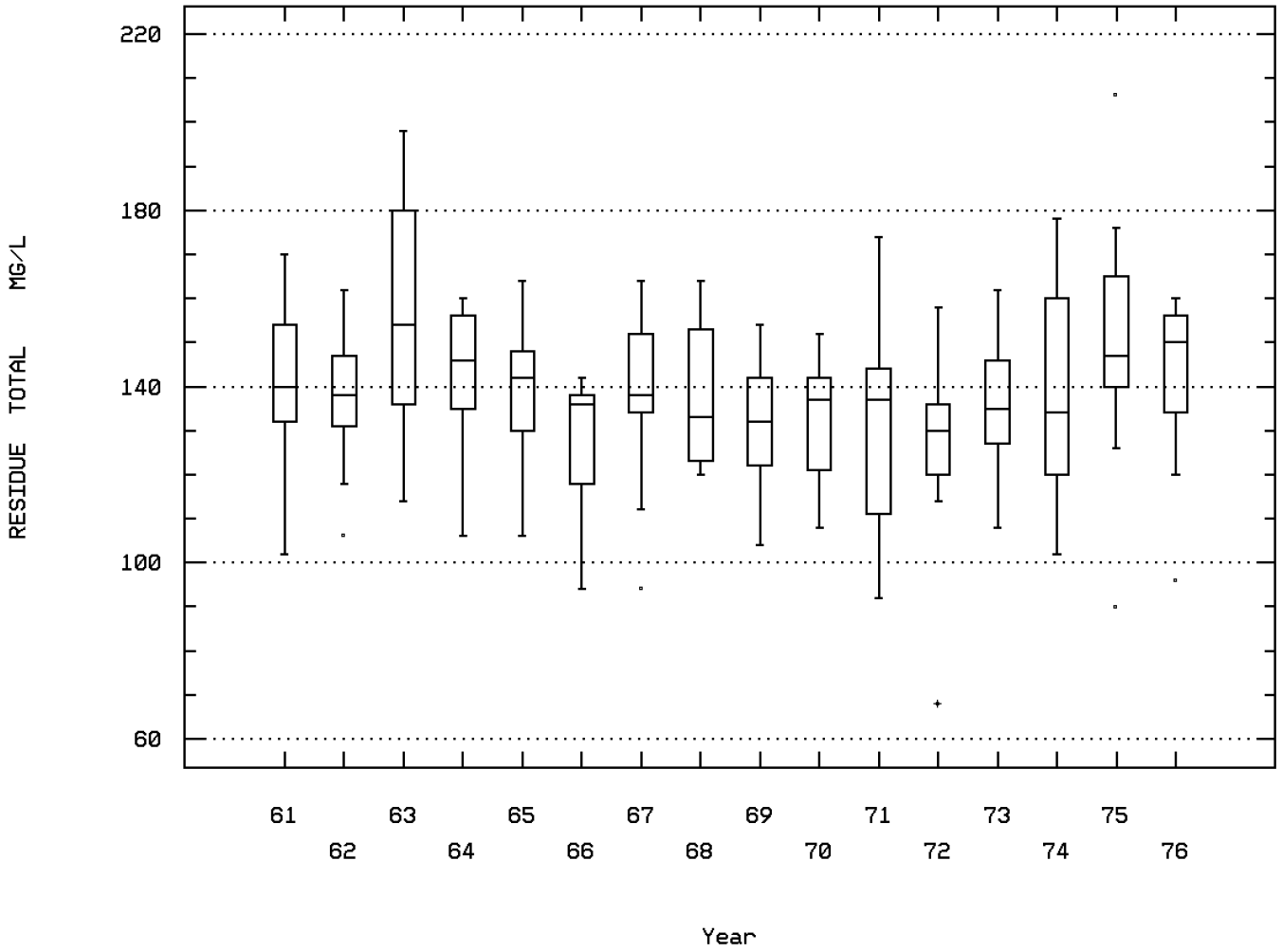
ALKALINITY, TOTAL (MG/L AS CACO3)



ST. CROIX RIVER AT PRESCOTT

Station: SACN0390 Parameter Code: 00500

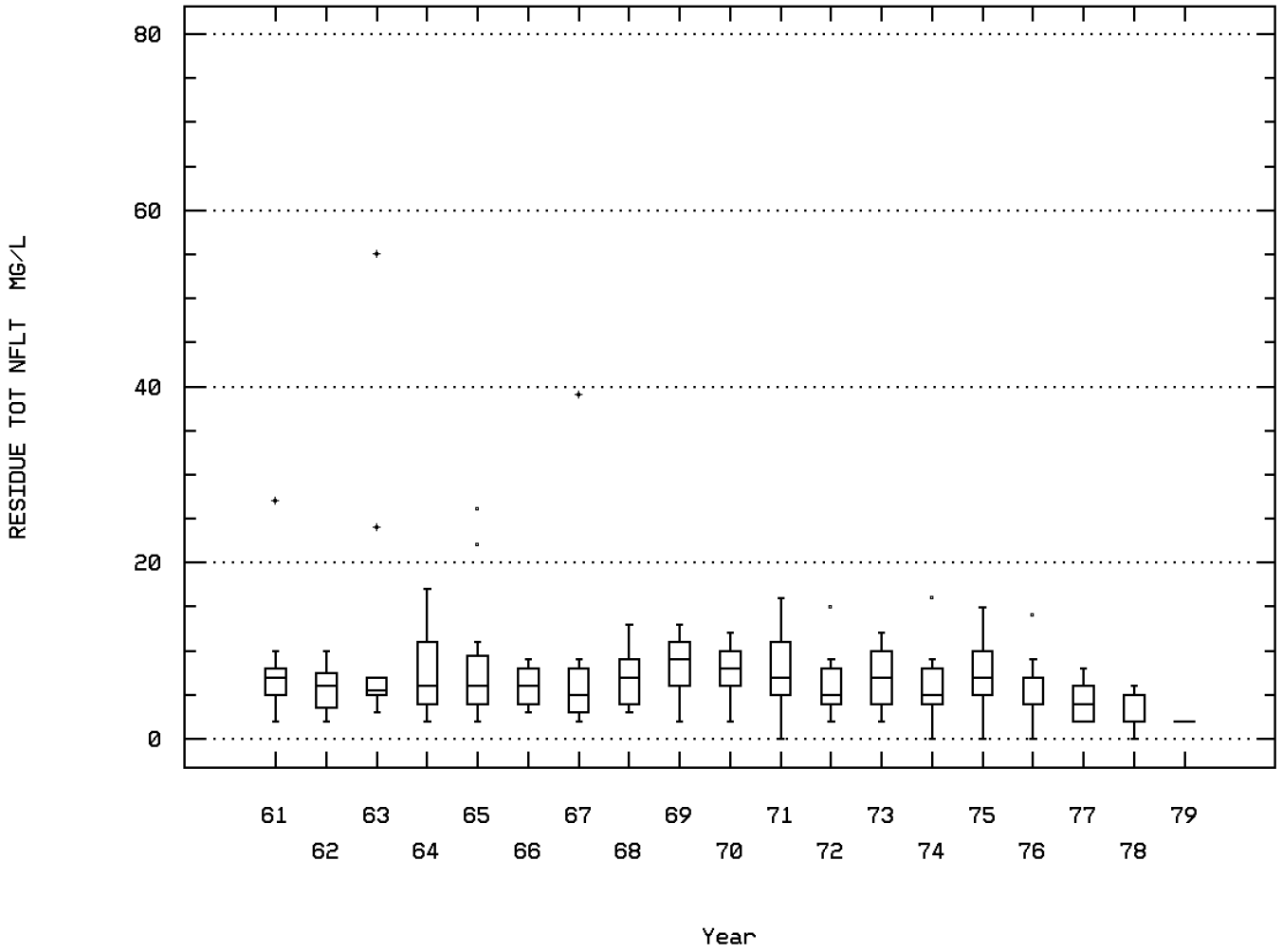
RESIDUE, TOTAL (MG/L)



ST. CROIX RIVER AT PRESCOTT

Station: SACN0390 Parameter Code: 00530

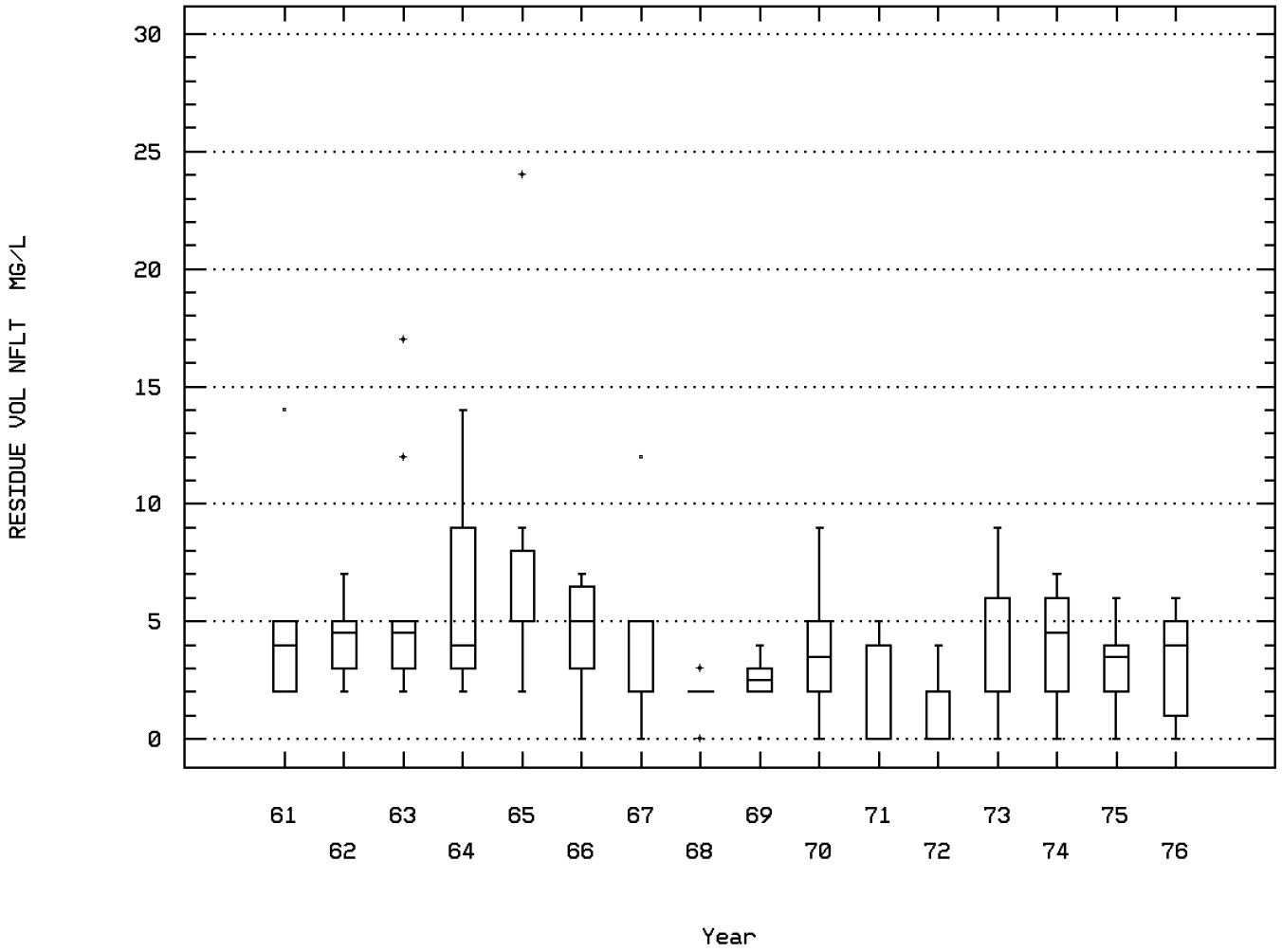
RESIDUE, TOTAL NONFILTRABLE (MG/L)



ST. CROIX RIVER AT PRESCOTT

Station: SACN0390 Parameter Code: 00535

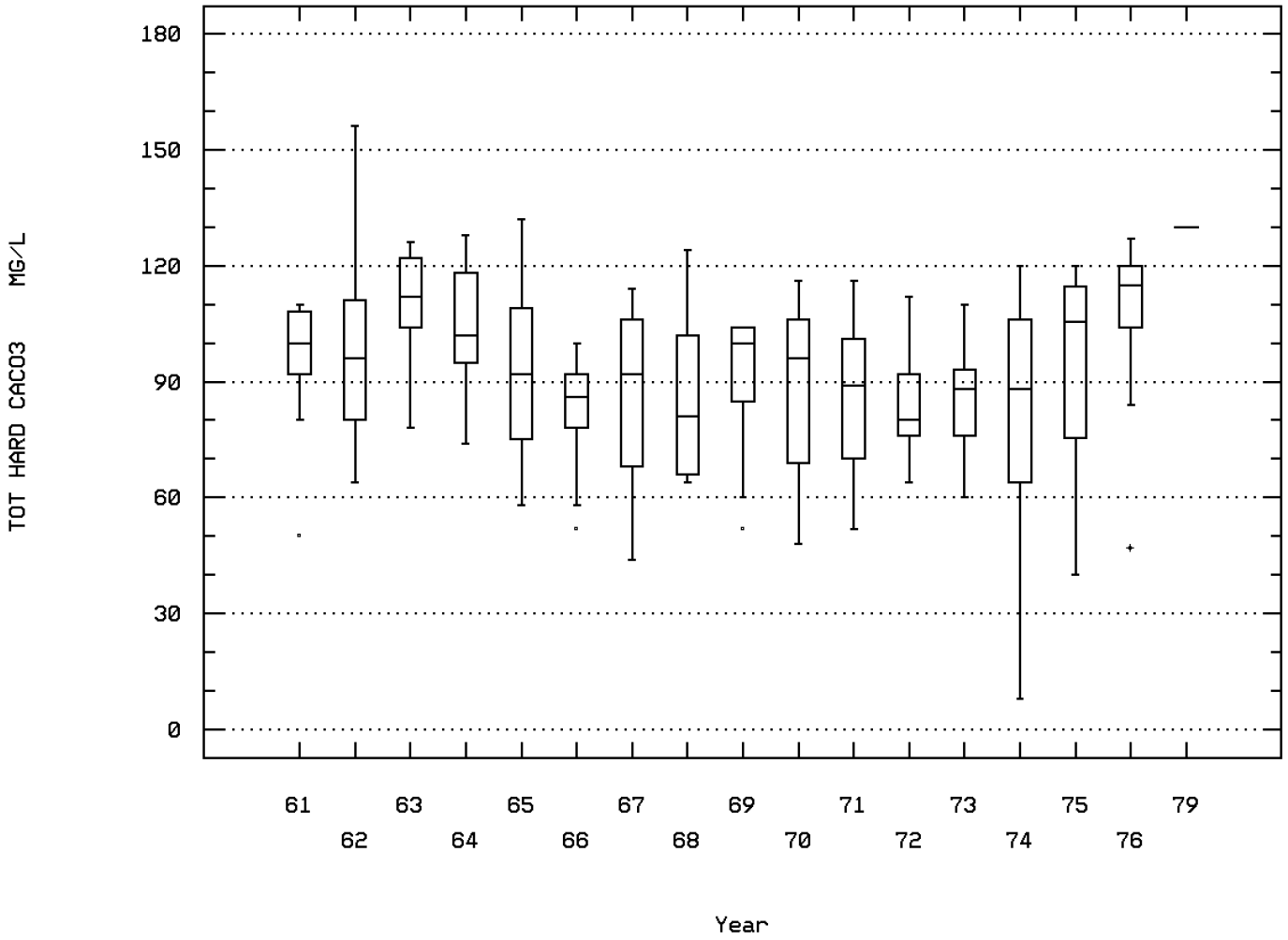
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



ST. CROIX RIVER AT PRESCOTT

Station: SACN0390 Parameter Code: 00900

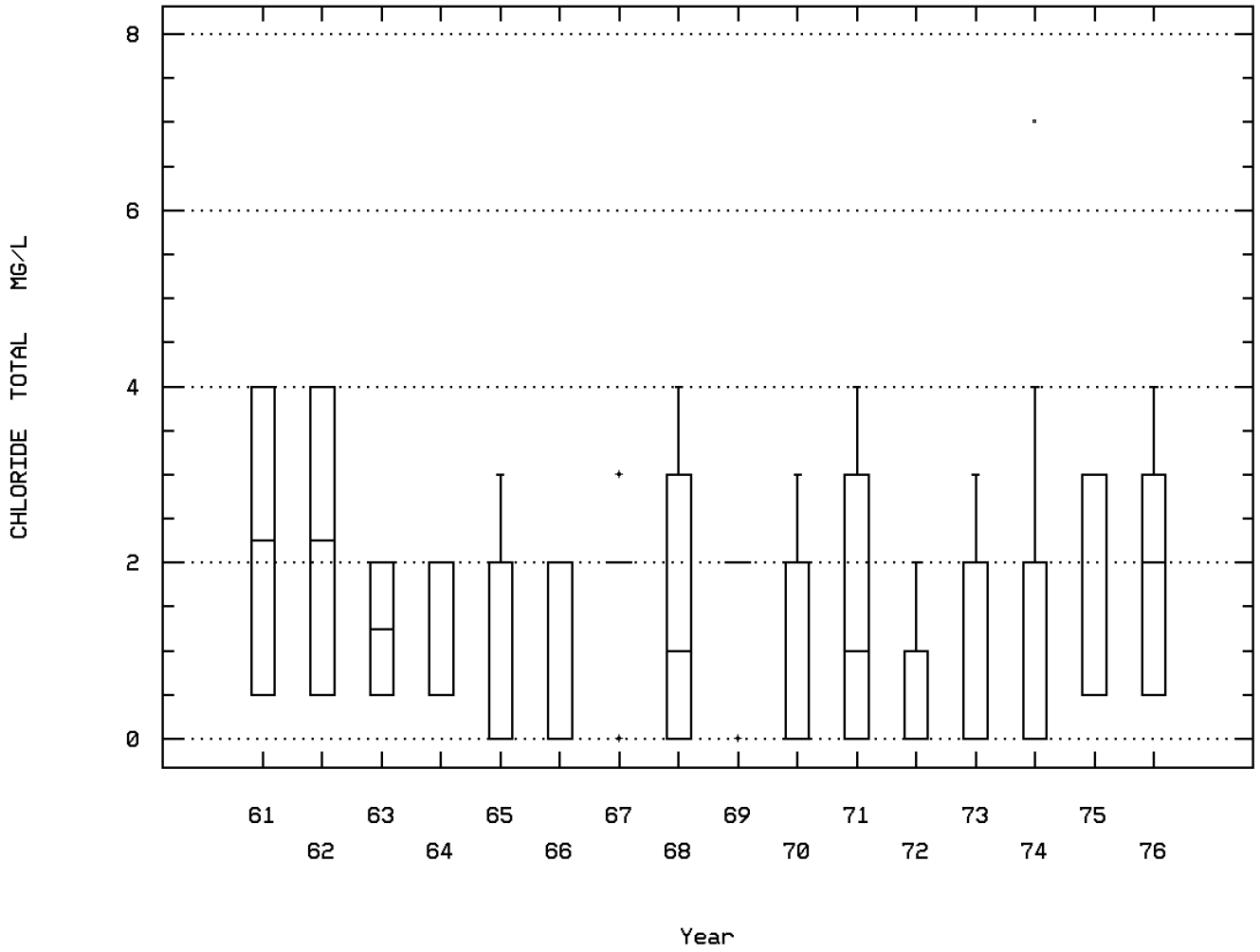
HARDNESS, TOTAL (MG/L AS CACO3)



ST. CROIX RIVER AT PRESCOTT

Station: SACN0390 Parameter Code: 00940

CHLORIDE,TOTAL IN WATER



ST. CROIX RIVER AT PRESCOTT

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	68	16.5	15.134	26.	2.	46.751	6.837	5.	9.25	21.	24.
00060	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	45	3223.	4452.911	19137.	1750.	12860615.356	3586.17	2047.2	2530.5	4620.5	10464.8
00080	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	60	30.	39.217	130.	10.	916.274	30.27	12.1	15.75	53.75	89.
00300	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	68	8.	8.068	12.1	3.5	3.623	1.903	5.67	6.525	9.5	10.91
00310	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	65	2.5	2.477	6.5	0.3	1.617	1.272	0.72	1.6	3.4	4.12
00400	PH (STANDARD UNITS)	04/11/61-02/27/79	68	7.5	7.563	8.5	7.1	0.115	0.339	7.2	7.3	7.8	8.11
00400	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	68	7.5	7.457	8.5	7.1	0.127	0.356	7.2	7.3	7.8	8.11
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	68	0.032	0.035	0.079	0.003	0.	0.021	0.008	0.016	0.05	0.063
00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	17	7.8	7.771	8.2	7.	0.078	0.28	7.32	7.65	7.9	8.12
00403	CONVERTED PH, LAB, STANDARD UNITS	01/24/73-01/24/79	17	7.8	7.662	8.2	7.	0.091	0.302	7.32	7.65	7.9	8.12
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/73-01/24/79	17	0.016	0.022	0.1	0.006	0.	0.022	0.008	0.013	0.023	0.052
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	60	89.	87.35	120.	46.	288.74	16.992	62.4	75.5	99.5	109.9
00500	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	60	136.	140.617	206.	110.	234.478	15.313	124.	132.	146.	156.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	67	7.	7.254	27.	0.	18.192	4.265	2.	5.	9.	11.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	59	3.	3.881	14.	0.	7.589	2.755	1.	2.	5.	7.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/11/61-03/02/77	17	0.54	0.571	0.98	0.3	0.037	0.193	0.332	0.415	0.675	0.948
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/11/61-03/02/77	17	0.11	0.217	1.2	0.06	0.073	0.269	0.068	0.09	0.215	0.528
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/11/61-02/10/76	12	0.29	0.326	0.86	0.03	0.058	0.24	0.045	0.14	0.41	0.806
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/11/61-02/27/79	23	0.07	0.081	0.14	0.04	0.001	0.031	0.054	0.06	0.1	0.14
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/24/73-02/27/79	13	0.033	0.034	0.098	0.009	0.	0.022	0.013	0.022	0.04	0.076
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	60	96.5	95.367	123.	52.	216.134	14.702	76.2	88.	104.	113.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	52	1.	1.135	4.	0.	0.874	0.935	0.	0.5	2.	2.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	30	10.	39.5	140.	5.	2174.741	46.634	5.	8.75	100.	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	30	1.	1.269	2.146	0.699	0.292	0.541	0.699	0.925	2.	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.558								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	52	1.5	1.675	8.	0.	2.224	1.491	0.	1.	2.	3.
00060	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	33	2644.	2869.939	4898.	1687.	751038.934	866.625	1803.	2216.	3450.	4281.
00080	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	44	27.5	32.114	100.	5.	469.359	21.665	10.	15.25	40.	65.
00300	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	51	11.	11.	14.4	8.5	1.97	1.404	9.2	9.8	12.	12.78
00310	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	50	1.4	1.676	4.3	0.5	0.874	0.935	0.72	1.	2.025	2.9
00400	PH (STANDARD UNITS)	04/11/61-02/27/79	50	7.3	7.324	8.1	6.9	0.05	0.224	7.01	7.2	7.4	7.6
00400	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	50	7.3	7.275	8.1	6.9	0.053	0.229	7.01	7.2	7.4	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	50	0.05	0.053	0.126	0.008	0.001	0.024	0.025	0.04	0.063	0.098
00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	12	7.4	7.467	8.2	7.1	0.075	0.274	7.13	7.325	7.575	8.02
00403	CONVERTED PH, LAB, STANDARD UNITS	01/24/73-01/24/79	12	7.4	7.406	8.2	7.1	0.079	0.281	7.13	7.325	7.575	8.02
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/73-01/24/79	12	0.04	0.039	0.079	0.006	0.	0.019	0.012	0.027	0.048	0.075
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	44	100.	98.182	154.	38.	387.129	19.676	72.	92.	110.	118.
00500	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	44	150.	147.136	178.	68.	343.516	18.534	129.	140.	158.	163.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	52	3.5	4.058	16.	0.	10.252	3.202	1.	2.	5.75	7.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	44	2.	2.159	5.	0.	2.23	1.493	0.	1.	3.	4.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/11/61-03/02/77	13	0.37	0.426	0.73	0.05	0.028	0.167	0.154	0.345	0.53	0.682
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/11/61-03/02/77	13	0.15	0.154	0.26	0.07	0.003	0.055	0.078	0.11	0.2	0.244
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/11/61-02/10/76	12	0.36	0.407	0.71	0.24	0.016	0.125	0.252	0.33	0.48	0.644
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/11/61-02/27/79	20	0.045	0.053	0.12	0.02	0.001	0.026	0.021	0.032	0.068	0.089
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/24/73-02/27/79	12	0.021	0.023	0.05	0.008	0.	0.011	0.01	0.016	0.03	0.044
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	45	108.	108.533	156.	64.	243.891	15.617	90.4	100.	117.	127.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	41	2.	1.793	4.	0.	1.187	1.09	0.	1.	2.	3.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	24	12.5	47.917	300.	5.	4728.08	68.761	5.	10.	72.5	135.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	24	1.088	1.346	2.477	0.699	0.288	0.536	0.699	1.	1.852	2.115
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.205								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	26	3.	3.538	7.	0.	4.598	2.144	1.	2.	6.	7.
00060	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	19	4570.	12108.211	50360.	2279.	209694937.731	14480.847	2556.	2996.	17878.	42932.
00080	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	23	30.	33.522	70.	10.	368.897	19.207	10.8	15.	45.	66.
00300	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	24	10.25	10.038	13.8	7.5	2.752	1.659	7.95	8.4	11.15	12.35
00310	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	25	1.6	2.04	8.6	0.5	3.011	1.735	0.56	1.05	2.5	4.44
00400	PH (STANDARD UNITS)	04/11/61-02/27/79	26	7.25	7.288	8.2	6.8	0.082	0.286	6.97	7.175	7.4	7.66
00400	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	26	7.247	7.215	8.2	6.8	0.088	0.296	6.97	7.175	7.4	7.66
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	26	0.057	0.061	0.158	0.006	0.001	0.034	0.022	0.04	0.067	0.108
00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	3	7.9	7.8	7.9	7.6	0.03	0.173	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/24/73-01/24/79	3	7.9	7.776	7.9	7.6	0.031	0.176	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/73-01/24/79	3	0.013	0.017	0.025	0.013	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	23	100.	90.696	124.	34.	714.494	26.73	47.6	67.	112.	121.8
00500	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	23	150.	144.696	198.	94.	573.312	23.944	101.2	132.	158.	166.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	26	6.5	10.615	55.	2.	150.886	12.284	2.	3.	12.25	29.9
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	23	2.	4.087	24.	0.	35.447	5.954	0.	0.	5.	15.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/11/61-03/02/77	12	0.42	0.532	1.54	0.3	0.113	0.336	0.303	0.353	0.57	1.267
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/11/61-03/02/77	12	0.17	0.22	0.73	0.1	0.029	0.171	0.1	0.125	0.248	0.592
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/11/61-02/10/76	10	0.54	0.501	0.68	0.2	0.024	0.154	0.212	0.38	0.633	0.676
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/11/61-02/27/79	14	0.075	0.119	0.6	0.02	0.022	0.148	0.02	0.055	0.12	0.4
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/24/73-02/27/79	5	0.013	0.026	0.048	0.009	0.	0.02	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	23	107.	97.174	126.	44.	629.877	25.097	55.2	76.	118.	123.2
00940	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	22	1.5	1.864	4.	0.5	1.338	1.157	0.65	1.	3.	4.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	10	12.5	127.	1000.	5.	95512.222	309.051	5.	5.	100.	910.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	10	1.088	1.357	3.	0.699	0.568	0.754	0.699	0.699	2.	2.9
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.772								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/61-02/27/79	66	22.	19.492	29.	2.	41.981	6.479	8.85	16.	25.	25.3
00060	FLOW, STREAM, MEAN DAILY CFS	04/11/61-09/25/73	43	5300.	7394.977	31853.	2040.	44746877.88	6689.311	2243.2	3173.	9128.	14050.
00080	COLOR (PLATINUM-COBALT UNITS)	04/11/61-12/15/76	58	56.5	61.741	140.	18.	692.581	26.317	30.	43.75	73.25	106.4
00300	OXYGEN, DISSOLVED MG/L	04/11/61-02/27/79	66	8.45	8.447	13.7	3.4	3.815	1.953	6.2	7.25	9.55	10.93
00310	BOD, 5 DAY, 20 DEG C MG/L	04/11/61-02/27/79	63	2.5	2.786	7.3	0.5	2.118	1.455	1.1	1.7	3.8	4.38
00400	PH (STANDARD UNITS)	04/11/61-02/27/79	66	7.5	7.623	8.7	6.9	0.197	0.443	7.2	7.275	7.9	8.3
00400	CONVERTED PH (STANDARD UNITS)	04/11/61-02/27/79	66	7.5	7.453	8.7	6.9	0.226	0.475	7.2	7.275	7.9	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/61-02/27/79	66	0.032	0.035	0.126	0.002	0.001	0.027	0.005	0.013	0.053	0.063
00403	PH, LAB, STANDARD UNITS SU	01/24/73-01/24/79	17	7.6	7.594	8.1	7.	0.096	0.309	7.	7.4	7.8	8.02
00403	CONVERTED PH, LAB, STANDARD UNITS	01/24/73-01/24/79	17	7.6	7.482	8.1	7.	0.109	0.33	7.	7.4	7.8	8.02
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/24/73-01/24/79	17	0.025	0.033	0.1	0.008	0.001	0.028	0.01	0.016	0.041	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/11/61-12/15/76	59	64.	69.729	148.	30.	433.373	20.818	48.	56.	82.	96.
00500	RESIDUE, TOTAL (MG/L)	04/11/61-12/15/76	59	124.	125.492	180.	90.	333.599	18.265	102.	114.	136.	146.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/61-02/27/79	65	6.	6.815	24.	0.	15.715	3.964	2.	4.5	9.	11.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/11/61-12/15/76	58	3.	3.517	14.	0.	8.815	2.969	0.	1.	5.	7.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/11/61-03/02/77	17	0.77	0.761	1.23	0.44	0.043	0.207	0.448	0.625	0.85	1.15
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/11/61-03/02/77	16	0.115	0.118	0.27	0.005	0.004	0.067	0.016	0.073	0.155	0.221
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/11/61-02/10/76	13	0.16	0.165	0.24	0.02	0.006	0.076	0.036	0.095	0.24	0.24
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/11/61-02/27/79	21	0.05	0.06	0.16	0.01	0.002	0.04	0.02	0.03	0.08	0.12
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/24/73-02/27/79	13	0.007	0.018	0.083	0.001	0.001	0.024	0.001	0.002	0.025	0.068
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/11/61-02/27/79	59	76.	75.441	124.	8.	378.837	19.464	52.	64.	86.	100.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/11/61-12/15/76	46	0.5	0.63	7.	0.	1.26	1.123	0.	0.	1.	1.3
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	26	7.5	26.077	100.	3.	1382.154	37.177	5.	5.	21.25	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/21/65-11/27/73	26	0.849	1.072	2.	0.477	0.263	0.513	0.699	0.699	1.325	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.796								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0391

NPS Station ID: SACN0391
LAT/LON: 45.156948/ -92.804170
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: SQUARE 3 MI S OF MARINE
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0046 /SQR
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 85.0 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: 9.1 M MAX DEPTH: 20.7 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
AREA: 85 HA SHORE L: 2.32 MI ECOL CLASS: 5-1979 - AV DEPTH: 9.1 M USE OF SHORELINE: MGMT CLASS: 1-1979 4-1952 -
MX DEPTH: 20.7M FOR 30% AGR 5% ROUGHFISH: 1 LANDSAT TYPE: - VOL: 7.49E06 M3 MUN 65% MRSH 0% WQ INDEX: - CHLOR IND: -
LITTORAL: 33 % # DWELL: 40-1979 SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0391

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0392

NPS Station ID: SACN0392 | LAT/LON: 45.156948/ -92.804170 | Agency: 21MINNL | Date Created: 04/12/80
Location: LAKE: SQUARE 3 MI S OF MARINE | FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO | STORET Station ID(s): 82-0046 /SQR
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: AREA: 85.0 HECTARE M | Elevation: 0 | Water Body Id:
Minor Basin: MEAN DEPTH: 9.1 M MAX DEPTH: 20.7 M | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 13.70 | On/Off RF1:
RF3 Index: 07030005101400.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.07 | On/Off RF3:
Description:
AREA: 85 HA SHORE L: 2.32 MI ECOL CLASS: 5-1979 - AV DEPTH: 9.1 M USE OF SHORELINE: MGMT CLASS: 1-1979 4-1952 -
MX DEPTH: 20.7M FOR 30% AGR 5% ROUGHFISH: 1 LANDSAT TYPE: - VOL: 7.49E06 M3 MUN 65% MRSH 0% WQ INDEX: - CHLOR IND: -
LITTORAL: 33 % # DWELL: 40-1979 SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/80-10/16/85	1044	12.	13.449	27.	2.	42.933	6.552	6.	7.5	19.	23.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/29/79-06/29/79	13	66.4	60.792	71.6	44.4	124.506	11.158	44.56	47.3	70.15	71.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/23/72-08/11/80	6	0.95	1.033	1.8	0.5	0.195	0.441	**	**	**	**
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	261	7.01	6.995	11.	3.66	1.478	1.216	5.49	6.225	7.86	8.5
00080	COLOR (PLATINUM-COBALT UNITS)	05/31/78-09/05/85	8	5.	4.688	5.	2.5	0.781	0.884	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/27/82-10/13/82	224	285.	288.348	420.	205.	1403.537	37.464	245.	261.25	310.	337.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	102	260.	261.029	335.	195.	697.197	26.404	230.	240.	275.	298.5
00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	1054	8.2	6.784	15.4	0.	12.369	3.517	0.4	4.4	9.2	10.1
00400	PH (STANDARD UNITS)	02/23/72-05/31/78	3	7.9	8.	8.3	7.8	0.07	0.265	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/23/72-05/31/78	3	7.9	7.953	8.3	7.8	0.073	0.271	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/72-05/31/78	3	0.013	0.011	0.016	0.005	0.	0.006	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/13/80-10/16/85	212	8.	7.982	9.1	6.9	0.252	0.502	7.3	7.6	8.4	8.7
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/80-10/16/85	212	8.	7.717	9.1	6.9	0.322	0.568	7.3	7.6	8.4	8.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/80-10/16/85	212	0.01	0.019	0.126	0.001	0.	0.021	0.002	0.004	0.025	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/23/72-09/05/85	20	120.5	124.05	140.	110.	84.155	9.174	112.3	118.25	133.	138.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/78-08/11/80	3	1.	2.	4.	1.	3.	1.732	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/31/78-08/11/80	3	0.8	0.767	1.	0.5	0.063	0.252	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	02/23/72-02/23/72	2	0.375	0.375	0.65	0.1	0.151	0.389	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/31/78-07/29/80	2	0.585	0.585	0.73	0.44	0.042	0.205	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/78-09/05/85	18	0.075	0.079	0.16	0.03	0.002	0.04	0.039	0.04	0.1	0.16
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/27/82-08/26/82	4 ##	0.005	0.006	0.01	0.005	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/23/72-08/26/82	5	0.05	0.14	0.55	0.025	0.053	0.23	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/23/72-10/16/85	106	0.35	0.432	1.37	0.025	0.061	0.247	0.24	0.3	0.5	0.779
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/78-09/05/85	18 ##	0.025	0.043	0.15	0.01	0.002	0.039	0.019	0.025	0.05	0.123
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	212	0.01	0.022	0.18	0.003	0.001	0.03	0.005	0.01	0.02	0.04
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	02/23/72-10/13/82	27	0.01	0.012	0.03	0.003	0.	0.006	0.005	0.008	0.015	0.02
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/80-07/10/80	1	122.	122.	122.	122.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/09/85-09/05/85	3	27.5	26.333	29.5	22.	15.083	3.884	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/09/85-09/05/85	3	14.5	14.933	17.1	13.2	3.943	1.986	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/09/85-09/05/85	3	3.6	14.633	37.	3.3	375.223	19.371	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/09/85-09/05/85	3	1.	1.03	1.15	0.94	0.012	0.108	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	02/23/72-08/11/80	5	3.	3.6	5.	3.	0.8	0.894	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/09/85-09/05/85	3	3.	3.333	4.	3.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/23/72-02/23/72	2	17.5	17.5	20.	15.	12.5	3.536	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/09/85-09/05/85	3	5.	4.6	5.8	3.	2.08	1.442	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/11/80-08/11/80	2	8.	8.	9.	7.	2.	1.414	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/11/80-08/11/80	2	24.5	24.5	29.	20.	40.5	6.364	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/11/80-08/11/80	2	0.05	0.05	0.08	0.02	0.002	0.042	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/11/80-08/11/80	2	0.13	0.13	0.2	0.06	0.01	0.099	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/11/80-08/11/80	2	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/11/80-08/11/80	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/11/80-08/11/80	2 ##	112.5	112.5	200.	25.	15312.5	123.744	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/11/80-08/11/80	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/11/80-08/11/80	2 ##	325.	325.	640.	10.	198450.	445.477	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/11/80-08/11/80	2	16.5	16.5	19.	14.	12.5	3.536	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/11/80-08/11/80	2	13.	13.	13.	13.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/11/80-08/11/80	2	29.	29.	40.	18.	242.	15.556	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/29/82-10/13/82	16 ##	0.5	0.938	4.	0.5	0.829	0.911	0.5	0.5	1.	2.6
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/29/82-10/13/82	16 ##	-0.301	-0.132	0.602	-0.301	0.072	0.269	-0.301	-0.301	0.	0.391
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			0.738								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/29/82-10/13/82	16	2.	5.875	62.	0.5	227.117	15.07	0.5	0.625	3.5	22.8
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/29/82-10/13/82	16	0.301	0.285	1.792	-0.301	0.293	0.541	-0.301	-0.226	0.527	1.082
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.926								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/13/80-10/16/85	107	2.1	2.552	9.4	0.2	3.382	1.839	0.76	1.4	3.2	4.62
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/31/78-07/29/80	2	0.95	0.95	1.	0.9	0.005	0.071	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/31/78-05/31/78	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/11/80-08/11/80	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	07/29/80-10/16/85	2	40.15	40.15	62.	18.3	954.845	30.901	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	09/11/84-09/05/85	8	19.15	18.963	19.3	18.2	0.206	0.453	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0392

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	6	0	0.00				2	0	0.00				4	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1054	253	0.24	318	111	0.35	2	0	0.00				734	142	0.19
00400	PH	Other-Hi Lim.	9.	3	0	0.00				2	0	0.00				1	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00				2	0	0.00				1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	212	2	0.01	62	0	0.00	4	0	0.00				146	2	0.01
		Other-Lo Lim.	6.5	212	0	0.00	62	0	0.00	4	0	0.00				146	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	1	0	0.00							3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00	1	0	0.00	1	0	0.00				3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	18	0	0.00	5	0	0.00							13	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00				2	0	0.00				3	0	0.00
		Drinking Water	250.	5	0	0.00				2	0	0.00				3	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00							2	0	0.00
		Drinking Water	250.	3	0	0.00	1	0	0.00							2	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				2	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00							2	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00										2	0	0.00
		Drinking Water	50.	2	0	0.00										2	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00										2	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00										2	0	0.00
		Drinking Water	5.	2	0	0.00										2	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00										2	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00										2	0	0.00
		Drinking Water	1300.	2	0	0.00										2	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00										2	0	0.00
		Drinking Water	15.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

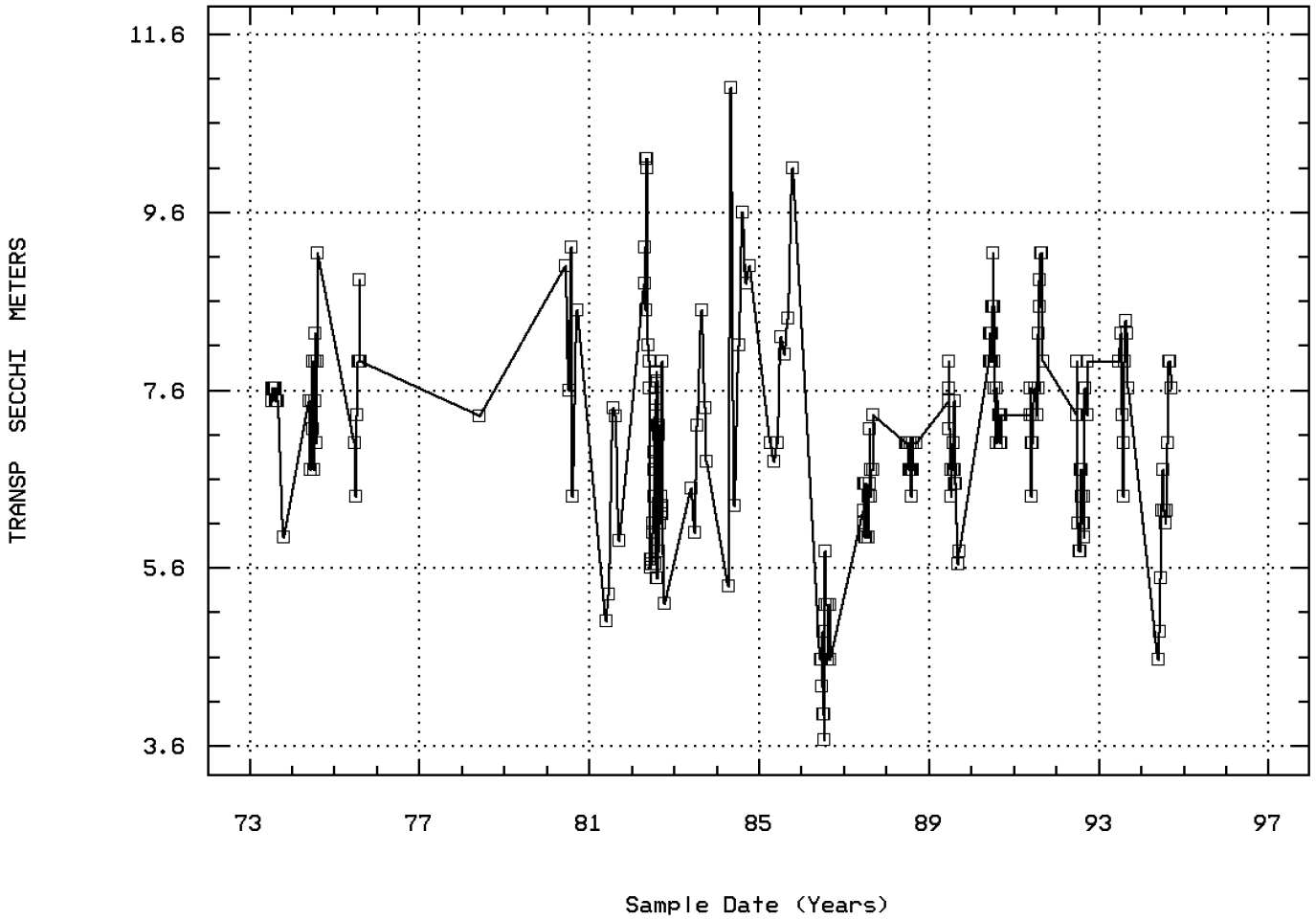
EPA Water Quality Criteria Analysis for Station: SACN0392

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00										2	0	0.00
		Drinking Water	100.	2	0	0.00										2	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00										2	0	0.00
		Drinking Water	5000.	2	0	0.00										2	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	16	0	0.00	4	0	0.00	1	0	0.00				11	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00										2	0	0.00
		Drinking Water	2.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: SACN0392 Parameter Code: 00078

TRANSPARENCY, SECCHI DISC (METERS)



LAKE: SQUARE 3 MI S OF MAR

Annual Analysis for 1972 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	2	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	9	7.47	7.367	7.62	5.94	0.292	0.54	5.94	7.47	7.62	7.62

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	12	7.47	7.594	9.14	6.71	0.477	0.691	6.71	7.047	7.92	8.867

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	8	7.62	7.466	8.84	6.4	0.715	0.846	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	1	0.022	0.022	0.022	0.022	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	13	8.9	7.431	9.4	0.9	9.247	3.041	1.1	6.25	9.3	9.36

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/80-10/16/85	43	17.	17.221	27.	4.	58.432	7.644	6.5	9.	24.5	25.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	5	8.5	8.14	9.2	6.4	1.328	1.152	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	10	265.	270.	325.	225.	1455.556	38.152	225.5	233.75	303.75	324.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	43	8.2	8.112	15.4	0.5	12.117	3.481	2.12	7.6	9.	13.56
00403	PH, LAB, STANDARD UNITS SU	06/13/80-10/16/85	9	8.1	7.8	8.5	7.1	0.34	0.583	7.1	7.2	8.3	8.5
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/80-10/16/85	9	8.1	7.502	8.5	7.1	0.44	0.663	7.1	7.2	8.3	8.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/80-10/16/85	9	0.008	0.031	0.079	0.003	0.001	0.032	0.003	0.005	0.063	0.079
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	5	0.02	0.025	0.06	0.005	0.	0.022	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/13/80-10/16/85	4	1.55	1.55	2.1	1.	0.337	0.58	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/80-10/16/85	98	11.25	13.862	24.	8.	29.818	5.461	8.5	9.	19.	23.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	5	5.9	6.18	7.4	5.	1.247	1.117	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	10	242.5	240.	285.	195.	844.444	29.059	196.	208.75	262.5	283.5
00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	98	8.	5.848	12.	0.1	16.389	4.048	0.2	0.675	9.025	10.11
00403	PH, LAB, STANDARD UNITS SU	06/13/80-10/16/85	10	7.75	7.79	8.5	7.	0.319	0.565	7.02	7.35	8.4	8.49
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/80-10/16/85	10	7.622	7.509	8.5	7.	0.406	0.637	7.02	7.35	8.4	8.49
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/80-10/16/85	10	0.024	0.031	0.1	0.003	0.001	0.032	0.003	0.004	0.046	0.096
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	9	0.018	0.04	0.14	0.003	0.003	0.051	0.003	0.004	0.079	0.14
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/13/80-10/16/85	4	3.1	3.125	4.5	1.8	1.383	1.176	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/80-10/16/85	522	13.5	14.251	26.	2.	44.19	6.648	6.	7.875	20.	23.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	44	6.4	6.921	10.2	5.2	1.799	1.341	5.545	5.843	7.775	9.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	4	260.	260.	260.	260.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	519	8.4	7.253	12.8	0.	9.901	3.147	1.2	6.1	9.2	10.2
00403	PH, LAB, STANDARD UNITS SU	06/13/80-10/16/85	116	8.	8.002	8.8	7.1	0.272	0.521	7.3	7.5	8.5	8.7
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/80-10/16/85	116	8.	7.721	8.8	7.1	0.351	0.593	7.3	7.5	8.5	8.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/80-10/16/85	116	0.01	0.019	0.079	0.002	0.	0.021	0.002	0.003	0.032	0.05
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	118	0.01	0.019	0.13	0.005	0.	0.018	0.008	0.01	0.02	0.031
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/13/80-10/16/85	60	2.	2.507	9.4	0.2	4.265	2.065	0.5	1.425	2.95	5.48

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/80-10/16/85	110	12.75	12.886	27.	5.	41.842	6.469	6.	7.	15.	25.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	6	7.	7.067	8.5	6.	0.743	0.862	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	22	262.5	258.864	335.	220.	742.695	27.252	226.5	235.	271.25	292.
00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	110	7.65	5.987	11.1	0.1	13.301	3.647	0.2	1.825	8.525	10.
00403	PH, LAB, STANDARD UNITS SU	06/13/80-10/16/85	22	8.15	8.045	8.6	7.2	0.177	0.421	7.53	7.6	8.5	8.5
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/80-10/16/85	22	8.147	7.851	8.6	7.2	0.216	0.465	7.53	7.6	8.5	8.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/80-10/16/85	22	0.007	0.014	0.063	0.003	0.	0.014	0.003	0.003	0.025	0.03
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	22	0.01	0.026	0.13	0.005	0.002	0.041	0.005	0.01	0.015	0.127
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/13/80-10/16/85	12	2.85	3.425	7.8	1.4	4.597	2.144	1.46	1.85	3.725	7.74

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/80-10/16/85	134	9.	11.567	25.	5.	31.469	5.61	6.	8.	13.5	22.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	7	8.8	8.314	11.	5.4	3.695	1.922	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	28	265.	264.643	300.	230.	344.312	18.556	234.5	255.	275.	291.
00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	134	8.4	6.748	12.6	0.1	13.948	3.735	0.3	3.825	9.8	10.05
00403	PH, LAB, STANDARD UNITS SU	06/13/80-10/16/85	28	8.1	8.05	8.7	7.5	0.137	0.37	7.6	7.7	8.375	8.6
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/80-10/16/85	28	8.1	7.913	8.7	7.5	0.156	0.395	7.6	7.7	8.375	8.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/80-10/16/85	28	0.008	0.012	0.032	0.002	0.	0.009	0.003	0.004	0.02	0.025
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	28	0.02	0.03	0.18	0.005	0.002	0.042	0.005	0.01	0.03	0.105
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/13/80-10/16/85	13	2.8	2.508	4.4	0.5	1.547	1.244	0.5	1.5	3.55	4.16

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/80-10/16/85	137	8.	11.208	24.5	4.5	40.451	6.36	5.5	6.5	17.	21.5
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	7	8.	7.929	10.1	6.8	1.336	1.156	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	27	260.	263.704	315.	200.	728.063	26.983	224.	250.	285.	302.
00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	137	7.6	5.874	10.8	0.1	14.096	3.754	0.3	1.65	8.85	9.8
00403	PH, LAB, STANDARD UNITS SU	06/13/80-10/16/85	27	7.8	7.907	9.1	6.9	0.3	0.548	7.28	7.5	8.2	8.7
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/80-10/16/85	27	7.8	7.639	9.1	6.9	0.375	0.612	7.28	7.5	8.2	8.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/80-10/16/85	27	0.016	0.023	0.126	0.001	0.001	0.027	0.002	0.006	0.032	0.053
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	27	0.01	0.02	0.17	0.005	0.001	0.036	0.005	0.005	0.01	0.06
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/13/80-10/16/85	14	1.9	2.164	4.7	1.	1.219	1.104	1.05	1.3	2.775	4.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	18	4.57	4.656	5.79	3.66	0.271	0.52	3.93	4.495	5.18	5.241

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	16	6.55	6.476	7.32	5.94	0.159	0.399	5.94	6.137	6.67	7.208

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	17	7.01	6.886	7.01	6.4	0.035	0.187	6.648	6.71	7.01	7.01

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	18	6.71	6.731	7.92	5.64	0.498	0.706	5.64	6.248	7.47	7.65

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	24	7.92	7.797	9.14	7.01	0.328	0.573	7.01	7.32	8.23	8.53

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	20	7.62	7.909	9.14	6.4	0.686	0.828	7.01	7.32	8.762	9.14

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	22	6.25	6.554	7.92	5.79	0.544	0.737	5.79	5.94	7.32	7.83

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	10	7.92	7.695	8.38	6.4	0.387	0.622	6.461	7.243	8.23	8.365

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

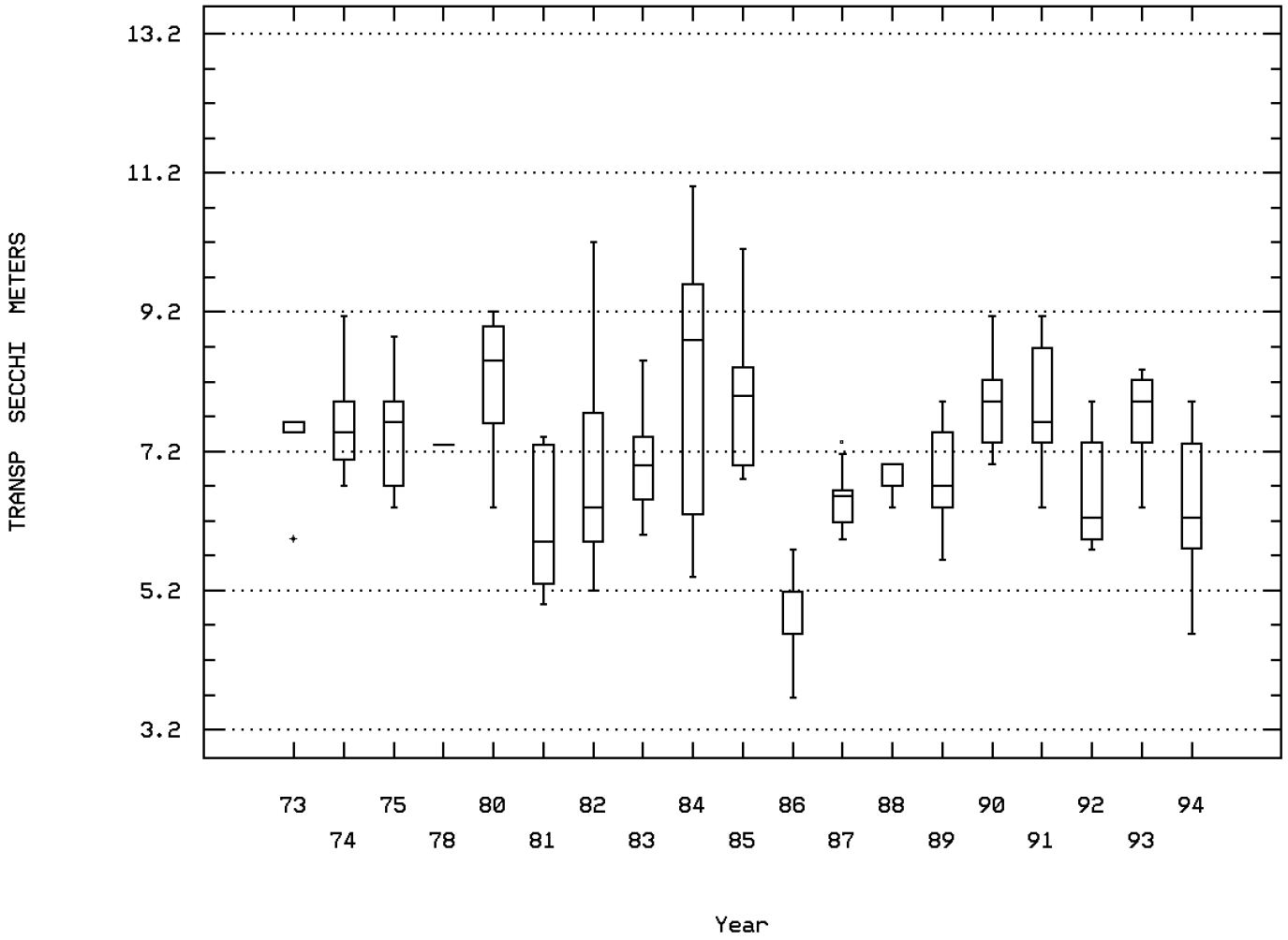
Annual Analysis for 1994 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	12	6.25	6.414	7.92	4.57	1.202	1.096	4.663	5.643	7.468	7.92

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0392 Parameter Code: 00078

TRANSPARENCY, SECCHI DISC (METERS)



LAKE: SQUARE 3 MI S OF MAR

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	75	7.01	6.973	10.1	4.57	1.473	1.214	5.2	6.1	7.92	8.62
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	33	255.	256.061	335.	195.	1168.371	34.181	211.	230.	282.5	309.
00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	318	7.8	5.523	10.6	0.	13.868	3.724	0.2	0.5	8.4	9.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/23/72-10/16/85	29	0.32	0.423	1.1	0.025	0.068	0.261	0.12	0.3	0.52	0.95
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	61	0.01	0.036	0.18	0.005	0.002	0.049	0.005	0.01	0.03	0.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	4	260.	260.	260.	260.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	2	12.5	12.5	12.8	12.2	0.18	0.424	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/23/72-10/16/85	4	0.17	0.17	0.24	0.1	0.007	0.081	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	8	0.011	0.013	0.02	0.01	0.	0.004	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0392

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/13/73-09/18/94	186	7.01	7.004	11.	3.66	1.488	1.22	5.49	6.375	7.83	8.311
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/78-10/16/85	65	265.	263.615	325.	210.	496.49	22.282	235.	250.	275.	297.
00300	OXYGEN, DISSOLVED MG/L	06/29/79-10/16/85	734	8.4	7.315	15.4	0.1	10.71	3.273	1.25	5.375	9.6	10.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/23/72-10/16/85	73	0.4	0.45	1.37	0.2	0.058	0.241	0.25	0.3	0.5	0.788
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/23/72-10/16/85	143	0.01	0.017	0.1	0.003	0.	0.013	0.005	0.01	0.02	0.03

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0393

NPS Station ID: SACN0393
LAT/LON: 44.749170/ -92.804448
Agency: 112WRD
Date Created: 12/29/77
Location: ST. CROIX RIVER AT PRESCOTT, WI
FIPS State/County: 55093 WISCONSIN/PIERCE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05344490
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07010206
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 0.520
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07040001041001.38
RF3 Mile Point: 2.84
Distance from RF3: 0.84
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0393

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/22/77-09/08/81	44	11.75	12.159	25.	0.	75.311	8.678	0.25	3.125	21.	23.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/22/77-05/08/80	32	16.	11.797	29.5	-16.	115.191	10.733	1.4	9.	20.75	29.05
00060	FLOW, STREAM, MEAN DAILY CFS	02/22/77-09/08/81	45	3790.	5084.889	27300.	1800.	19352539.192	4399.152	2210.	2785.	5865.	10220.
00080	COLOR (PLATINUM-COBALT UNITS)	02/22/77-09/25/79	33	50.	55.212	250.	8.	2461.36	49.612	10.	20.	75.	112.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/22/77-09/08/81	44	190.	199.295	306.	87.	2532.26	50.322	137.5	170.25	223.75	280.
00300	OXYGEN, DISSOLVED MG/L	02/22/77-09/08/81	43	8.8	8.751	13.3	5.4	3.895	1.974	6.28	7.2	9.9	11.82
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/22/77-09/08/81	43	82.	81.36	109.	62.	162.635	12.753	65.	70.	91.	100.
00400	PH (STANDARD UNITS)	02/22/77-09/08/81	44	7.7	7.705	8.5	6.6	0.188	0.434	7.15	7.3	8.	8.25
00400	CONVERTED PH (STANDARD UNITS)	02/22/77-09/08/81	44	7.7	7.484	8.5	6.6	0.238	0.488	7.15	7.3	8.	8.25
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/22/77-09/08/81	44	0.02	0.033	0.251	0.003	0.002	0.042	0.006	0.01	0.05	0.071
00405	CARBON DIOXIDE (MG/L AS CO2)	02/22/77-09/25/79	33	3.	5.582	29.	0.6	36.468	6.039	0.94	1.5	8.	13.6
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/22/77-09/25/79	33	90.	86.576	132.	31.	520.002	22.804	55.	72.	110.	110.
00440	BICARBONATE ION (MG/L AS HCO3)	02/22/77-08/09/79	32	110.	105.563	161.	38.	819.028	28.619	67.	85.75	130.	140.
00445	CARBONATE ION (MG/L AS CO3)	02/22/77-08/09/79	32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/30/77-08/30/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	02/06/78-02/06/78	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/22/77-09/08/81	22	0.	0.002	0.01	0.	0.	0.003	0.	0.	0.001	0.008
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/22/77-09/25/79	33	93.	94.394	140.	0.	779.809	27.925	66.4	81.	120.	126.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/22/77-09/25/79	33	11.	10.061	18.	0.	30.746	5.545	0.	6.	14.	16.6
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/22/77-08/09/79	32	24.5	24.638	34.	9.4	29.199	5.404	17.3	21.25	28.	31.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/22/77-08/09/79	32	8.35	8.6	13.	3.5	5.042	2.245	5.86	7.025	11.	11.
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/22/77-08/09/79	32	3.45	3.459	4.9	1.8	0.48	0.693	2.73	3.	3.95	4.4
00931	SODIUM ADSORPTION RATIO	02/22/77-08/09/79	32	0.2	0.153	0.2	0.1	0.003	0.051	0.1	0.1	0.2	0.2
00932	SODIUM, PERCENT	02/22/77-08/09/79	32	7.	7.188	9.	6.	0.738	0.859	6.	7.	8.	8.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/22/77-08/09/79	32	1.3	1.391	2.5	1.	0.1	0.317	1.1	1.2	1.5	1.7
00940	CHLORIDE,TOTAL IN WATER MG/L	02/22/77-09/25/79	33	4.	4.333	7.	2.	0.917	0.957	3.	4.	5.	5.6
00945	SULFATE, TOTAL (MG/L AS SO4)	02/22/77-09/25/79	33	8.	7.758	14.	5.	4.689	2.166	5.	6.	9.	11.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/22/77-09/08/81	36	0.1	0.107	0.4	0.05	0.003	0.055	0.085	0.1	0.1	0.1
00951	FLUORIDE, TOTAL (MG/L AS F)	02/22/77-09/08/81	22	0.1	0.505	5.	0.	1.376	1.173	0.	0.1	0.225	2.27
01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/22/77-09/08/81	17	1.	1.059	2.	0.5	0.153	0.391	0.5	1.	1.	2.
01001	ARSENIC, SUSPENDED (UG/L AS AS)	02/22/77-09/08/81	11 ##	0.5	0.5	1.	0.	0.05	0.224	0.1	0.5	0.5	0.9
01002	ARSENIC, TOTAL (UG/L AS AS)	02/22/77-09/08/81	23	1.	1.217	3.	0.	0.428	0.654	0.5	1.	2.	2.
01005	BARIUM, DISSOLVED (UG/L AS BA)	02/22/77-09/08/81	17 ##	50.	62.353	200.	20.	1619.118	40.238	36.	50.	50.	120.
01006	BARIUM, SUSPENDED (UG/L AS BA)	02/22/77-09/08/81	16	0.	29.375	300.	0.	5912.917	76.895	0.	0.	22.5	160.
01007	BARIUM, TOTAL (UG/L AS BA)	02/22/77-09/08/81	23 ##	50.	70.652	300.	0.	4071.146	63.806	25.	50.	100.	160.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/18/80-09/08/81	2 ##	2.5	2.5	5.	0.	12.5	3.536	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	11/14/79-09/08/81	8	0.	3.125	10.	0.	20.982	4.581	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/22/77-09/08/81	17	50.	48.059	100.	7.	580.309	24.09	9.4	30.	65.	76.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0393

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01021	BORON, SUSPENDED (UG/L AS B)	02/22/77-09/08/81	16	5.	9.375	40.	0.	166.25	12.894	0.	0.	10.	33.
01022	BORON, TOTAL (UG/L AS B)	02/22/77-09/08/81	23	60.	52.043	100.	7.	593.316	24.358	20.	30.	70.	80.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/22/77-09/08/81	17	1.	2.029	6.	0.	4.265	2.065	0.	0.25	3.5	6.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	02/22/77-08/09/79	15	1.	2.033	5.	0.	4.874	2.208	0.	0.	4.5	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	02/22/77-09/08/81	23	4.	4.196	10.	0.	14.153	3.762	0.	0.5	6.	10.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/22/77-09/18/80	16 ##	1.5	3.25	10.	0.	17.	4.123	0.	0.	8.25	10.
01031	CHROMIUM, SUSPEND (UG/L AS CR)	02/22/77-08/09/79	15	8.	11.6	38.	0.	189.829	13.778	0.	0.	20.	37.4
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/18/80-09/18/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/22/77-09/08/81	23	10.	12.957	40.	0.	126.771	11.259	0.	4.	20.	36.
01035	COBALT, DISSOLVED (UG/L AS CO)	02/22/77-08/09/79	15 ##	0.	0.2	1.	0.	0.171	0.414	0.	0.	0.	1.
01036	COBALT, SUSPENDED (UG/L AS CO)	02/22/77-08/09/79	15	0.	8.367	25.	0.	146.517	12.104	0.	0.	25.	25.
01037	COBALT, TOTAL (UG/L AS CO)	02/22/77-08/09/79	15 ##	1.	16.867	50.	0.	588.267	24.254	0.	0.	50.	50.
01040	COPPER, DISSOLVED (UG/L AS CU)	02/22/77-09/08/81	17	1.	1.588	4.	0.	1.257	1.121	0.	1.	2.	4.
01041	COPPER, SUSPENDED (UG/L AS CU)	02/22/77-09/08/81	16	3.	3.531	10.	0.	8.982	2.997	0.	1.	5.	9.3
01042	COPPER, TOTAL (UG/L AS CU)	02/22/77-09/08/81	23	4.	5.348	17.	0.	20.419	4.519	1.	2.	10.	11.2
01044	IRON, SUSPENDED (UG/L AS FE)	08/09/78-09/08/81	7	300.	348.571	1000.	0.	95847.619	309.593	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/22/77-09/08/81	23	380.	473.043	1300.	100.	99849.407	315.99	132.	260.	610.	1044.
01046	IRON, DISSOLVED (UG/L AS FE)	02/22/77-09/08/81	17	180.	271.471	1000.	5.	78218.015	279.675	9.	50.	420.	816.
01049	LEAD, DISSOLVED (UG/L AS PB)	02/22/77-09/08/81	17	8.	14.882	64.	0.	357.985	18.92	0.	1.5	18.	52.8
01050	LEAD, SUSPENDED (UG/L AS PB)	02/22/77-09/08/81	16	23.5	32.031	100.	0.	1027.816	32.06	0.	3.	47.75	97.9
01051	LEAD, TOTAL (UG/L AS PB)	02/22/77-09/08/81	23	34.	42.	120.	0.	1833.455	42.819	0.	1.	100.	100.
01054	MANGANESE, SUSPENDED (UG/L AS MN)	02/22/77-09/08/81	16	20.	38.75	220.	0.	3025.	55.	0.	10.	40.	143.
01055	MANGANESE, TOTAL (UG/L AS MN)	02/22/77-09/08/81	23	50.	80.87	240.	20.	3508.3	59.231	30.	40.	150.	166.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/22/77-09/08/81	17	40.	46.471	140.	0.	2055.515	45.338	4.	5.	75.	124.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/22/77-09/08/81	23	1.	1.109	4.	0.	0.976	0.988	0.2	0.5	1.	3.
01065	NICKEL, DISSOLVED (UG/L AS NI)	02/22/77-09/08/81	17	1.	1.176	3.	0.	1.654	1.286	0.	0.	2.5	3.
01066	NICKEL, SUSPENDED (UG/L AS NI)	02/22/77-09/08/81	16	11.5	13.281	31.	0.	123.532	11.115	0.	1.25	24.	26.8
01067	NICKEL, TOTAL (UG/L AS NI)	02/22/77-09/08/81	23	4.	10.565	34.	0.	123.621	11.118	1.	2.	25.	25.
01075	SILVER, DISSOLVED (UG/L AS AG)	02/22/77-09/08/81	17 ##	0.	0.029	0.5	0.	0.015	0.121	0.	0.	0.	0.1
01076	SILVER, SUSPENDED (UG/L AS AG)	02/22/77-08/09/79	15	0.	1.733	5.	0.	5.781	2.404	0.	0.	5.	5.
01077	SILVER, TOTAL (UG/L AS AG)	02/22/77-09/08/81	23 ##	0.	2.239	10.	0.	17.542	4.188	0.	0.	1.	10.
01090	ZINC, DISSOLVED (UG/L AS ZN)	02/22/77-09/08/81	17 ##	10.	7.706	20.	0.	26.096	5.108	0.	3.5	10.	12.
01091	ZINC, SUSPENDED (UG/L ZN)	02/22/77-08/09/79	15	3.	4.4	10.	0.	23.4	4.837	0.	0.	10.	10.
01092	ZINC, TOTAL (UG/L AS ZN)	02/22/77-09/08/81	23	10.	14.	30.	0.	58.909	7.675	5.2	10.	20.	26.
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/22/77-08/09/79	15	70.	85.333	350.	20.	6212.381	78.819	32.	40.	90.	212.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	02/22/77-08/09/79	15	30.	29.333	50.	10.	135.238	11.629	16.	20.	40.	50.
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	02/22/77-08/09/79	15	40.	62.667	320.	20.	5720.952	75.637	20.	20.	70.	188.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/22/77-09/08/81	17 ##	0.5	0.5	1.	0.	0.031	0.177	0.4	0.5	0.5	0.6
01146	SELENIUM, SUSPENDED (UG/L AS SE)	02/22/77-08/09/79	15	0.	0.067	1.	0.	0.067	0.258	0.	0.	0.	0.4
01147	SELENIUM, TOTAL (UG/L AS SE)	02/22/77-09/08/81	23 ##	0.5	0.391	1.	0.	0.09	0.3	0.	0.	0.5	0.8
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	02/22/77-09/25/79	33	2.	2.182	10.	0.	6.278	2.506	0.	0.	4.	6.2
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	07/18/78-07/18/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	01/26/78-07/18/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/22/77-09/25/79	33	130.	129.758	170.	76.	402.314	20.058	100.	117.5	143.5	154.2
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/22/77-09/25/79	33	1310.	1803.545	7220.	704.	1891743.881	1375.407	909.8	1035.	1980.	3996.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/22/77-09/25/79	33	0.18	0.176	0.23	0.1	0.001	0.028	0.134	0.16	0.195	0.21
71890	MERCURY, DISSOLVED (UG/L AS HG)	02/22/77-09/08/81	16 ##	0.25	0.2	0.25	0.05	0.008	0.089	0.05	0.1	0.25	0.25
71895	MERCURY, SUSPENDED (UG/L AS HG)	02/22/77-08/09/79	14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
71900	MERCURY, TOTAL (UG/L AS HG)	02/22/77-09/08/81	23 ##	0.25	0.2	0.7	0.05	0.021	0.146	0.05	0.05	0.25	0.28

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0393

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	43	0	0.00	14	0	0.00	9	0	0.00	4	0	0.00	16	0	0.00
00400	PH	Other-Hi Lim.	9.	44	0	0.00	14	0	0.00	9	0	0.00	4	0	0.00	17	0	0.00
		Other-Lo Lim.	6.5	44	0	0.00	14	0	0.00	9	0	0.00	4	0	0.00	17	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	22	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	9	0	0.00
		Drinking Water	0.2	22	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	9	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	33	0	0.00	9	0	0.00	7	0	0.00	4	0	0.00	13	0	0.00
		Drinking Water	250.	33	0	0.00	9	0	0.00	7	0	0.00	4	0	0.00	13	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	33	0	0.00	9	0	0.00	7	0	0.00	4	0	0.00	13	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	36	0	0.00	12	0	0.00	7	0	0.00	4	0	0.00	13	0	0.00
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	22	1	0.05	6	0	0.00	6	1	0.17	1	0	0.00	9	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
		Drinking Water	50.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	11	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00
		Drinking Water	50.	11	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
		Drinking Water	50.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	16	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	2	0	0.00	2	0	0.00									
		Drinking Water	4.	1 &	0	0.00	1	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	8	0	0.00	3	0	0.00	2	0	0.00				3	0	0.00
		Drinking Water	4.	7 &	2	0.29	2	0	0.00	2	1	0.50				3	1	0.33
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	17	4	0.24	5	0	0.00	4	1	0.25	1	1	1.00	7	2	0.29
		Drinking Water	5.	17	3	0.18	5	0	0.00	4	1	0.25	1	1	1.00	7	1	0.14
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	10 &	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00	5	0	0.00
		Drinking Water	5.	12 &	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	5	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	18 &	8	0.44	4	0	0.00	5	2	0.40	1	1	1.00	8	5	0.63
		Drinking Water	5.	18 &	5	0.28	4	0	0.00	5	1	0.20	1	1	1.00	8	3	0.38
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	16	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	15	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
		Drinking Water	1300.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01041	COPPER, SUSPENDED	Fresh Acute	18.	16	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
		Drinking Water	1300.	16	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
		Drinking Water	1300.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
		Drinking Water	15.	17	5	0.29	5	0	0.00	4	1	0.25	1	1	1.00	7	3	0.43
01050	LEAD, SUSPENDED	Fresh Acute	82.	16	2	0.13	4	0	0.00	4	0	0.00	1	0	0.00	7	2	0.29
		Drinking Water	15.	12 &	6	0.50	2	1	0.50	3	2	0.67	1	0	0.00	6	3	0.50
01051	LEAD, TOTAL	Fresh Acute	82.	18 &	1	0.06	4	0	0.00	5	0	0.00	1	0	0.00	8	1	0.13
		Drinking Water	15.	18 &	8	0.44	4	1	0.25	5	2	0.40	1	1	1.00	8	4	0.50
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
		Drinking Water	100.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	16	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
		Drinking Water	100.	16	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
		Drinking Water	100.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
		Drinking Water	100.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	10 &	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00	5	0	0.00
		Drinking Water	100.	15	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	18 &	0	0.00	4	0	0.00	5	0	0.00	1	0	0.00	8	0	0.00
		Drinking Water	100.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0393

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01090	ZINC, DISSOLVED	Fresh Acute	120.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
		Drinking Water	5000.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01091	ZINC, SUSPENDED	Fresh Acute	120.	15	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
		Drinking Water	5000.	15	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
		Drinking Water	5000.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
		Drinking Water	50.	17	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	15	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
		Drinking Water	50.	15	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00	7	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
		Drinking Water	50.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	3	0	0.00				1	0	0.00				2	0	0.00
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	3	0	0.00				1	0	0.00				2	0	0.00
		Drinking Water	0.2	3	0	0.00				1	0	0.00				2	0	0.00
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	3	0	0.00				1	0	0.00				2	0	0.00
		Drinking Water	2.	3	0	0.00				1	0	0.00				2	0	0.00
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	3	0	0.00				1	0	0.00				2	0	0.00
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	3	0	0.00				1	0	0.00				2	0	0.00
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	3	0	0.00				1	0	0.00				2	0	0.00
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	3	0	0.00				1	0	0.00				2	0	0.00
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	0	0.00										1	0	0.00
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	3	0	0.00				1	0	0.00				2	0	0.00
		Drinking Water	2.	3	0	0.00				1	0	0.00				2	0	0.00
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	3	0	0.00				1	0	0.00				2	0	0.00
		Drinking Water	3.	3	0	0.00				1	0	0.00				2	0	0.00
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00				1	0	0.00				2	0	0.00
		Drinking Water	0.4	3	0	0.00				1	0	0.00				2	0	0.00
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00				1	0	0.00				2	0	0.00
		Drinking Water	0.2	3	0	0.00				1	0	0.00				2	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	16	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	6	0	0.00
		Drinking Water	2.	16	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00	6	0	0.00
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	14	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00	6	0	0.00
		Drinking Water	2.	14	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00	6	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00
		Drinking Water	2.	23	0	0.00	6	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0394

NPS Station ID: SACN0394 | LAT/LON: 44.748892/ -92.804726 | Agency: 21MINN | Date Created: / /
Location: ST CROIX R. USH-10 AT PT DOUGLAS | FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM/NET | STORET Station ID(s): SCSC--0CBB15E53/@SSGWH-0018 /SC-0
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: MAJ BASIN: UPPER MISS | Elevation: 0 | Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX | ECO Region:
RF1 Index: 07030005001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 07010206022800.00 | RF3 Mile Point: 14.60 | Distance from RF3: 0.15 | On/Off RF3:
Description:
ST. CROIX RIVER, BRIDGE ON USH-10 AT POINT DOUGLAS, MINNESOTA; ST. CROIX RIVER BASIN T 26 N R 20 W S 9 WASHINGTON COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1953-65

Parameter Inventory for Station: SACN0394

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	77	60.	56.753	82.	32.	247.373	15.728	33.	42.5	70.5	77.2
00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-08/25/65	60	3300.	5847.	30600.	1480.	32471912.881	5698.413	1875.	2442.5	8175.	14640.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	76	9.	10.412	110.	1.4	151.089	12.292	4.35	6.	12.	13.3
00080	COLOR (PLATINUM-COBALT UNITS)	01/21/53-12/12/57	21	50.	55.143	160.	11.	1377.429	37.114	15.6	32.5	67.	124.
00300	OXYGEN, DISSOLVED MG/L	01/21/53-10/18/65	78	8.	8.617	23.9	4.2	7.553	2.748	5.99	6.8	10.	11.
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-10/18/65	78	2.5	2.749	7.5	0.3	1.817	1.348	1.39	1.8	3.5	4.8
00400	PH (STANDARD UNITS)	01/21/53-10/18/65	78	7.8	7.845	9.	6.9	0.183	0.428	7.3	7.575	8.1	8.5
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-10/18/65	78	7.8	7.657	9.	6.9	0.219	0.468	7.3	7.575	8.1	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-10/18/65	78	0.016	0.022	0.126	0.001	0.	0.022	0.003	0.008	0.027	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/53-12/12/57	22	77.	83.	170.	50.	798.286	28.254	55.	59.5	102.5	110.
00500	RESIDUE, TOTAL (MG/L)	01/21/53-10/29/59	36	150.	158.889	360.	110.	2341.587	48.39	117.	130.	177.5	212.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/21/53-12/12/57	22	60.	60.364	120.	11.	598.052	24.455	28.	44.75	68.5	101.9
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-10/18/65	51	8.	13.137	94.	2.	264.321	16.258	2.2	5.	14.	27.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	50	3.	5.728	45.	0.4	53.095	7.287	2.	2.	5.	15.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-10/18/65	29 ##	0.1	0.127	0.26	0.1	0.003	0.055	0.1	0.1	0.1	0.24
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/27/58-10/29/59	10	0.62	0.795	2.8	0.05	0.659	0.812	0.057	0.21	1.025	2.66
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/27/58-10/29/59	10	0.91	1.24	3.2	0.5	0.681	0.825	0.518	0.71	1.735	3.076
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/58-10/18/65	29	0.09	0.112	0.28	0.005	0.005	0.072	0.04	0.06	0.155	0.25
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	32	3.	3.445	22.	0.25	14.894	3.859	0.65	1.	5.	6.
01503	ALPHA, DISSOLVED	04/30/58-05/05/59	5	0.8	0.92	2.	0.4	0.432	0.657	**	**	**	**
01505	ALPHA, SUSPENDED	07/31/58-05/05/59	6	0.4	0.717	2.	0.2	0.478	0.691	**	**	**	**
03501	BETA, TOTAL	01/21/58-03/27/58	2	26.	26.	30.	22.	32.	5.657	**	**	**	**
03503	BETA, DISSOLVED	04/30/57-07/21/59	16	21.	31.813	130.	8.	880.696	29.677	10.8	16.	41.25	76.8
03505	BETA, SUSPENDED	05/15/58-07/21/59	6	18.5	17.833	32.	6.	89.367	9.453	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	76	200.	591.211	17000.	10.	4504881.528	2122.471	45.	94.75	330.	790.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-10/18/65	76	2.301	2.25	4.23	1.	0.301	0.549	1.653	1.976	2.519	2.898
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			177.854								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-10/18/65	11 ##	100.	481.818	3300.	100.	921636.364	960.019	100.	100.	400.	2800.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-10/18/65	11 ##	2.	2.275	3.519	2.	0.265	0.515	2.	2.	2.602	3.395
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			188.312								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/26/62-10/18/65	18 ##	0.05	0.063	0.16	0.05	0.001	0.032	0.05	0.05	0.05	0.124

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0394

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	78	0	0.00	24	0	0.00	12	0	0.00	7	0	0.00	35	0	0.00
00400	PH	Other-Hi Lim.	9.	78	1	0.01	24	0	0.00	12	1	0.08	7	0	0.00	35	0	0.00
		Other-Lo Lim.	6.5	78	0	0.00	24	0	0.00	12	0	0.00	7	0	0.00	35	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00	4	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	32	0	0.00	12	0	0.00	3	0	0.00	3	0	0.00	14	0	0.00
		Drinking Water	250.	32	0	0.00	12	0	0.00	3	0	0.00	3	0	0.00	14	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	76	6	0.08	23	0	0.00	11	1	0.09	7	2	0.29	35	3	0.09
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	11	3	0.27	3	0	0.00				1	1	1.00	7	2	0.29

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0394

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	24	59.5	58.958	78.	42.	116.389	10.788	44.	49.25	66.	76.
00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-08/25/65	17	3100.	4292.941	21800.	1480.	21955234.559	4685.641	1792.	2445.	3865.	10080.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	24	10.	8.979	16.	3.	10.445	3.232	5.	6.	10.	13.5
00300	OXYGEN, DISSOLVED MG/L	01/21/53-10/18/65	24	7.25	7.975	23.9	4.2	13.58	3.685	5.5	6.725	7.975	10.5
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-10/18/65	24	2.45	2.658	5.8	0.6	1.594	1.262	1.3	1.8	3.45	4.65
00400	PH (STANDARD UNITS)	01/21/53-10/18/65	24	7.75	7.725	8.5	6.9	0.203	0.45	7.1	7.325	8.075	8.5
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-10/18/65	24	7.747	7.52	8.5	6.9	0.247	0.497	7.1	7.325	8.075	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-10/18/65	24	0.018	0.03	0.126	0.003	0.001	0.031	0.003	0.008	0.048	0.082
00500	RESIDUE, TOTAL (MG/L)	01/21/53-10/29/59	10	175.	170.	250.	120.	1711.111	41.366	120.	127.5	200.	245.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-10/18/65	17	10.	17.235	63.	3.	284.441	16.865	4.6	6.	22.	48.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	17	3.	7.529	45.	2.	120.14	10.961	2.	3.	5.	25.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/58-10/18/65	10	0.095	0.12	0.28	0.04	0.005	0.073	0.042	0.075	0.17	0.272
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	12	3.	3.271	6.	0.25	3.517	1.875	0.475	2.	5.	6.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	23	130.	166.043	450.	10.	12154.407	110.247	54.2	100.	200.	336.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-10/18/65	23	2.114	2.112	2.653	1.	0.124	0.353	1.725	2.	2.301	2.526
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			129.554								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0394

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	11	32.	33.091	36.	32.	2.491	1.578	32.	32.	34.	36.
00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-08/25/65	9	2390.	2295.556	2700.	1780.	104802.778	323.733	1780.	1990.	2575.	2700.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	11	7.	7.582	20.	1.4	21.764	4.665	1.92	6.	9.	17.8
00300	OXYGEN, DISSOLVED MG/L	01/21/53-10/18/65	12	11.	11.317	14.	8.8	2.36	1.536	9.04	10.55	12.	14.
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-10/18/65	12	1.5	1.733	3.8	0.8	0.612	0.782	0.86	1.275	2.075	3.35
00400	PH (STANDARD UNITS)	01/21/53-10/18/65	12	8.	8.017	9.	7.5	0.151	0.388	7.53	7.75	8.175	8.79
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-10/18/65	12	8.	7.897	9.	7.5	0.166	0.408	7.53	7.75	8.175	8.79
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-10/18/65	12	0.01	0.013	0.032	0.001	0.	0.009	0.002	0.007	0.018	0.03
00500	RESIDUE, TOTAL (MG/L)	01/21/53-10/29/59	6	135.	141.667	180.	120.	456.667	21.37	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-10/18/65	7	2.	4.714	18.	2.	34.905	5.908	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	7	2.	4.286	18.	1.	36.905	6.075	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/58-10/18/65	3	0.08	0.073	0.08	0.06	0.	0.012	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	3	5.	10.333	22.	4.	102.333	10.116	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	11	330.	414.091	1300.	10.	152414.091	390.402	17.	100.	780.	1198.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-10/18/65	11	2.519	2.361	3.114	1.	0.371	0.609	1.131	2.	2.892	3.071
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			229.351								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0394

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	7	39.	38.	43.	33.	13.667	3.697	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-08/25/65	6	3040.	4820.	15500.	1840.	27812480.	5273.754	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	6	8.5	7.533	12.	2.2	17.467	4.179	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/21/53-10/18/65	7	9.1	9.357	11.	7.9	0.973	0.986	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-10/18/65	7	2.3	2.3	3.5	1.5	0.387	0.622	**	**	**	**
00400	PH (STANDARD UNITS)	01/21/53-10/18/65	7	7.6	7.614	8.1	7.1	0.098	0.313	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-10/18/65	7	7.6	7.516	8.1	7.1	0.109	0.331	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-10/18/65	7	0.025	0.03	0.079	0.008	0.001	0.024	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/21/53-10/29/59	4	160.	200.	360.	120.	11800.	108.628	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-10/18/65	4	5.5	5.75	10.	2.	10.917	3.304	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	3	3.	2.467	4.	0.4	3.453	1.858	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0394

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/58-10/18/65	3	0.11	0.088	0.15	0.005	0.006	0.075	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	3	2.	2.833	6.	0.5	8.083	2.843	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	7	130.	570.	1700.	20.	414200.	643.584	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-10/18/65	7	2.114	2.401	3.23	1.301	0.466	0.683	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			251.751								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0394

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/21/53-10/18/65	35	69.	66.429	82.	38.	117.723	10.85	49.2	60.	75.	78.4
00060	FLOW, STREAM, MEAN DAILY CFS	01/21/53-08/25/65	28	7400.	8152.143	30600.	1700.	41295380.423	6426.148	2280.	2782.5	12050.	15290.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	01/21/53-10/18/65	35	10.	12.777	110.	2.7	305.988	17.493	4.8	7.	12.	18.2
00300	OXYGEN, DISSOLVED MG/L	01/21/53-10/18/65	35	7.9	7.983	12.	4.2	3.594	1.896	5.74	6.3	9.5	10.4
00310	BOD, 5 DAY, 20 DEG C MG/L	01/21/53-10/18/65	35	2.8	3.249	7.5	0.3	2.103	1.45	1.8	2.4	4.	5.04
00400	PH (STANDARD UNITS)	01/21/53-10/18/65	35	7.9	7.914	8.8	7.2	0.175	0.418	7.4	7.6	8.2	8.6
00400	CONVERTED PH (STANDARD UNITS)	01/21/53-10/18/65	35	7.9	7.747	8.8	7.2	0.204	0.451	7.4	7.6	8.2	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/53-10/18/65	35	0.013	0.018	0.063	0.002	0.	0.015	0.003	0.006	0.025	0.04
00500	RESIDUE, TOTAL (MG/L)	01/21/53-10/29/59	16	140.	148.125	240.	110.	1149.583	33.906	110.	122.5	160.	205.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/53-10/18/65	23	8.	13.957	94.	4.	336.68	18.349	4.	7.	14.	24.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/21/53-10/18/65	23	4.	5.261	17.	2.	15.656	3.957	2.	3.	7.	12.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/58-10/18/65	13	0.09	0.119	0.26	0.01	0.006	0.08	0.026	0.055	0.19	0.256
00940	CHLORIDE,TOTAL IN WATER MG/L	04/13/53-10/18/65	14	1.5	2.25	6.	0.5	2.952	1.718	0.75	1.	3.25	5.5
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/21/53-10/18/65	35	200.	930.514	17000.	20.	9560413.375	3091.992	45.	78.	330.	994.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/21/53-10/18/65	35	2.301	2.276	4.23	1.301	0.371	0.609	1.653	1.892	2.519	2.984
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			188.627								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0395

NPS Station ID: SACN0395
LAT/LON: 44.748892/ -92.804726
Agency: 21MINNQ
Date Created: 09/17/94
Location: ST CROIX R. USH-10 AT PT DOUGLAS
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): SCSC--0CBB15E53/@SSGWH-0018 /SC-0
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX
ECO Region:
RF1 Index: 07030005001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST. CROIX RIVER, BRIDGE ON USH-10 AT POINT DOUGLAS, MINNESOTA; ST. CROIX RIVER BASIN T 26 N R 20 W S 9 WASHINGTON COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1953-65

Parameter Inventory for Station: SACN0395

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0396

NPS Station ID: SACN0396
LAT/LON: 44.749448/ -92.804726
Agency: 12MIWID
Date Created: / /
Location: SC0.3
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): SC0.3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07010206
Depth of Water: 1
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 0.520
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030005001804.79
RF3 Mile Point: 4.78
Distance from RF3: 0.03
On/Off RF3:
Description:
THIS STATION WAS ESTABLISHED IN CONNECTION WITH A NUTRIENT BUDGET STUDY OF THE MINNESOTA, MISSISSIPPI, AND ST. CROIX RIVERS IN MINNESOTA.
US 10 BRIDGE IN PRESCOTT WISCONSIN AT ST. CROIX RIVER MILE 0.3

Parameter Inventory for Station: SACN0396

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0397

NPS Station ID: SACN0397
LAT/LON: 44.762837/ -92.806698
Agency: 21WIS
Date Created: 07/16/94
Location: LOWER LK ST CROIX COMP SED
FIPS State/County: 55093 WISCONSIN/PIERCE
Station Type: /TYPA/AMBNT/STREAM/SOLIDS
STORET Station ID(s): 483060 /6300LA483060
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07010206
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 55
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07010206
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
STATION FOR JOHN F SULLIVAN OF LA CROSSE (608)785-9995 COMPOSITE BED SEDIMENT SAMPLE COLLECTED BY USGS AND WDNR BETWEEN MILE 0.5 AND 4.0. A TOTAL OF 15 SITES. PCB CONGENER STUDY OF BED SEDIMENTS. SURFACE 10 CM.

Parameter Inventory for Station: SACN0397

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
04588	INVALID PARAMETER	06/13/94-06/13/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
04589	INVALID PARAMETER	06/13/94-06/13/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
10217	PCB CONGENER IUPAC #101 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
19190	PCB CONGENER IUPAC #7 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
19191	PCB CONGENER IUPAC #6 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.225	0.225	0.225	0.225	0.	0.	**	**	**	**
19192	PCB CONGENER IUPAC #5/8 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
19193	PCB CONGENER IUPAC #19 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19194	PCB CONGENER IUPAC #18 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.175	0.175	0.175	0.175	0.	0.	**	**	**	**
19195	PCB CONGENER IUPAC #17 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
19196	PCB CONGENER IUPAC #24/27 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19197	PCB CONGENER IUPAC #16/32 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
19198	PCB CONGENER IUPAC #26 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.175	0.175	0.175	0.175	0.	0.	**	**	**	**
19199	PCB CONGENER IUPAC #28/31 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
19200	PCB CONGENER IUPAC #33 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.225	0.225	0.225	0.225	0.	0.	**	**	**	**
19201	PCB CONGENER IUPAC #22 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
19202	PCB CONGENER IUPAC #45 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19203	PCB CONGENER IUPAC #46 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.175	0.175	0.175	0.175	0.	0.	**	**	**	**
19206	PCB CONGENER IUPAC #47/48 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
19208	PCB CONGENER IUPAC #37/42 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
19209	PCB CONGENER IUPAC #41/64/71 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
19210	PCB CONGENER IUPAC #40 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19211	PCB CONGENER IUPAC #74 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
19213	PCB CONGENER IUPAC #66/95 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
19221	PCB CONGENER IUPAC #85 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
19222	PCB CONGENER IUPAC #136 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
19223	PCB CONGENER IUPAC #77/110 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
19224	PCB CONGENER IUPAC #82 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19225	PCB CONGENER IUPAC #151 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19226	PCB CONGENER IUPAC #135/144 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19227	PCB CONGENER IUPAC #149 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
19229	PCB CONGENER IUPAC #146 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.175	0.175	0.175	0.175	0.	0.	**	**	**	**
19230	PCB CONGENER IUPAC #132/153 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
19231	PCB CONGENER IUPAC #141 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0397

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
19232	PCB CONGENER IUPAC #137/176 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19233	PCB CONGENER IUPAC #138/163 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
19234	PCB CONGENER IUPAC #178 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
19235	PCB CONGENER IUPAC #182/187 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
19237	PCB CONGENER IUPAC #185 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19238	PCB CONGENER IUPAC #174 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19239	PCB CONGENER IUPAC #177 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.175	0.175	0.175	0.175	0.	0.	**	**	**	**
19240	PCB CONGENER IUPAC #171/202 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19241	PCB CONGENER IUPAC #172/197 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
19243	PCB CONGENER IUPAC #199 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19244	PCB CONGENER IUPAC #170/190 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
19245	PCB CONGENER IUPAC #201 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
19246	PCB CONGENER IUPAC #196/203 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
19247	PCB CONGENER IUPAC #195/208 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
19248	PCB CONGENER IUPAC #194 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
19249	PCB CONGENER IUPAC #206 SOIL,TOTAL UG/KG	06/13/94-06/13/94	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	06/13/94-06/13/94	1	23000.	23000.	23000.	23000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0398

NPS Station ID: SACN0398
LAT/LON: 44.761116/ -92.806948
Agency: 1115T030
Date Created: / /
Location: SC 1.00
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 260050
RMI-Indexes: 1021500 015940
Within Park Boundary: Yes
RMI-Miles: 1765.10 0001.00
HUC: 07010206
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX RIVER
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 0.520
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206071300.00
RF3 Mile Point: 0.42
Distance from RF3: 0.06
On/Off RF3:
Description:
ST. CROIX RIVER, TRIBUTARY TO UPPER MISSISSIPPI RIVER N.W. OF PRESCOTT, WISCONSIN.
PURPOSE-SAMPLED IN SUPPORT OF TWIN CITY UPPER MISSISSIPPI ENFORCEMENT AND RIVER MODELING VERIFICATION
TYPE OF SAMPLING-GRAB

Parameter Inventory for Station: SACN0398

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/64-01/04/66	193	19.3	13.868	27.4	0.	83.431	9.134	0.	0.	20.9	22.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/21/64-09/30/65	16 ##	12.5	13.281	25.	12.5	9.766	3.125	12.5	12.5	12.5	16.25
00300	OXYGEN, DISSOLVED MG/L	04/10/64-01/04/66	183	7.	7.364	15.6	4.	3.042	1.744	5.3	5.9	8.8	9.2
00303	BOD, 1DAY, 20 DEG C MG/L	09/09/64-09/09/64	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00304	BOD, 2 DAY, 20 DEG C MG/L	08/24/65-01/04/66	20	0.7	0.755	1.9	0.3	0.153	0.391	0.3	0.5	0.9	1.29
00305	BOD, 3 DAY, 20 DEG C MG/L	09/09/64-09/09/64	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/06/64-01/04/66	43	1.3	1.533	3.9	0.5	0.791	0.889	0.54	0.9	1.9	2.98
00315	BOD, 7 DAY, 20 DEG C MG/L	09/09/64-09/09/64	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	01/04/66-01/04/66	1	22.8	22.8	22.8	22.8	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/64-01/04/66	21	7.8	7.869	8.7	7.3	0.085	0.292	7.6	7.7	8.	8.28
00400	CONVERTED PH (STANDARD UNITS)	06/24/64-01/04/66	21	7.8	7.789	8.7	7.3	0.092	0.303	7.6	7.7	8.	8.28
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/64-01/04/66	21	0.016	0.016	0.05	0.002	0.	0.01	0.005	0.01	0.02	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/21/64-10/28/64	3	106.	105.333	109.	101.	16.333	4.041	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/24/65-01/04/66	19	8.	13.211	68.	0.	242.287	15.566	2.	4.	18.	31.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/24/65-01/04/66	20	3.5	5.25	17.	0.	18.513	4.303	1.	2.	8.75	10.9
00600	NITROGEN, TOTAL (MG/L AS N)	06/24/64-07/23/64	4	1.485	1.428	1.84	0.9	0.152	0.39	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/64-01/04/66	44	0.385	0.497	1.66	0.	0.238	0.487	0.	0.025	0.805	1.31
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/64-01/04/66	59	0.15	0.197	1.2	0.	0.04	0.199	0.	0.08	0.27	0.39
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/24/64-07/23/64	4	0.025	0.065	0.2	0.01	0.008	0.09	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/64-01/04/66	41	0.25	0.344	1.13	0.	0.083	0.287	0.012	0.13	0.47	0.86
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/06/64-01/04/66	18	0.255	0.243	0.61	0.05	0.018	0.136	0.05	0.153	0.3	0.439
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/24/64-09/27/65	22	0.17	0.16	0.28	0.02	0.005	0.071	0.06	0.095	0.215	0.25
00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/64-06/24/64	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/23/64-01/04/66	59	172.	540.441	4600.	2.	891433.078	944.157	22.	46.	500.	1720.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/23/64-01/04/66	59	2.236	2.194	3.663	0.301	0.559	0.748	1.342	1.663	2.699	3.236
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			156.444								
31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	07/23/64-01/04/66	56	21.	110.893	1300.	0.	49273.588	221.977	2.	5.	130.	230.
31617	LOG FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 316	07/23/64-01/04/66	56	1.322	1.379	3.114	0.	0.708	0.842	0.301	0.699	2.114	2.362
31617	GM FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 3161	GEOMETRIC MEAN =			23.948								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	02/24/65-02/26/65	5	10.	15.8	48.	5.	329.2	18.144	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	02/24/65-02/26/65	5	1.	1.032	1.681	0.699	0.15	0.387	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0398

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			10.757								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/24/64-06/24/64	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0398

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	16	0	0.00	16	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	183	1	0.01	104	1	0.01	49	0	0.00	2	0	0.00	28	0	0.00
00400	PH	Other-Hi Lim.	9.	21	0	0.00	9	0	0.00	11	0	0.00				1	0	0.00
		Other-Lo Lim.	6.5	21	0	0.00	9	0	0.00	11	0	0.00				1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00										4	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	41	0	0.00	20	0	0.00	15	0	0.00	2	0	0.00	4	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	59	9	0.15	44	9	0.20	11	0	0.00				4	0	0.00
31617	FECAL COLIFORM, MPN, EIJKMAN TEST, 44.5C	Other-Hi Lim.	200.	56	12	0.21	41	6	0.15	11	6	0.55				4	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0399

NPS Station ID: SACN0399
LAT/LON: 45.134726/ -92.808337
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: BIG CARNELIAN 4 MI S OF MARINE
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0049 /BCN
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 179.7 HECTARE B
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: 7.8 M MAX DEPTH: 21.3 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
AREA: 180 HA SHORE L: 4.60 MI ECOL CLASS: 5-1973 - AV DEPTH: 7.8 M USE OF SHORELINE: MGMT CLASS: 4-1973 4-1952 -
MX DEPTH: 21 M FOR 5% AGR 10% ROUGHFISH: 1 LANDSAT TYPE: - VOL: 1.40E07 M3 MUN 85% MRSH 0% WQ INDEX: - CHLOR IND: -
LITTORAL: 45 % # DWELL: 182-1973 SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0399

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0400

NPS Station ID: SACN0400 | LAT/LON: 45.134726/ -92.808337 | Agency: 21MINNL | Date Created: 04/12/80
Location: LAKE: BIG CARNELIAN 4 MI S OF MARINE | FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO | STORET Station ID(s): 82-0049 /BCN
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: AREA: 179.7 HECTARE B | Elevation: 0 | Water Body Id:
Minor Basin: MEAN DEPTH: 7.8 M MAX DEPTH: 21.3 M | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 24.90 | On/Off RF1:
RF3 Index: 07030005083500.00 | RF3 Mile Point: 0.71 | Distance from RF3: 0.17 | On/Off RF3:
Description:
AREA: 180 HA SHORE L: 4.60 MI ECOL CLASS: 5-1973 - AV DEPTH: 7.8 M USE OF SHORELINE: MGMT CLASS: 4-1973 4-1952 -
MX DEPTH: 21 M FOR 5% AGR 10% ROUGHFISH: 1 LANDSAT TYPE: - VOL: 1.40E07 M3 MUN 85% MRSH 0% WQ INDEX: - CHLOR IND: -
LITTORAL: 45 % # DWELL: 182-1973 SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/80-09/11/84	126	12.5	14.782	27.	5.5	44.025	6.635	7.85	9.	21.375	24.5
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/23/73-07/23/73	10	72.	67.1	75.	53.	87.656	9.362	53.2	56.5	75.	75.
00023	SAMPLE WEIGHT IN POUNDS	07/26/83-07/26/83	2	2.2	2.2	2.3	2.1	0.02	0.141	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	07/26/83-07/26/83	2	19.3	19.3	21.3	17.3	8.	2.828	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/10/80-09/08/80	3	2.2	2.467	4.3	0.9	2.943	1.716	**	**	**	**
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	150	2.65	2.933	5.33	1.4	0.674	0.821	1.995	2.375	3.51	4.095
00080	COLOR (PLATINUM-COBALT UNITS)	07/10/80-09/08/80	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/10/84-08/27/92	27	210.	220.	275.	180.	869.231	29.483	188.	200.	245.	266.
00300	OXYGEN, DISSOLVED MG/L	07/23/73-09/11/84	134	6.9	5.355	11.1	0.	17.419	4.174	0.2	0.3	9.2	10.3
00403	PH, LAB, STANDARD UNITS SU	07/14/52-08/27/92	32	8.5	8.319	9.	7.	0.325	0.57	7.4	7.825	8.8	8.9
00403	CONVERTED PH, LAB, STANDARD UNITS	07/14/52-08/27/92	32	8.5	7.903	9.	7.	0.503	0.709	7.4	7.825	8.8	8.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/52-08/27/92	32	0.003	0.012	0.1	0.001	0.	0.021	0.001	0.002	0.015	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/26-08/27/92	17	107.	105.	130.	80.	133.625	11.56	85.6	98.5	110.	122.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/10/80-09/08/80	3	0.61	0.5	0.62	0.27	0.04	0.199	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/10/80-09/11/84	6	0.055	0.055	0.07	0.04	0.	0.01	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/10/80-08/27/92	30	0.65	0.835	2.2	0.32	0.279	0.528	0.384	0.5	0.9	1.97
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/10/80-08/27/92	18	0.02	0.027	0.11	0.003	0.001	0.027	0.004	0.007	0.043	0.065
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/80-08/27/92	30	0.01	0.038	0.29	0.005	0.004	0.065	0.01	0.01	0.023	0.133
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/07/84-09/11/84	4	14.	14.7	23.	7.8	45.16	6.72	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/10/80-08/27/92	15	6.	4.987	12.	1.	10.557	3.249	1.	1.	6.6	10.2
34670	PCB - 1260 WET WGTTISMG/KG	07/26/83-07/26/83	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	07/26/83-07/26/83	2 ##	0.875	0.875	1.5	0.25	0.781	0.884	**	**	**	**
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	07/26/83-07/26/83	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	07/26/83-07/26/83	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/26/83-07/26/83	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/27/91-08/27/92	12 ##	0.01	0.009	0.01	0.005	0.	0.002	0.005	0.008	0.01	0.01
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/26/83-07/26/83	2 ##	0.173	0.173	0.33	0.015	0.05	0.223	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/26/83-07/26/83	2	5.	5.	5.	5.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	07/10/80-09/08/80	3	50.	51.667	65.	40.	158.333	12.583	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	09/11/84-08/27/92	13	15.9	16.592	19.5	14.	6.111	2.472	14.	14.15	18.9	19.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

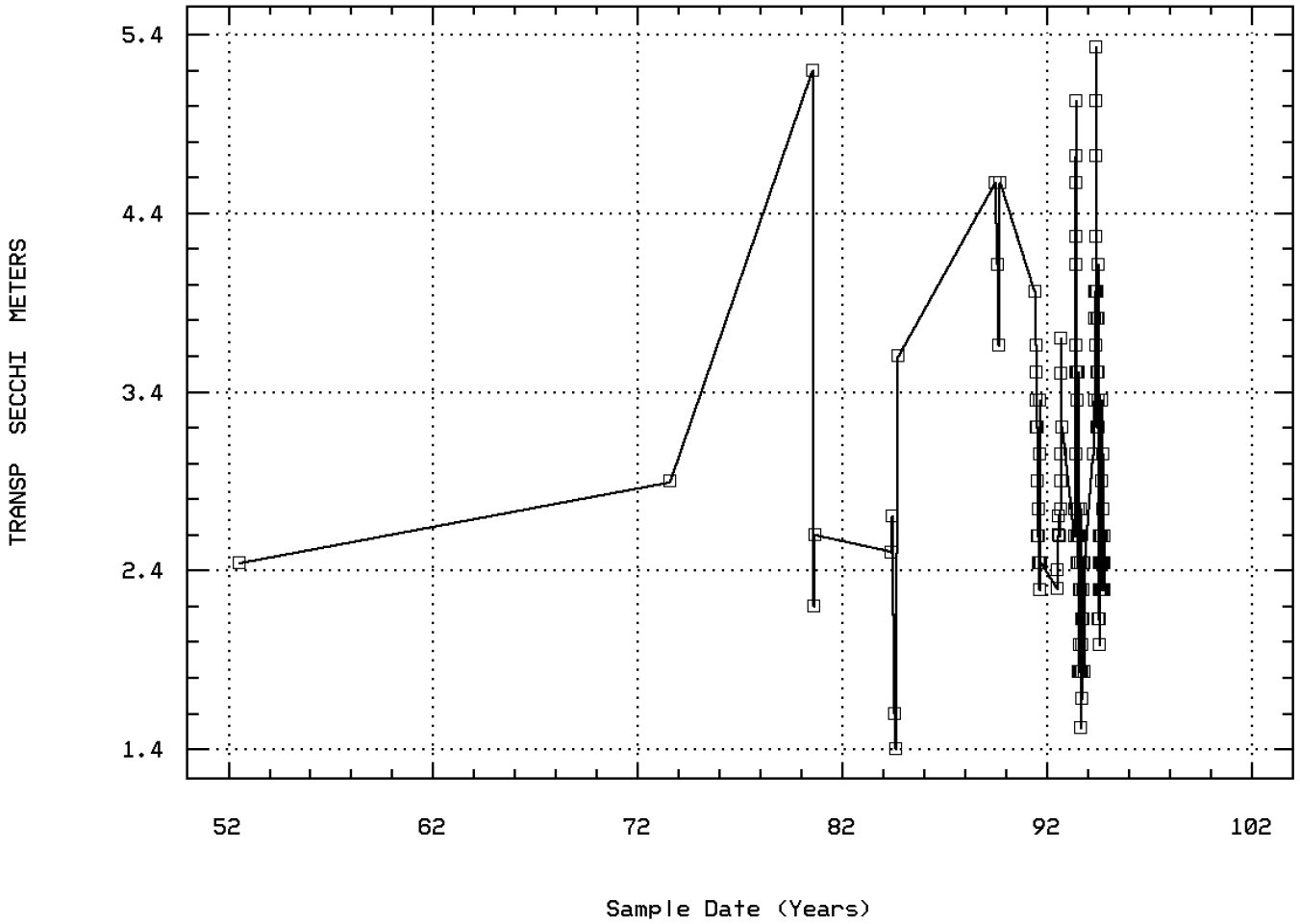
EPA Water Quality Criteria Analysis for Station: SACN0400

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00							2	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	134	55	0.41	28	11	0.39							106	44	0.42
00403	PH, LAB	Other-Hi Lim.	9.	32	1	0.03	8	0	0.00							24	1	0.04
		Other-Lo Lim.	6.5	32	0	0.00	8	0	0.00							24	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	18	0	0.00	6	0	0.00							12	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: SACN0400 Parameter Code: 00078

TRANSPARENCY, SECCHI DISC (METERS)



LAKE: BIG CARNELIAN 4 MI S OF MAR

Annual Analysis for 1952 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	1	2.44	2.44	2.44	2.44	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	3	2.6	3.333	5.2	2.2	2.653	1.629	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	5	2.5	2.36	3.6	1.4	0.793	0.891	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	4	4.34	4.228	4.57	3.66	0.19	0.436	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	30	2.82	2.957	3.96	2.29	0.269	0.519	2.44	2.44	3.35	3.66

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	11	2.74	2.88	3.7	2.3	0.197	0.444	2.32	2.59	3.2	3.66

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	46	2.44	2.664	5.03	1.52	0.737	0.858	1.83	1.98	3.125	4.158

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	49	3.05	3.123	5.33	1.98	0.714	0.845	2.29	2.44	3.81	4.27

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	48	2.44	2.547	4.57	1.52	0.336	0.579	1.83	2.29	2.86	3.365

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	1	3.05	3.05	3.05	3.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

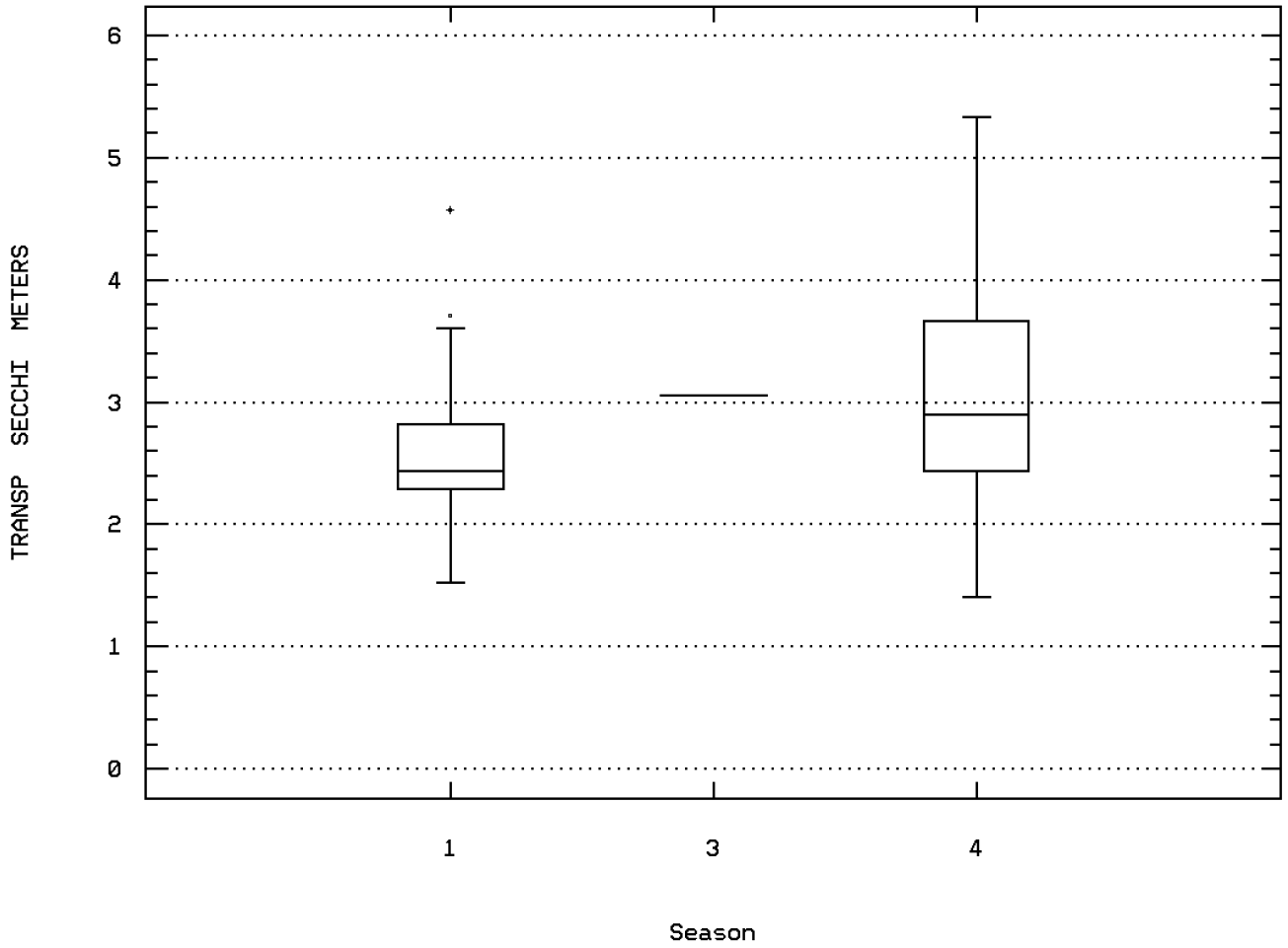
Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0400

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	07/14/52-10/19/94	101	2.9	3.116	5.33	1.4	0.742	0.861	2.144	2.44	3.66	4.27

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0400 Parameter Code: 00078

TRANSPARENCY, SECCHI DISC (METERS)



LAKE: BIG CARNELIAN 4 MI S OF MAR

Station Inventory for Station: SACN0401

NPS Station ID: SACN0401
LAT/LON: 44.783337/ -92.808337
Agency: 31M&WPCB
Date Created: 05/26/78
Location: PRESCOTT
FIPS State/County: 55093 WISCONSIN/PIERCE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): SC-3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: ST. CROIX
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 0.520
Distance from RF1: 6.80
On/Off RF1: ON
RF3 Index: 07030005227600.00
RF3 Mile Point: 0.74
Distance from RF3: 0.52
On/Off RF3:
Description:
DATA FROM MINN-WISC PCB INTERAGENLY TASK FORCE REPORT "PCBS IN THE UPPER MISSISSIPPI RIVER BASIN"
SEDIMENT AND WATER SAMPLE SAMPLE FROM ST. CROIX RIVER AT PRESCOTT BRIDGE ON HIGHWAY 10

Parameter Inventory for Station: SACN0401

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0402

NPS Station ID: SACN0402
LAT/LON: 44.766670/ -92.816670
Agency: 11EPALES
Date Created: / /
Location: ST CROIX RIVER
FIPS State/County: 27000 MINNESOTA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 27A7A2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07010206
Depth of Water: 0
Aquifer:
Major Basin: O/LAKE ST CROIX
Elevation: 0
Water Body Id:
Minor Basin: US 10 BRDG E PRESCOTT WI
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 0.910
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030005000700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:
AT US 10 BRDG AT E EDGE OF PRESCOTT,WI (ALSO LAKE PEPIN-27A4E1)

Parameter Inventory for Station: SACN0402

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/29/73	14	0.056	0.06	0.132	0.003	0.002	0.044	0.006	0.019	0.095	0.131
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	14	0.006	0.006	0.017	0.001	0.	0.004	0.001	0.004	0.007	0.015
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/29/73	14	0.295	0.288	0.665	0.005	0.047	0.216	0.005	0.075	0.453	0.627
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/29/73	14	0.8	0.931	1.6	0.36	0.135	0.367	0.45	0.688	1.215	1.57
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/29/73	14	0.3	0.294	0.67	0.005	0.047	0.218	0.005	0.078	0.455	0.635
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/29/73	14	0.042	0.043	0.075	0.015	0.	0.014	0.025	0.035	0.05	0.065
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/29/73	14	0.02	0.018	0.038	0.003	0.	0.011	0.003	0.007	0.026	0.035

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0402

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	14	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	6	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	14	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	6	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00	6	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0403

NPS Station ID: SACN0403
LAT/LON: 45.380282/ -92.821948
Agency: 21MINNL
Date Created: 11/30/85
Location: LAKE: SOUTH CENTER AT CENTER CITY
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 13-0027
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 338.3 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 33.2 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030005190200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0403

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/86-07/31/86	35	16.1	17.311	25.7	8.5	48.219	6.944	8.66	10.7	25.3	25.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/03/85-09/26/94	77	1.07	1.705	6.71	0.61	1.821	1.349	0.682	0.76	2.21	3.66
00080	COLOR (PLATINUM-COBALT UNITS)	07/31/86-07/31/86	2	22.5	22.5	25.	20.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/86-07/31/86	2	118.5	118.5	119.	118.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/31/86-07/31/86	35	0.4	2.754	9.2	0.2	13.407	3.662	0.2	0.2	7.3	9.1
00400	PH (STANDARD UNITS)	07/31/86-07/31/86	2	8.985	8.985	9.	8.97	0.	0.021	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/31/86-07/31/86	2	8.985	8.985	9.	8.97	0.	0.021	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/86-07/31/86	2	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/86-07/31/86	2	54.5	54.5	55.	54.	0.5	0.707	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/31/86-07/31/86	2	19.	19.	20.	18.	2.	1.414	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/31/86-07/31/86	3	2.6	4.21	8.6	1.43	14.796	3.847	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/31/86-07/31/86	2	0.013	0.013	0.02	0.006	0.	0.01	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/31/86-07/31/86	3	0.116	0.202	0.378	0.111	0.023	0.153	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/31/86-07/31/86	2	21.	21.	22.	20.	2.	1.414	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/31/86-07/31/86	2	91.75	91.75	117.	66.5	1275.125	35.709	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	07/31/86-07/31/86	2	76.5	76.5	99.	54.	1012.5	31.82	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0403

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	35	24	0.69										35	24	0.69
00400	PH	Other-Hi Lim.	9.	2	1	0.50										2	1	0.50
		Other-Lo Lim.	6.5	2	0	0.00										2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00										2	0	0.00
		Drinking Water	250.	2	0	0.00										2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1985 - Station SACN0403

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/03/85-09/26/94	8	1.145	1.048	1.22	0.76	0.043	0.208	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0403

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/03/85-09/26/94	13	0.76	1.044	2.44	0.61	0.254	0.504	0.626	0.75	1.37	2.012

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0403

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/03/85-09/26/94	7	0.91	1.861	6.71	0.61	4.803	2.192	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0403

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/03/85-09/26/94	10	1.45	1.996	4.57	0.61	2.082	1.443	0.61	0.723	3.39	4.464

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0403

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/03/85-09/26/94	8	1.98	2.553	6.1	1.22	2.856	1.69	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0403

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/03/85-09/26/94	10	1.07	1.829	5.18	0.91	2.263	1.504	0.91	1.03	2.475	5.058

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0403

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/03/85-09/26/94	21	1.22	1.792	3.66	0.61	1.545	1.243	0.64	0.76	3.35	3.66

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0403

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/03/85-09/26/94	23	1.07	0.993	1.37	0.61	0.065	0.256	0.61	0.76	1.22	1.37

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0403

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/03/85-09/26/94	54	1.295	2.008	6.71	0.61	2.27	1.507	0.715	0.76	3.35	3.81

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0404

NPS Station ID: SACN0404
LAT/LON: 45.380282/ -92.821948
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: SOUTH CENTER AT CENTER CITY
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 13-0027
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 338.3 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 33.2 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0404

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0405

NPS Station ID: SACN0405 | LAT/LON: 45.048615/ -92.823616 | Agency: 21MINNL | Date Created: 04/12/80
Location: LAKE: LILY IN STILLWATER | FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO | STORET Station ID(s): 82-0023
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: AREA: 21.0 HECTARE M | Elevation: 0 | Water Body Id:
Minor Basin: MEAN DEPTH: 4.7 M MAX DEPTH: 13.7 M | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 07010206099900.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.10 | On/Off RF3:
Description:
AREA: 21 HA SHORE L: 1.30 MI ECOL CLASS: 5-1975 - AV DEPTH: 4.7 M USE OF SHORELINE: MGMT CLASS: 4-1975 -
MX DEPTH: 14 M FOR 20% AGR 0% ROUGHFISH: 1 LANDSAT TYPE: - VOL: 9.95E05 M3 MUN 80% MRSH 0% WQ INDEX: - CHLOR IND: -
LITTORAL: 73 % # DWELL: 21-1975 SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0405

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/23/75-06/23/75	13	48.	55.692	78.	42.	218.231	14.773	42.	42.	70.5	77.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/29/47-07/28/92	46	1.52	1.732	3.66	0.76	0.503	0.709	0.91	1.22	2.13	2.9
00300	OXYGEN, DISSOLVED MG/L	06/23/75-06/23/75	5	1.7	4.12	11.8	0.	24.397	4.939	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/47-06/29/47	1	68.	68.	68.	68.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0405

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	3	0.60										5	3	0.60

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0405

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	06/29/47-07/28/92	16	1.22	1.323	2.13	0.76	0.172	0.415	0.76	1.07	1.483	2.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

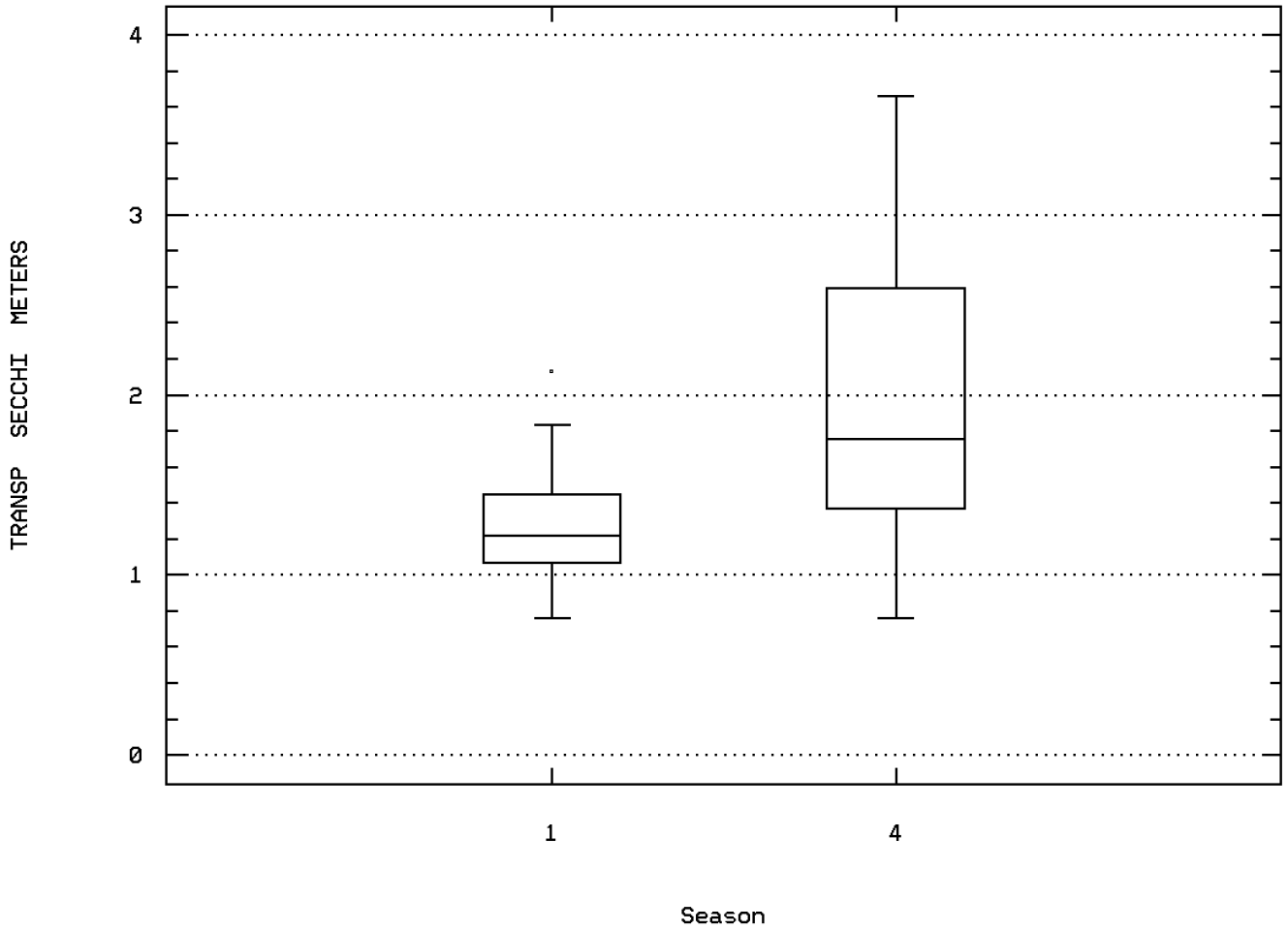
Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0405

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078p	TRANSPARENCY, SECCHI DISC (METERS)	06/29/47-07/28/92	30	1.755	1.95	3.66	0.76	0.551	0.742	1.07	1.37	2.628	2.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0405 Parameter Code: 00078

TRANSPARENCY, SECCHI DISC (METERS)



LAKE: LILY IN STILLWATER

Station Inventory for Station: SACN0406

NPS Station ID: SACN0406
LAT/LON: 45.048615/ -92.823616
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: LILY IN STILLWATER
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0023
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 21.0 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: 4.7 M MAX DEPTH: 13.7 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
AREA: 21 HA SHORE L: 1.30 MI ECOL CLASS: 5-1975 - AV DEPTH: 4.7 M USE OF SHORELINE: MGMT CLASS: 4-1975 -
MX DEPTH: 14 M FOR 20% AGR 0% ROUGHFISH: 1 LANDSAT TYPE: - VOL: 9.95E05 M3 MUN 80% MRSH 0% WQ INDEX: - CHLOR IND: -
LITTORAL: 73 % # DWELL: 21-1975 SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0406

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0407

NPS Station ID: SACN0407 | LAT/LON: 44.750005/ -92.825005 | Agency: 11EPALES | Date Created: / /
Location: MISSISSIPPI RIVER | FIPS State/County: 27000 MINNESOTA/
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 27A4A5 /LS27A4A5
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07010206 | Depth of Water: 0 | Aquifer:
Major Basin: T/LAKE PEPIN | Elevation: 0 | Water Body Id:
Minor Basin: US 10 W PRESCOTT BELOW HASTINGS STP | ECO Region:
RF1 Index: 07010206001 | RF1 Mile Point: 1.540 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 07010206000100.00 | RF3 Mile Point: 0.63 | Distance from RF3: 0.07 | On/Off RF3:
Description:
BANK SAMPLE OFF US 10 ABOUT .5 MI W OF BRDG AT PRESCOTT WI AND UPSTREAM FROM PRESCOTT ISLAND BELOW HASTINGS STP

Parameter Inventory for Station: SACN0407

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/72-09/22/73	10	0.38	0.379	0.69	0.056	0.049	0.222	0.067	0.191	0.581	0.683
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/72-09/22/73	10	0.022	0.025	0.056	0.008	0.	0.014	0.009	0.015	0.035	0.054
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/72-09/22/73	10	1.92	1.58	2.8	0.252	1.024	1.012	0.256	0.478	2.475	2.79
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/72-09/22/73	10	1.803	1.904	2.7	1.54	0.115	0.339	1.546	1.66	2.038	2.645
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/15/72-09/22/73	10	1.93	1.591	2.8	0.29	1.001	1.001	0.293	0.5	2.475	2.79
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/15/72-09/22/73	10	0.265	0.27	0.365	0.195	0.004	0.063	0.196	0.208	0.331	0.362
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/15/72-09/22/73	10	0.149	0.145	0.26	0.048	0.005	0.068	0.05	0.078	0.198	0.256

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0407

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	10	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	10	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0408

NPS Station ID: SACN0408
LAT/LON: 45.407226/ -92.830003
Agency: 21MINNL
Date Created: 11/22/86
Location: LAKE: NORTH CENTER AT CENTER CITY
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 13-0032
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 293.8 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 13.4 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030005038300.00
RF3 Mile Point: 6.06
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0408

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/86-07/31/86	9	25.2	24.333	25.7	19.4	4.595	2.144	19.4	23.5	25.6	25.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/31/86-08/05/90	26	0.685	1.054	2.59	0.15	0.57	0.755	0.3	0.46	1.52	2.485
00080	COLOR (PLATINUM-COBALT UNITS)	07/31/86-07/31/86	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/86-07/31/86	1	111.	111.	111.	111.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/31/86-07/31/86	9	2.8	3.944	7.7	0.3	9.288	3.048	0.3	1.	7.15	7.7
00400	PH (STANDARD UNITS)	07/31/86-07/31/86	1	8.96	8.96	8.96	8.96	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/31/86-07/31/86	1	8.96	8.96	8.96	8.96	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/86-07/31/86	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/86-07/31/86	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/31/86-07/31/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/31/86-07/31/86	2	1.58	1.58	1.85	1.31	0.146	0.382	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/31/86-07/31/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/31/86-07/31/86	2	0.122	0.122	0.136	0.108	0.	0.02	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/31/86-07/31/86	1	18.	18.	18.	18.	0.	0.	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/31/86-07/31/86	1	80.6	80.6	80.6	80.6	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	07/31/86-07/31/86	1	26.	26.	26.	26.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0408

Parameter				Total	Exceed	Prop.	8/15-11/30			12/01-2/29			3/01-4/14			4/15-8/14		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	9	5	0.56										9	5	0.56
00400	PH	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0409

NPS Station ID: SACN0409
LAT/LON: 45.407226/ -92.830003
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: NORTH CENTER AT CENTER CITY
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 13-0032
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 293.8 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 13.4 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0409

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0410

NPS Station ID: SACN0410
Location: Miss River at Hastings railroad bridge
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 07010206
Major Basin: UPPER MISS
Minor Basin: LOWER PORTION UPPER MISS
RF1 Index: 07010206001
RF3 Index: 04010302000100.21
Description:
Mississippi River at the railroad bridge in Hastings
Waste Control Commission staff during open water season.
Samples are collected weekly except November thru

LAT/LON: 44.749448/ -92.830282

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 1.33

MN. Water Quality samples are collected by Metropolitan
This site is downstream of the MWCC's Hastings WWTF.

Agency: 21MNMWCC
FIPS State/County: 27037 MINNESOTA/DAKOTA
STORET Station ID(s): MWCC030 /UM812.8
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 20.50
Distance from RF3: 2.01

Date Created: 01/22/94

On/Off RF1: ON
On/Off RF3:

Parameter Inventory for Station: SACN0410

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0411

NPS Station ID: SACN0411 LAT/LON: 45.211115/ -92.833338 Agency: 112WRD Date Created: 12/02/81
Location: BIG MARINE LAKE EAST BAY, NR FOREST LAKE, MN FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 451240092500001
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07010206099900.00 RF3 Mile Point: 0.00 Distance from RF3: 0.10 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0411

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/80-11/12/81	42	5.7	10.586	23.	1.9	54.939	7.412	5.1	5.5	18.55	22.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/12/81-03/12/81	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/80-11/12/81	29	169.	183.828	280.	156.	958.648	30.962	157.	158.	210.5	223.
00300	OXYGEN, DISSOLVED MG/L	11/05/80-11/12/81	40	10.5	8.977	12.8	1.5	13.032	3.61	1.71	7.	12.3	12.59
00400	PH (STANDARD UNITS)	11/05/80-11/12/81	41	7.6	7.568	8.2	6.7	0.259	0.509	6.8	7.05	8.1	8.1
00400	CONVERTED PH (STANDARD UNITS)	11/05/80-11/12/81	41	7.6	7.277	8.2	6.7	0.345	0.588	6.8	7.05	8.1	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/80-11/12/81	41	0.025	0.053	0.2	0.006	0.004	0.062	0.008	0.008	0.09	0.158
00403	PH, LAB, STANDARD UNITS SU	11/05/80-11/12/81	9	7.9	7.878	8.	7.4	0.037	0.192	7.4	7.85	8.	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	11/05/80-11/12/81	9	7.9	7.829	8.	7.4	0.04	0.199	7.4	7.85	8.	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/80-11/12/81	9	0.013	0.015	0.04	0.01	0.	0.01	0.01	0.01	0.014	0.04
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/05/80-11/05/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/80-11/12/81	9	88.	87.222	92.	75.	24.194	4.919	75.	87.	90.	92.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/80-11/12/81	9	22.	21.778	24.	18.	2.694	1.641	18.	21.5	22.5	24.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/80-11/12/81	9	7.9	8.022	8.9	7.4	0.164	0.406	7.4	7.85	8.2	8.9
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/80-11/12/81	9	2.6	2.589	2.8	2.3	0.026	0.162	2.3	2.5	2.75	2.8
00931	SODIUM ADSORPTION RATIO	11/05/80-11/12/81	9	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00932	SODIUM, PERCENT	11/05/80-11/12/81	9	6.	5.889	6.	5.	0.111	0.333	5.	6.	6.	6.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/80-11/12/81	9	1.9	2.011	2.5	1.6	0.066	0.257	1.6	1.9	2.2	2.5
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/80-11/12/81	9	4.	4.333	5.	4.	0.25	0.5	4.	4.	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/80-11/12/81	9	2.	2.356	4.	0.2	1.638	1.28	0.2	1.5	3.5	4.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/80-11/05/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/80-11/12/81	5	0.5	0.96	2.5	0.	0.958	0.979	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/05/80-11/05/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/05/80-11/05/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/80-11/12/81	9	112.	112.444	136.	100.	105.028	10.248	100.	105.5	115.5	136.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/05/80-11/12/81	5	92.	90.8	98.	82.	34.7	5.891	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/05/80-11/12/81	9	0.15	0.153	0.18	0.14	0.	0.012	0.14	0.145	0.16	0.18
72025	DEPTH OF POND OR RESERVOIR IN FEET	11/05/80-11/12/81	9	30.	30.267	31.2	30.	0.28	0.529	30.	30.	30.6	31.2
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	11/05/80-08/25/81	7	1.5	1.514	1.9	1.2	0.048	0.219	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0411

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	40	5	0.13	30	5	0.17				10	0	0.00			
00400	PH	Other-Hi Lim.	9.	41	0	0.00	30	0	0.00				10	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	41	0	0.00	30	0	0.00				10	0	0.00	1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	9	0	0.00	5	0	0.00				2	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	9	0	0.00	5	0	0.00				2	0	0.00	2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	5	0	0.00				2	0	0.00	2	0	0.00
		Drinking Water	250.	9	0	0.00	5	0	0.00				2	0	0.00	2	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	5	0	0.00				2	0	0.00	2	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0412

NPS Station ID: SACN0412 | LAT/LON: 45.166670/ -92.833338 | Agency: 21MINNQ | Date Created: 09/17/94
Location: LAKE: CLEAR 1.5 MI SW OF MARINE | FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO | STORET Station ID(s): 82-0045
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: AREA: 12.5 HECTARE M | Elevation: 0 | Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 5.8 M | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1:
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
AREA: - HA SHORE L: - MI ECOL CLASS: - AV DEPTH: - M USE OF SHORELINE: MGMT CLASS: -
MX DEPTH: 6 M FOR - % AGR - % ROUGHFISH: - LANDSAT TYPE: - VOL: - S MUN - % MRSH - % WQ INDEX: - CHLOR IND: -
% LITTORAL: - # DWELL: - SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0412

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0413

NPS Station ID: SACN0413
LAT/LON: 45.166670/ -92.833338
Agency: 21MINNL
Date Created: 08/16/80
Location: LAKE: CLEAR 1.5 MI SW OF MARINE
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0045
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 12.5 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 5.8 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030005082600.00
RF3 Mile Point: 0.52
Distance from RF3: 0.02
On/Off RF3:
Description:
AREA: - HA SHORE L: - MI ECOL CLASS: - AV DEPTH: - M USE OF SHORELINE: MGMT CLASS: -
MX DEPTH: 6 M FOR - % AGR - % ROUGHFISH: - LANDSAT TYPE: - VOL: - S MUN - % MRSH - % WQ INDEX: - CHLOR IND: -
% LITTORAL: - # DWELL: - SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0413

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/06/80-05/06/80	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/06/80-05/06/80	1	290.	290.	290.	290.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/06/80-05/06/80	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/06/80-05/06/80	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/06/80-05/06/80	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/06/80-05/06/80	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/06/80-05/06/80	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/06/80-05/06/80	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/06/80-05/06/80	1	143.	143.	143.	143.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/06/80-05/06/80	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/06/80-05/06/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/06/80-05/06/80	1	0.028	0.028	0.028	0.028	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	05/06/80-05/06/80	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	05/06/80-05/06/80	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/80-05/06/80	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/80-05/06/80	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/06/80-05/06/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/06/80-05/06/80	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/06/80-05/06/80	1	8.	8.	8.	8.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/06/80-05/06/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0413

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00										1	0	0.00
		Drinking Water	2.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0414

NPS Station ID: SACN0414 | LAT/LON: 45.166670/ -92.833338 | Agency: 21MINNQ | Date Created: 09/17/94
Location: LAKE: TERRAPIN 1.5 MI W OF MARINE | FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO | STORET Station ID(s): 82-0031
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: AREA: 34.6 HECTARE M | Elevation: 0 | Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 2.0 M | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1:
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
AREA: - HA SHORE L: - MI ECOL CLASS: - AV DEPTH: - M USE OF SHORELINE: MGMT CLASS: -
MX DEPTH: 2 M FOR - % AGR - % ROUGHFISH: - LANDSAT TYPE: - VOL: - S MUN - % MRSH - % WQ INDEX: - CHLOR IND: -
% LITTORAL: - # DWELL: - SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0414

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0415

NPS Station ID: SACN0415
LAT/LON: 45.166670/ -92.833338
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: MAYS 1.5 MI SW OF MARINE
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0033
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 10.2 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 6.4 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
AREA: - HA SHORE L: - MI ECOL CLASS: - AV DEPTH: - M USE OF SHORELINE: MGMT CLASS: -
MX DEPTH: 6 M FOR - % AGR - % ROUGHFISH: - LANDSAT TYPE: - VOL: - S MUN - % MRSH - % WQ INDEX: - CHLOR IND: -
% LITTORAL: - # DWELL: - SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0415

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0416

NPS Station ID: SACN0416 LAT/LON: 45.211115/ -92.833338 Agency: 112WRD Date Created: 12/02/81
Location: BIG MARINE LAKE NORTH BAY, NR FOREST LAKE, MN FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 451240092500003
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07030005079900.00 RF3 Mile Point: 0.00 Distance from RF3: 0.63 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0416

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/80-11/05/80	8	6.1	6.025	6.1	5.8	0.014	0.116	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/80-11/05/80	8	169.	168.5	170.	164.	3.429	1.852	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/05/80-11/05/80	7	12.	12.043	12.1	12.	0.003	0.053	**	**	**	**
00400	PH (STANDARD UNITS)	11/05/80-11/05/80	8	7.65	7.65	7.7	7.6	0.003	0.053	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/05/80-11/05/80	8	7.647	7.647	7.7	7.6	0.003	0.054	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/80-11/05/80	8	0.023	0.023	0.025	0.02	0.	0.003	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/05/80-11/05/80	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/05/80-11/05/80	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/80-11/05/80	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/05/80-11/05/80	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/80-11/05/80	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/80-11/05/80	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/80-11/05/80	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/80-11/05/80	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	11/05/80-11/05/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	11/05/80-11/05/80	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/80-11/05/80	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/80-11/05/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/80-11/05/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/80-11/05/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/80-11/05/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/05/80-11/05/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/05/80-11/05/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/80-11/05/80	1	102.	102.	102.	102.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/05/80-11/05/80	1	82.	82.	82.	82.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/05/80-11/05/80	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	11/05/80-11/05/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	11/05/80-11/05/80	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0416

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	7	0	0.00	7	0	0.00									
00400	PH	Other-Hi Lim.	9.	8	0	0.00	8	0	0.00									
		Other-Lo Lim.	6.5	8	0	0.00	8	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0417

NPS Station ID: SACN0417
LAT/LON: 45.166670/ -92.833338
Agency: 21MINNL
Date Created: 08/16/80
Location: LAKE: MAYS 1.5 MI SW OF MARINE
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0033
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 10.2 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 6.4 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07030005082600.00
RF3 Mile Point: 0.52
Distance from RF3: 0.02
On/Off RF3:
Description:
AREA: - HA SHORE L: - MI ECOL CLASS: - AV DEPTH: - M USE OF SHORELINE: MGMT CLASS: -
MX DEPTH: 6 M FOR - % AGR - % ROUGHFISH: - LANDSAT TYPE: - VOL: - S MUN - % MRSH - % WQ INDEX: - CHLOR IND: -
% LITTORAL: - # DWELL: - SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0417

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/06/80-05/06/80	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/06/80-05/06/80	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/06/80-05/06/80	1	8.25	8.25	8.25	8.25	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/06/80-05/06/80	1	8.25	8.25	8.25	8.25	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/06/80-05/06/80	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/06/80-05/06/80	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/06/80-05/06/80	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/06/80-05/06/80	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/06/80-05/06/80	1	97.	97.	97.	97.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/06/80-05/06/80	1	1.01	1.01	1.01	1.01	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/06/80-05/06/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/06/80-05/06/80	1	0.049	0.049	0.049	0.049	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	1	92.	92.	92.	92.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	05/06/80-05/06/80	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	05/06/80-05/06/80	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/80-05/06/80	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/80-05/06/80	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/06/80-05/06/80	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/06/80-05/06/80	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/06/80-05/06/80	1	19.	19.	19.	19.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/06/80-05/06/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0417

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00										1	0	0.00
		Drinking Water	2.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0418

NPS Station ID: SACN0418 | LAT/LON: 45.166670/ -92.833338 | Agency: 21MINNL | Date Created: 08/16/80
Location: LAKE: TERRAPIN 1.5 MI W OF MARINE | FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO | STORET Station ID(s): 82-0031
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: AREA: 34.6 HECTARE M | Elevation: 0 | Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 2.0 M | ECO Region:
RF1 Index: 07030005 | RF1 Mile Point: 0.000 | Distance from RF1: 5.10 | On/Off RF1:
RF3 Index: 07030005187200.00 | RF3 Mile Point: 0.05 | Distance from RF3: 0.02 | On/Off RF3:
Description:
AREA: - HA SHORE L: - MI ECOL CLASS: - AV DEPTH: - M USE OF SHORELINE: MGMT CLASS: -
MX DEPTH: 2 M FOR - % AGR - % ROUGHFISH: - LANDSAT TYPE: - VOL: - S MUN - % MRSH - % WQ INDEX: - CHLOR IND: -
% LITTORAL: - # DWELL: - SENS IND: - SECCHI IND: -

Parameter Inventory for Station: SACN0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/06/80-05/06/80	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/06/80-05/06/80	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/06/80-05/06/80	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/06/80-05/06/80	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/06/80-05/06/80	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/06/80-05/06/80	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/06/80-05/06/80	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/06/80-05/06/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/06/80-05/06/80	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/06/80-05/06/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/06/80-05/06/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/06/80-05/06/80	1	0.051	0.051	0.051	0.051	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/06/80-05/06/80	1	102.	102.	102.	102.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	05/06/80-05/06/80	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	05/06/80-05/06/80	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/80-05/06/80	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/80-05/06/80	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/06/80-05/06/80	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/06/80-05/06/80	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/06/80-05/06/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/06/80-05/06/80	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0418

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00										1	0	0.00
		Drinking Water	2.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0419

NPS Station ID: SACN0419 LAT/LON: 45.211115/ -92.833338 Agency: 112WRD Date Created: 12/02/81
Location: BIG MARINE LAKE SOUTH BAY, NR FOREST LAKE, MN FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 451240092500002
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07030005079900.00 RF3 Mile Point: 0.00 Distance from RF3: 0.63 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0419

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/80-11/12/81	60	6.1	10.387	22.7	1.9	49.944	7.067	4.8	5.925	17.075	22.59
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/12/81-03/12/81	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/80-11/12/81	42	165.5	177.024	229.	155.	460.951	21.47	155.	163.	197.	209.1
00300	OXYGEN, DISSOLVED MG/L	11/05/80-11/12/81	58	10.9	9.057	12.3	1.4	12.994	3.605	1.7	7.1	11.9	12.11
00400	PH (STANDARD UNITS)	11/05/80-11/12/81	59	7.7	7.49	8.1	6.8	0.146	0.383	6.9	7.1	7.8	7.9
00400	CONVERTED PH (STANDARD UNITS)	11/05/80-11/12/81	59	7.7	7.315	8.1	6.8	0.178	0.421	6.9	7.1	7.8	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/80-11/12/81	59	0.02	0.048	0.158	0.008	0.002	0.046	0.013	0.016	0.079	0.126
00403	PH, LAB, STANDARD UNITS SU	11/05/80-11/12/81	9	7.8	7.778	8.	7.2	0.062	0.249	7.2	7.7	7.95	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	11/05/80-11/12/81	9	7.8	7.697	8.	7.2	0.069	0.263	7.2	7.7	7.95	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/80-11/12/81	9	0.016	0.02	0.063	0.01	0.	0.017	0.01	0.011	0.02	0.063
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/05/80-11/05/80	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/80-11/12/81	9	87.	88.	110.	75.	97.75	9.887	75.	82.	91.5	110.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/80-11/12/81	9	21.	21.667	27.	18.	6.75	2.598	18.	20.	23.	27.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/80-11/12/81	9	7.9	8.133	9.2	7.4	0.317	0.563	7.4	7.75	8.6	9.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/80-11/12/81	9	2.6	2.589	2.8	2.4	0.016	0.127	2.4	2.5	2.7	2.8
00931	SODIUM ADSORPTION RATIO	11/05/80-11/12/81	9	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00932	SODIUM, PERCENT	11/05/80-11/12/81	9	6.	5.889	6.	5.	0.111	0.333	5.	6.	6.	6.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/80-11/12/81	9	1.9	1.989	2.4	1.8	0.049	0.22	1.8	1.8	2.2	2.4
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/80-11/12/81	9	4.	4.333	5.	4.	0.25	0.5	4.	4.	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/80-11/12/81	9	3.	2.444	3.	0.	1.028	1.014	0.	2.	3.	3.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/80-11/05/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/80-11/12/81	5	1.2	1.52	4.	0.	2.197	1.482	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/05/80-11/05/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/05/80-11/05/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	08/25/81-08/25/81	2	59.4	59.4	59.9	58.9	0.5	0.707	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/80-11/12/81	9	106.	111.444	130.	101.	107.278	10.357	101.	103.5	121.5	130.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/05/80-11/12/81	5	92.	93.2	107.	82.	79.7	8.927	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/05/80-11/12/81	9	0.14	0.151	0.18	0.14	0.	0.015	0.14	0.14	0.165	0.18
72025	DEPTH OF POND OR RESERVOIR IN FEET	11/05/80-11/12/81	9	53.	48.511	53.	32.8	79.341	8.907	32.8	42.9	53.	53.
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	11/05/80-08/25/81	7	1.4	1.5	1.8	1.3	0.03	0.173	**	**	**	**
82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	08/25/81-08/25/81	3	-32.5	-23.85	-3.55	-35.5	311.318	17.644	**	**	**	**
82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	08/25/81-08/25/81	3	-2.4	-2.4	-2.3	-2.5	0.01	0.1	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0419

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	58	8	0.14	44	8	0.18				14	0	0.00			
00400	PH	Other-Hi Lim.	9.	59	0	0.00	44	0	0.00				14	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	59	0	0.00	44	0	0.00				14	0	0.00	1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	9	0	0.00	5	0	0.00				2	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	9	0	0.00	5	0	0.00				2	0	0.00	2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	5	0	0.00				2	0	0.00	2	0	0.00
		Drinking Water	250.	9	0	0.00	5	0	0.00				2	0	0.00	2	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	5	0	0.00				2	0	0.00	2	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
07000	TRITIUM, TOTAL	Drinking Water	20000.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0420

NPS Station ID: SACN0420 LAT/LON: 45.211115/ -92.833338 Agency: 112WRD Date Created: 05/14/83
Location: 031N20W05CDD OUTLET OF B MARINE AT CO RD 4 FIPS State/County: 27167 MINNESOTA/WILKIN
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 451240092500005
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 07030005078600.00 RF3 Mile Point: 0.00 Distance from RF3: 0.11 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0420

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/81-11/12/81	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/81-11/12/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/81-11/12/81	1	137.	137.	137.	137.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/12/81-11/12/81	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/12/81-11/12/81	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/81-11/12/81	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/12/81-11/12/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/12/81-11/12/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/81-11/12/81	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/12/81-11/12/81	1	79.	79.	79.	79.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/12/81-11/12/81	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/12/81-11/12/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/12/81-11/12/81	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	11/12/81-11/12/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	11/12/81-11/12/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/12/81-11/12/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/12/81-11/12/81	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/81-11/12/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/12/81-11/12/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/12/81-11/12/81	1	95.	95.	95.	95.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/12/81-11/12/81	1	82.	82.	82.	82.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/12/81-11/12/81	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/12/81-11/12/81	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0420

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0420

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0421

NPS Station ID: SACN0421
LAT/LON: 45.163337/ -92.837782
Agency: 21MINNL
Date Created: 03/12/94
Location: LAKE: WEST BOOT 9 MI N OF STILLWATER
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0044
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 13.8 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 10.4 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0421

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078 TRANSPARENCY, SECCHI DISC (METERS)	06/08/91-09/07/91	4	1.905	1.945	2.29	1.68	0.068	0.261	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0422

NPS Station ID: SACN0422
LAT/LON: 45.163337/ -92.837782
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: WEST BOOT 9 MI N OF STILLWATER
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0044
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 13.8 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 10.4 M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0422

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0423

NPS Station ID: SACN0423
LAT/LON: 44.750005/ -92.838892
Agency: 31M&WPCB
Date Created: 05/26/78
Location: SPRING LAKE
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UMS-24
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER PORTION UPPER MISSISSIPPI RIVER
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 2.030
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206126000.04
RF3 Mile Point: 0.04
Distance from RF3: 0.04
On/Off RF3:
Description:
DATA FROM MINN-WISC PCB INTERAGENLY TASK FORCE REPORT "PCBS IN THE UPPER MISSISSIPPI RIVER BASIN"
SEDIMENT AND WATER SAMPLE SAMPLE FROM MISSISSIPPI RIVER U. S. L. AND D. POOL NO. 2 AT RIVER MILE
16

Parameter Inventory for Station: SACN0423

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	1	30.	30.	30.	30.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0424

NPS Station ID: SACN0424
LAT/LON: 44.735282/ -92.840005
Agency: 12MIWID
Date Created: 04/09/76
Location: PROFILE EXTRUSIONS, HASTINGS, MN
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/IND/TREATD/OUTFL/ESTURY
STORET Station ID(s): PROFIL /MN 0003417
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 1
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISS
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 2.030
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206000101.12
RF3 Mile Point: 2.58
Distance from RF3: 0.04
On/Off RF3:
Description:
SAMPLING STATION IS LOCATED IN FRONT OF PLANT NEXT TO STREET WHERE DRAIN TILE DISCHARGES INTO OPEN CULVERT

Parameter Inventory for Station: SACN0424

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0425

NPS Station ID: SACN0425
LAT/LON: 44.744198/ -92.847255
Agency: 12MIWID
Date Created: 04/09/76
Location: HASTINGS MN WWTP INFLUENT
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/MUN/NTRTMT/INTAKE/ESTURY
STORET Station ID(s): HASTIN /MN 0029955
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 500
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISS
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 2.420
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07040001047200.00
RF3 Mile Point: 1.04
Distance from RF3: 0.09
On/Off RF3:
Description:
INFLUENT SAMPLED FOLLOWING BAR SCREEN

Parameter Inventory for Station: SACN0425

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0426

NPS Station ID: SACN0426
LAT/LON: 45.163616/ -92.847504
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: BASS 4 MI SW OF MARINE
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0035
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 22.3 HECTARE B
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: - M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0426

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0427

NPS Station ID: SACN0427
LAT/LON: 45.163616/ -92.847504
Agency: 21MINNL
Date Created: 07/20/91
Location: LAKE: BASS 4 MI SW OF MARINE
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0035
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 22.3 HECTARE B
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: - M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 24.90
On/Off RF1:
RF3 Index: 07030005099500.00
RF3 Mile Point: 0.21
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0427

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/21/91-08/26/92	6	1.61	1.628	1.98	1.37	0.046	0.214	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/21/91-08/26/92	6	150.	153.333	170.	140.	106.667	10.328	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/21/91-08/26/92	6	8.25	8.283	8.7	8.	0.078	0.279	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/21/91-08/26/92	6	8.247	8.216	8.7	8.	0.083	0.288	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/21/91-08/26/92	6	0.006	0.006	0.01	0.002	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/91-08/26/92	5	89.	87.	93.	76.	42.5	6.519	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/21/91-08/26/92	6	0.96	1.565	4.8	0.78	2.527	1.59	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/21/91-08/26/92	6	0.015	0.043	0.15	0.003	0.003	0.058	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/21/91-08/26/92	6	0.03	0.03	0.05	0.01	0.	0.014	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/21/91-08/26/92	6	18.	16.5	27.	5.	95.9	9.793	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/21/91-08/26/92	6 ##	0.01	0.018	0.06	0.005	0.	0.021	**	**	**	**
82903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE METERS	06/21/91-08/26/92	6	3.95	3.983	4.6	3.7	0.11	0.331	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0427

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00403	PH, LAB	Other-Hi Lim.	9.	6	0	0.00	2	0	0.00							4	0	0.00
		Other-Lo Lim.	6.5	6	0	0.00	2	0	0.00							4	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00	2	0	0.00							4	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0428

NPS Station ID: SACN0428
LAT/LON: 44.750005/ -92.850004
Agency: 11EPALES
Date Created: / /
Location: MISSISSIPPI RIVER
FIPS State/County: 27000 MINNESOTA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 27A4A4 /LS27A4A4
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 0
Aquifer:
Major Basin: T/LAKE PEPIN
Elevation: 0
Water Body Id:
Minor Basin: US 61 BRDG N HASTINGS ABOVESTP
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 2.690
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07040001000408.26
RF3 Mile Point: 8.58
Distance from RF3: 0.15
On/Off RF3:
Description:
FROM BANK US 61 BRDG AT N EDGE HASTINGS ABOVE STP

Parameter Inventory for Station: SACN0428

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/72-09/22/73	11	0.23	0.337	0.74	0.032	0.055	0.234	0.043	0.14	0.51	0.71
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/22/73	11	0.024	0.025	0.054	0.004	0.	0.015	0.006	0.013	0.032	0.053
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/14/72-09/22/73	11	2.1	1.782	2.8	0.231	1.044	1.022	0.252	0.62	2.8	2.8
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/14/72-09/22/73	11	1.8	1.776	2.1	1.26	0.078	0.279	1.288	1.55	2.	2.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/72-09/22/73	11	2.1	1.801	2.9	0.26	1.042	1.021	0.282	0.64	2.8	2.88
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/72-09/22/73	11	0.25	0.255	0.37	0.17	0.005	0.068	0.17	0.2	0.29	0.368
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/14/72-09/22/73	11	0.132	0.136	0.25	0.034	0.004	0.066	0.04	0.069	0.189	0.242

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0428

				Total	Exceed	Prop.	----------8/15-11/30----------			----------12/01-2/29----------			----------3/01-4/14----------			----------4/15-8/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0429

NPS Station ID: SACN0429
LAT/LON: 45.728059/ -92.850004
Agency: 21MINN
Date Created: 02/12/94
Location: ST. CROIX R NEAR STEVEN'S CREEK
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): SC126 /SC-83
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005026
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST. CROIX RIVER T37NR20WS4 PINE COUNTY Fish were collected by the Minnesota Department of Natural Resources
for analysis of toxics in tissue.

Parameter Inventory for Station: SACN0429

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	09/26/91-09/26/91	2	7.85	7.85	10.1	5.6	10.125	3.182	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/26/91-09/26/91	2	24.7	24.7	27.2	22.2	12.5	3.536	**	**	**	**
04263	INVALID PARAMETER	09/26/91-09/26/91	2	910930.	910930.	910930.	910930.	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	09/26/91-09/26/91	2	0.015	0.015	0.018	0.012	0.	0.004	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	09/26/91-09/26/91	2	5.4	5.4	5.7	5.1	0.18	0.424	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/26/91-09/26/91	2	0.015	0.015	0.018	0.012	0.	0.004	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/26/91-09/26/91	2	0.155	0.155	0.18	0.13	0.001	0.035	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/26/91-09/26/91	2	2.	2.	3.	1.	2.	1.414	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0430

NPS Station ID: SACN0430
LAT/LON: 45.728059/ -92.850004
Agency: 21MINNQ
Date Created: 09/17/94
Location: ST. CROIX R NEAR STEVEN'S CREEK
FIPS State/County: 27115 MINNESOTA/PINE
Station Type: /TYPA/AMBNT/STREAM/TISSUE
STORET Station ID(s): SC126 /SC-83
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER
ECO Region:
RF1 Index: 07030005026
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
ST. CROIX RIVER T37NR20WS4 PINE COUNTY Fish were collected by the Minnesota Department of Natural Resources for analysis of toxics in tissue.

Parameter Inventory for Station: SACN0430

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0431

NPS Station ID: SACN0431
LAT/LON: 44.746670/ -92.850560
Agency: 21MNMWCC
Date Created: 01/22/94
Location: Miss River at Hastings US Hwy 61 bridge
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): MWCC029 /UM813.9
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISS
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
Mississippi River downstream of US Hwy 61 bridge in Hastings MN. Water Quality samples are collected by Metropolitan Waste Control Commission staff during open water season. This site is downstream of the Hastings Lock and Dam No. 2 and is just upstream of the MWCC's Hastings WWTF.

Parameter Inventory for Station: SACN0431

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0432

NPS Station ID: SACN0432
LAT/LON: 44.746670/ -92.852226
Agency: 112WRD
Date Created: / /
Location: MISSISSIPPI RIVER BELOW L&D #2 AT HASTINGS, MN
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05331580
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 2.570
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206111200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	52	6.5	9.933	27.	0.	93.559	9.673	0.	1.	18.75	24.85
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/18/75-01/21/77	16	18.	6.344	28.	-20.	234.524	15.314	2.	5.375	-2.	-15.45
00060	FLOW, STREAM, MEAN DAILY CFS	03/01/38-01/21/77	18	5500.	9717.778	28600.	1380.	77215335.948	8787.226	1758.	2865.	16400.	26710.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/10/73-09/14/76	37	6900.	11544.865	48400.	900.	134965959.009	11617.485	2260.	5200.	13350.	35740.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/01/36-12/21/76	47	10.	14.745	70.	1.	150.499	12.268	3.	7.	20.	30.
00080	COLOR (PLATINUM-COBALT UNITS)	12/19/72-01/21/77	48	30.	30.708	65.	8.	142.424	11.934	15.9	20.	40.	46.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/28/72-01/21/77	50	495.	498.7	800.	350.	8965.684	94.687	380.	440.	550.	606.6
00300	OXYGEN, DISSOLVED MG/L	01/01/36-01/21/77	48	10.15	10.05	14.4	4.7	7.409	2.722	6.69	7.4	12.45	13.6
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/01/36-01/21/77	45	88.	87.753	120.	33.	222.615	14.92	74.2	83.	95.	101.
00310	BOD, 5 DAY, 20 DEG C MG/L	01/01/36-12/21/76	44	4.1	4.88	12.	1.1	7.604	2.758	2.	3.425	5.8	10.35
00400	PH (STANDARD UNITS)	01/01/36-01/21/77	47	8.	7.996	8.7	7.	0.146	0.382	7.5	7.7	8.2	8.6
00400	CONVERTED PH (STANDARD UNITS)	01/01/36-01/21/77	47	8.	7.833	8.7	7.	0.173	0.415	7.5	7.7	8.2	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/01/36-01/21/77	47	0.01	0.015	0.1	0.002	0.	0.016	0.003	0.006	0.02	0.032
00405	CARBON DIOXIDE (MG/L AS CO2)	12/19/72-01/21/77	47	3.6	5.326	37.	0.6	37.429	6.118	0.88	1.9	7.2	11.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/72-01/21/77	47	181.	180.66	253.	67.	949.751	30.818	148.	171.	198.	210.4
00440	BICARBONATE ION (MG/L AS HCO3)	12/19/72-01/21/77	47	221.	220.319	309.	82.	1417.352	37.648	181.	208.	242.	256.8
00445	CARBONATE ION (MG/L AS CO3)	11/28/72-01/21/77	37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	05/07/73-10/10/73	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	11/28/73-12/21/76	39	3.6	3.995	13.	2.1	3.965	1.991	2.3	2.7	4.7	6.3
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/01/67-12/21/76	45	1.4	1.56	3.4	0.07	0.564	0.751	0.706	0.955	2.	2.78
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/19/72-12/21/76	40	0.87	0.819	3.9	0.005	0.476	0.69	0.163	0.273	1.175	1.49
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/01/67-12/21/76	45	0.88	0.886	3.9	0.005	0.443	0.665	0.206	0.365	1.2	1.6
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/19/72-12/21/76	45	0.03	0.081	0.88	0.005	0.03	0.174	0.007	0.01	0.05	0.23
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12/19/72-12/21/76	45	0.65	2.044	32.	0.07	23.79	4.877	0.132	0.37	2.	3.66
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/01/67-12/21/76	46	2.2	2.457	5.9	0.54	0.803	0.896	1.6	1.875	3.	3.8
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/28/73-12/21/76	39	0.85	1.432	9.8	0.11	3.131	1.77	0.17	0.43	1.8	3.6
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/19/72-12/21/76	46	0.85	2.089	32.	0.1	23.12	4.808	0.2	0.475	1.95	3.62
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/01/67-04/17/74	4	0.285	0.258	0.32	0.14	0.007	0.085	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/19/72-12/21/76	43	0.2	0.213	0.68	0.06	0.013	0.114	0.084	0.13	0.27	0.338
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-10/10/73	2	0.005	0.005	0.01	0.	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/19/72-01/21/77	47	220.	220.	300.	170.	1013.043	31.828	180.	200.	230.	274.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	12/19/72-01/21/77	47	33.	39.17	150.	4.	770.405	27.756	14.6	18.	52.	72.8
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/19/72-01/21/77	47	53.	54.638	73.	41.	59.105	7.688	46.8	49.	58.	68.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/19/72-01/21/77	47	19.	20.255	28.	15.	10.89	3.3	16.	18.	22.	26.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/19/72-01/21/77	47	18.	19.353	47.	7.7	96.584	9.828	9.68	13.	21.	41.2
00931	SODIUM ADSORPTION RATIO	12/19/72-01/21/77	47	0.5	0.557	1.2	0.2	0.072	0.268	0.3	0.4	0.6	1.12
00932	SODIUM, PERCENT	12/19/72-01/21/77	47	15.	15.362	29.	8.	33.888	5.821	8.	10.	18.	24.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/19/72-01/21/77	47	3.3	3.496	5.2	2.4	0.432	0.657	2.7	3.1	3.8	4.74

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	12/19/72-01/21/77	47	20.	23.17	59.	10.	147.579	12.148	12.	15.	25.	47.6
00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/72-01/21/77	47	41.	43.638	99.	24.	272.323	16.502	26.	31.	51.	69.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/19/72-01/21/77	46	0.3	0.315	1.	0.1	0.028	0.169	0.2	0.2	0.4	0.46
00951	FLUORIDE, TOTAL (MG/L AS F)	10/10/73-10/10/73	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/06/70-05/07/73	2 ##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/10/73-10/10/73	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/07/73-05/07/73	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	10/10/73-10/10/73	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/07/73-05/07/73	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/07/73-10/10/73	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/07/73-10/10/73	2	80.	80.	90.	70.	200.	14.142	**	**	**	**
01021	BORON, SUSPENDED (UG/L AS B)	10/10/73-10/10/73	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	10/10/73-10/10/73	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/06/70-05/07/73	2 ##	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/07/73-10/10/73	2 ##	5.	5.	10.	0.	50.	7.071	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/06/70-05/07/73	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/06/70-05/07/73	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/10/73-10/10/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/06/70-05/07/73	2 ##	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	05/07/73-10/10/73	2 ##	16.25	16.25	20.	12.5	28.125	5.303	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/07/73-10/10/73	2 ##	11.5	11.5	13.	10.	4.5	2.121	**	**	**	**
01041	COPPER, SUSPENDED (UG/L AS CU)	10/10/73-10/10/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/07/73-10/10/73	2 ##	15.	15.	20.	10.	50.	7.071	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/07/73-10/10/73	2	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/07/73-10/10/73	2	270.	270.	430.	110.	51200.	226.274	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/06/70-05/07/73	2	1.5	1.5	3.	0.	4.5	2.121	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/07/73-10/10/73	2 ##	62.5	62.5	100.	25.	2812.5	53.033	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	10/10/73-10/10/73	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/07/73-10/10/73	2	160.	160.	160.	160.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/07/73-10/10/73	2	380.	380.	680.	80.	180000.	424.264	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	05/07/73-05/07/73	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	10/10/73-10/10/73	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/07/73-05/07/73	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/07/73-10/10/73	2	37.5	37.5	50.	25.	312.5	17.678	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	05/07/73-05/07/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	05/07/73-10/10/73	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	05/07/73-10/10/73	2	180.	180.	190.	170.	200.	14.142	**	**	**	**
01081	STRONTIUM, SUSPENDED (UG/L AS SR)	10/10/73-10/10/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	10/10/73-10/10/73	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	05/07/73-05/07/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01087	VANADIUM, TOTAL (UG/L AS V)	10/10/73-10/10/73	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/06/70-10/10/73	3	40.	97.	230.	21.	13357.	115.572	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/07/73-05/07/73	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/73-10/10/73	2	405.	405.	450.	360.	4050.	63.64	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/07/73-10/10/73	2 ##	95.	95.	140.	50.	4050.	63.64	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	10/10/73-10/10/73	1	310.	310.	310.	310.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	05/07/73-05/07/73	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	10/10/73-10/10/73	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/07/73-05/07/73	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/10/73-10/10/73	1	7.	7.	7.	7.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/01/36-06/13/73	4	17950.	29550.	79000.	3300.	1201830000.	34667.42	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/01/36-06/13/73	4	4.172	4.19	4.898	3.519	0.368	0.606	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			15496.426								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/19/72-12/19/73	9	330.	3089.333	23000.	40.	56812859.	7537.431	40.	82.	1895.	23000.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/19/72-12/19/73	9	2.519	2.57	4.362	1.602	0.777	0.881	1.602	1.903	3.104	4.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			371.79								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/10/73-12/21/76	38	40.	251.671	2280.	0.	316434.233	562.525	0.	8.	191.	668.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/10/73-12/21/76	38	1.602	1.526	3.358	-0.301	1.068	1.033	0.	0.903	2.281	2.775
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			33.602								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/74-09/14/76	27	20.	114.759	1500.	0.	85979.026	293.222	0.	4.	70.	276.8
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/24/74-09/14/76	27	1.301	1.205	3.176	-0.301	0.894	0.946	0.	0.602	1.845	2.439
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			16.016								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/19/72-01/21/77	45	4.	5.067	19.	0.	18.2	4.266	1.	2.	8.	10.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	12/19/72-12/21/76	46	30.5	32.087	110.	1.	708.57	26.619	5.7	10.	43.25	76.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/19/72-01/21/77	45	302.	312.111	435.	238.	2444.783	49.445	255.2	278.	334.5	389.4
70302	SOLIDS, DISSOLVED-TONS PER DAY	12/19/72-01/21/77	47	5140.	9041.915	44600.	860.	86204146.253	9284.619	1828.	3600.	12400.	24200.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/19/72-01/21/77	47	0.41	0.428	0.61	0.32	0.005	0.071	0.35	0.38	0.46	0.538
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/10/73-10/10/73	1	23.	23.	23.	23.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	12/19/72-12/21/76	40	1.1	1.049	5.	0.	0.779	0.883	0.213	0.353	1.475	1.89
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	12/19/72-12/21/76	45	2.9	8.933	140.	0.3	454.993	21.331	0.56	1.65	8.7	15.8
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/19/72-12/21/76	45	0.1	0.261	2.9	0.	0.322	0.567	0.018	0.03	0.16	0.738
71887	NITROGEN, TOTAL, AS NO3 - MG/L	11/28/73-12/21/76	39	16.	17.615	56.	9.3	75.337	8.68	10.	12.	21.	28.
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/07/73-05/07/73	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/06/70-10/10/73	3 ##	0.25	0.267	0.3	0.25	0.001	0.029	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0432

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	47	1	0.02	12	0	0.00	12	0	0.00	4	0	0.00	19	1	0.05
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	48	0	0.00	14	0	0.00	12	0	0.00	4	0	0.00	18	0	0.00
00400	PH	Other-Hi Lim.	9.	47	0	0.00	12	0	0.00	13	0	0.00	4	0	0.00	18	0	0.00
		Other-Lo Lim.	6.5	47	0	0.00	12	0	0.00	13	0	0.00	4	0	0.00	18	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	45	0	0.00	12	0	0.00	11	0	0.00	4	0	0.00	18	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	45	1	0.02	12	1	0.08	11	0	0.00	4	0	0.00	18	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	39	0	0.00	10	0	0.00	11	0	0.00	4	0	0.00	14	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	46	1	0.02	12	1	0.08	12	0	0.00	4	0	0.00	18	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	0.2	2	0	0.00	1	0	0.00							1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	47	0	0.00	12	0	0.00	13	0	0.00	4	0	0.00	18	0	0.00
		Drinking Water	250.	47	0	0.00	12	0	0.00	13	0	0.00	4	0	0.00	18	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	47	0	0.00	12	0	0.00	13	0	0.00	4	0	0.00	18	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	46	0	0.00	11	0	0.00	13	0	0.00	4	0	0.00	18	0	0.00
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	50.	2	0	0.00	1	0	0.00							1	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00										1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00										1	0	0.00
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	4.	0 &	0	0.00												
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	5.	2	0	0.00	1	0	0.00							1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	0	0.00										1	0	0.00
		Drinking Water	5.	1 &	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00	1	0	0.00							1	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	100.	2	0	0.00	1	0	0.00							1	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	1300.	2	0	0.00	1	0	0.00							1	0	0.00
01041	COPPER, SUSPENDED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50	1	0	0.00							1	1	1.00
		Drinking Water	1300.	2	0	0.00	1	0	0.00							1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	15.	2	0	0.00	1	0	0.00							1	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	1 &	0	0.00	1	0	0.00									
		Drinking Water	15.	0 &	0	0.00												

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0432

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	100.	2	0	0.00	1	0	0.00							1	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	2	0	0.00	1	0	0.00							1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	3	1	0.33	2	1	0.50							1	0	0.00
		Drinking Water	5000.	3	0	0.00	2	0	0.00							1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00										1	0	0.00
		Drinking Water	50.	1	0	0.00										1	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	4	4	1.00				1	1	1.00				3	3	1.00
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	5	0.56	3	1	0.33	2	1	0.50				4	3	0.75
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	9	0.24	10	1	0.10	10	2	0.20	4	0	0.00	14	6	0.43
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	45	1	0.02	12	1	0.08	11	0	0.00	4	0	0.00	18	0	0.00
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	45	0	0.00	12	0	0.00	11	0	0.00	4	0	0.00	18	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00										1	0	0.00
		Drinking Water	2.	1	0	0.00										1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	2	0	0.00							1	0	0.00
		Drinking Water	2.	3	0	0.00	2	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/01/36-12/21/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	12/19/72-01/21/77	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/28/72-01/21/77	2	560.	560.	600.	520.	3200.	56.569	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	12	11.5	10.792	26.	0.	82.794	9.099	0.3	1.5	17.375	25.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/01/36-12/21/76	9	20.	18.222	30.	4.	78.444	8.857	4.	10.	25.	30.
00080	COLOR (PLATINUM-COBALT UNITS)	12/19/72-01/21/77	9	40.	36.667	50.	30.	50.	7.071	30.	30.	40.	50.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/28/72-01/21/77	10	527.5	519.5	607.	400.	5783.389	76.049	400.9	459.25	585.75	606.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	12	10.5	10.333	26.	0.	99.879	9.994	0.	0.	19.5	25.1
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/01/36-12/21/76	12	10.	14.083	40.	3.	111.174	10.544	3.	6.25	20.	34.
00080	COLOR (PLATINUM-COBALT UNITS)	12/19/72-01/21/77	12	30.	33.333	50.	20.	96.97	9.847	20.	30.	40.	50.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/28/72-01/21/77	12	440.	426.25	500.	350.	2786.932	52.791	356.	372.5	472.5	500.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	13	4.	9.308	26.	0.	103.772	10.187	0.	0.5	19.	25.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/01/36-12/21/76	13	8.	15.231	70.	1.	357.859	18.917	1.8	4.	24.5	53.6
00080	COLOR (PLATINUM-COBALT UNITS)	12/19/72-01/21/77	13	20.	26.231	65.	8.	218.192	14.771	8.8	19.	32.5	55.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/28/72-01/21/77	13	470.	475.769	550.	380.	3332.692	57.729	388.	435.	540.	548.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	12	10.	11.75	27.	0.	107.659	10.376	0.	2.	22.375	26.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/01/36-12/21/76	12	12.5	12.833	31.	3.	51.97	7.209	3.6	8.5	15.	26.8
00080	COLOR (PLATINUM-COBALT UNITS)	12/19/72-01/21/77	12	30.	28.417	46.	9.	156.447	12.508	10.8	16.5	38.75	45.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/28/72-01/21/77	12	532.5	543.333	785.	380.	10642.424	103.162	401.	482.5	605.	738.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	12/19/72-01/21/77	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/28/72-01/21/77	1	800.	800.	800.	800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	13	8.	9.731	19.	0.	61.901	7.868	0.4	2.	17.75	19.
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	01/01/36-12/21/76	12	10.	10.583	20.	1.	29.356	5.418	2.8	8.	13.75	20.
00300p	OXYGEN, DISSOLVED MG/L	01/01/36-01/21/77	14	10.9	10.871	14.2	6.6	7.585	2.754	7.1	8.55	13.6	14.1
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/01/36-01/21/77	12	93.	92.167	111.	73.	130.515	11.424	74.5	83.25	97.5	110.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/01/36-12/21/76	11	6.1	6.245	12.	1.1	11.051	3.324	1.56	3.5	8.6	11.8
00400p	PH (STANDARD UNITS)	01/01/36-01/21/77	12	8.05	8.125	8.7	7.7	0.113	0.336	7.73	7.825	8.45	8.67
00400p	CONVERTED PH (STANDARD UNITS)	01/01/36-01/21/77	12	8.047	8.023	8.7	7.7	0.124	0.353	7.73	7.825	8.45	8.67
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/01/36-01/21/77	12	0.009	0.009	0.02	0.002	0.	0.006	0.002	0.004	0.015	0.019
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/01/67-12/21/76	12	1.85	1.784	3.1	0.8	0.527	0.726	0.833	1.075	2.275	2.98
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/01/67-12/21/76	12	0.94	0.944	2.	0.005	0.364	0.603	0.052	0.468	1.5	1.88
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/01/67-12/21/76	12	2.55	2.725	4.3	1.7	0.627	0.792	1.73	2.05	3.175	4.15

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	15	0.	0.4	1.5	0.	0.364	0.604	0.	0.	1.	1.5
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	01/01/36-12/21/76	12	4.5	5.333	10.	3.	6.97	2.64	3.	3.	7.5	10.
00300p	OXYGEN, DISSOLVED MG/L	01/01/36-01/21/77	12	11.8	10.917	14.4	4.7	8.389	2.896	4.97	10.575	12.275	14.13
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/01/36-01/21/77	12	84.5	77.5	101.	33.	427.727	20.682	34.8	75.25	87.	99.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/01/36-12/21/76	11	3.	3.291	6.7	1.6	1.967	1.402	1.68	2.1	4.	6.16
00400p	PH (STANDARD UNITS)	01/01/36-01/21/77	13	7.8	7.785	8.6	7.4	0.1	0.316	7.44	7.55	7.9	8.4
00400p	CONVERTED PH (STANDARD UNITS)	01/01/36-01/21/77	13	7.8	7.704	8.6	7.4	0.107	0.327	7.44	7.55	7.9	8.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/01/36-01/21/77	13	0.016	0.02	0.04	0.003	0.	0.011	0.005	0.013	0.028	0.037
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/01/67-12/21/76	11	1.	1.209	2.	0.6	0.287	0.536	0.62	0.8	1.9	2.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/01/67-12/21/76	11	1.3	1.37	3.9	0.23	0.83	0.911	0.376	0.98	1.4	3.44
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/01/67-12/21/76	12	2.2	2.617	5.9	1.6	1.278	1.13	1.72	2.	3.	5.03

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	5	4.	2.8	5.	0.	4.7	2.168	**	**	**	**
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	01/01/36-12/21/76	4	8.5	13.	31.	4.	150.	12.247	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	01/01/36-01/21/77	4	12.65	12.475	13.2	11.4	0.716	0.846	**	**	**	**
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/01/36-01/21/77	4	92.5	93.25	99.	89.	17.583	4.193	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/01/36-12/21/76	4	2.8	2.675	4.	1.1	1.849	1.36	**	**	**	**
00400p	PH (STANDARD UNITS)	01/01/36-01/21/77	4	8.	7.85	8.4	7.	0.357	0.597	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	01/01/36-01/21/77	4	8.	7.509	8.4	7.	0.512	0.716	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/01/36-01/21/77	4	0.01	0.031	0.1	0.004	0.002	0.046	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/01/67-12/21/76	4	0.755	1.053	2.	0.7	0.401	0.633	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/01/67-12/21/76	4	0.995	0.855	1.1	0.33	0.132	0.364	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/01/67-12/21/76	4	1.85	1.9	2.3	1.6	0.087	0.294	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/01/36-01/21/77	19	20.	19.474	27.	9.	36.513	6.043	11.	13.	25.	26.
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	01/01/36-12/21/76	19	20.	23.684	70.	10.	181.784	13.483	10.	15.	29.	40.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

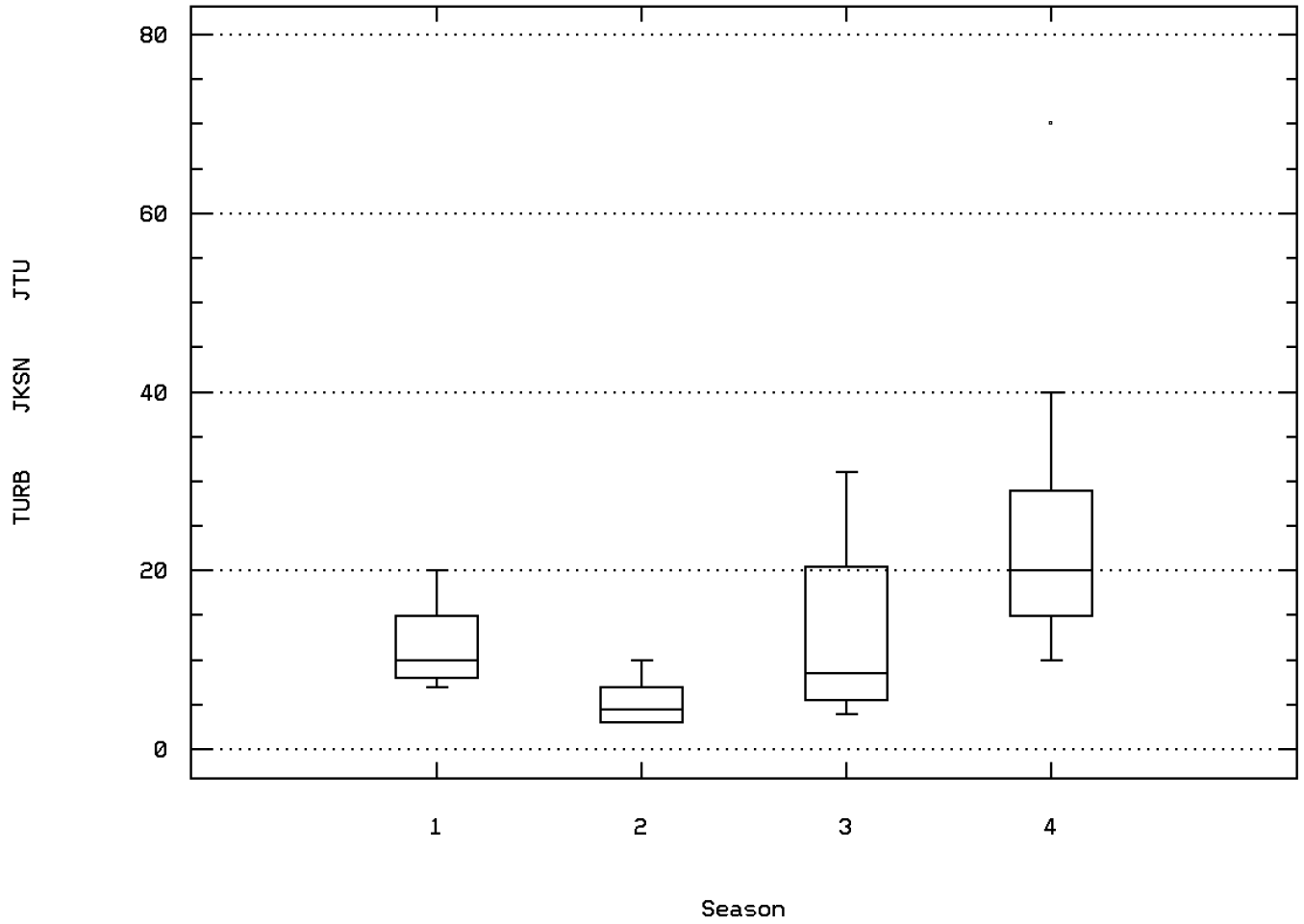
Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	01/01/36-01/21/77	18	7.4	8.294	12.6	5.8	3.395	1.842	6.61	6.95	9.65	11.52
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/01/36-01/21/77	17	88.	90.582	120.	72.	115.59	10.751	80.	83.	96.	104.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	01/01/36-12/21/76	18	4.55	5.506	12.	2.9	6.851	2.617	3.53	3.95	5.8	11.1
00400p	PH (STANDARD UNITS)	01/01/36-01/21/77	18	8.05	8.094	8.7	7.5	0.126	0.356	7.59	7.925	8.3	8.7
00400p	CONVERTED PH (STANDARD UNITS)	01/01/36-01/21/77	18	8.047	7.965	8.7	7.5	0.144	0.38	7.59	7.925	8.3	8.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/01/36-01/21/77	18	0.009	0.011	0.032	0.002	0.	0.009	0.002	0.005	0.012	0.026
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/01/67-12/21/76	18	1.5	1.737	3.4	0.07	0.671	0.819	0.997	1.375	1.95	3.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/01/67-12/21/76	18	0.455	0.559	1.4	0.11	0.131	0.362	0.164	0.278	0.855	1.22
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/01/67-12/21/76	18	2.15	2.297	3.8	0.54	0.707	0.841	1.314	1.775	2.875	3.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0432 Parameter Code: 00070

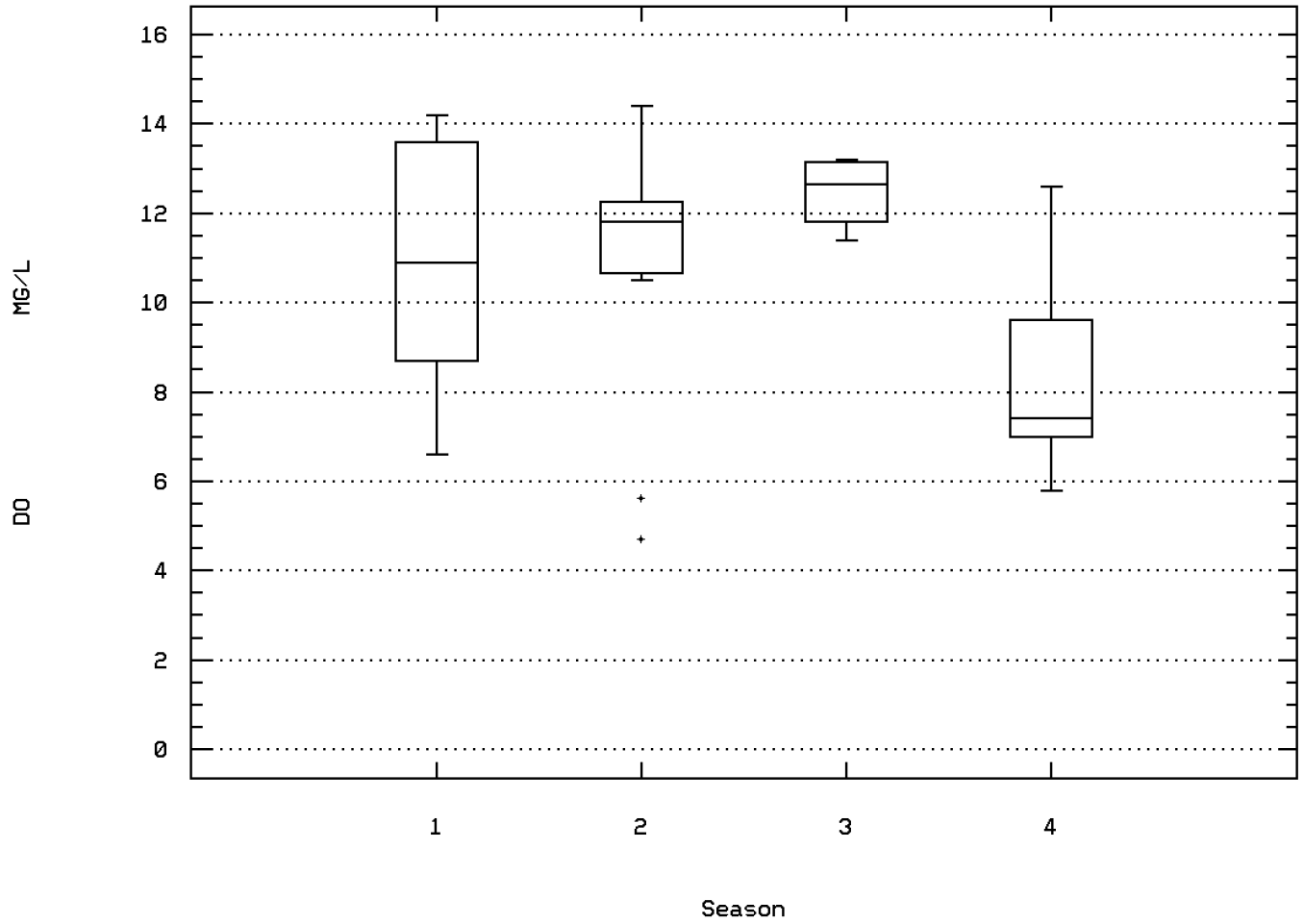
TURBIDITY, (JACKSON CANDLE UNITS)



MISSISSIPPI RIVER BELOW L&D #2 AT HASTI

Station: SACN0432 Parameter Code: 00300

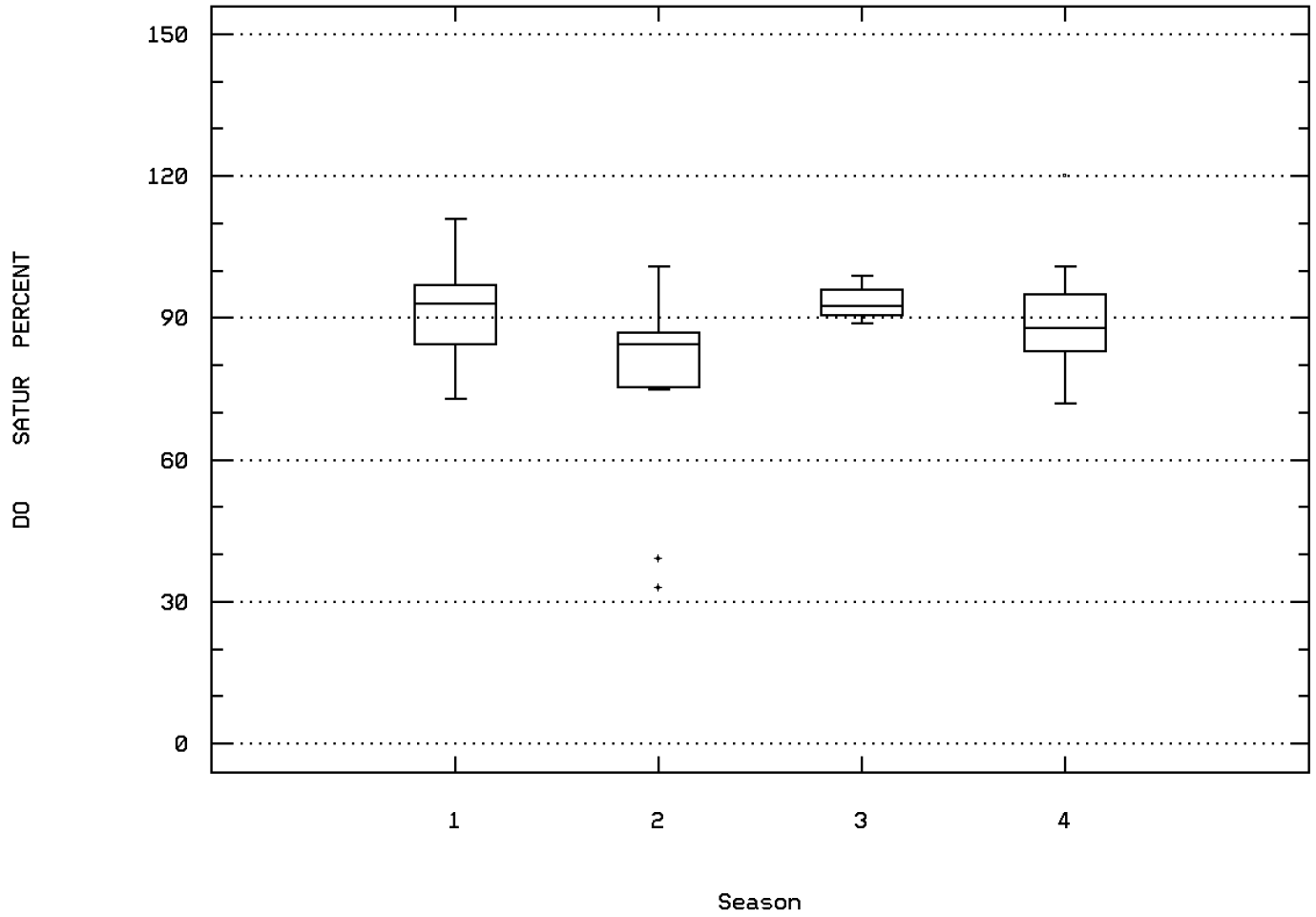
OXYGEN, DISSOLVED



MISSISSIPPI RIVER BELOW L&D #2 AT HASTI

Station: SACN0432 Parameter Code: 00301

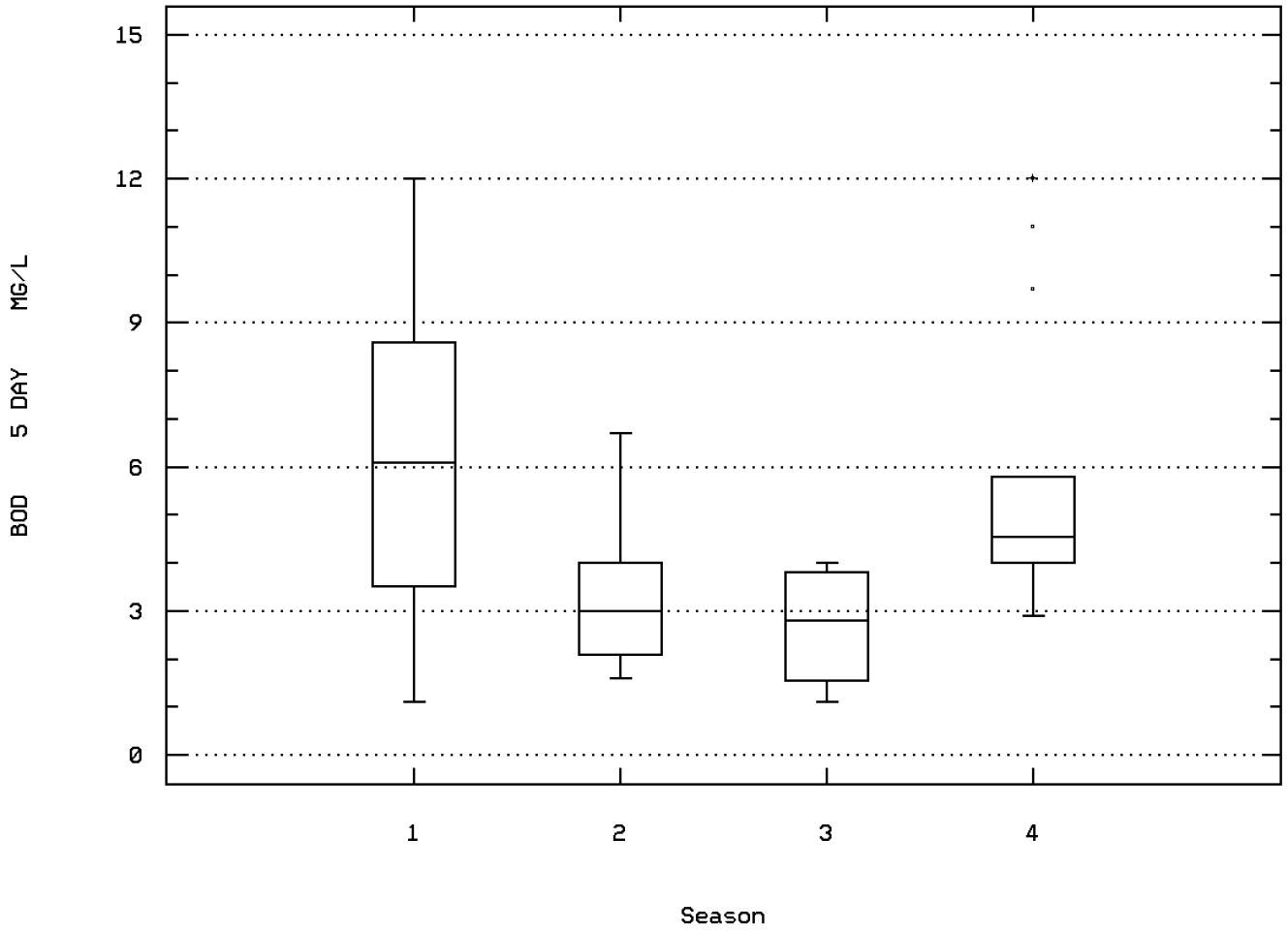
OXYGEN, DISSOLVED, PERCENT OF SATURATIO



MISSISSIPPI RIVER BELOW L&D #2 AT HASTI

Station: SACN0432 Parameter Code: 00310

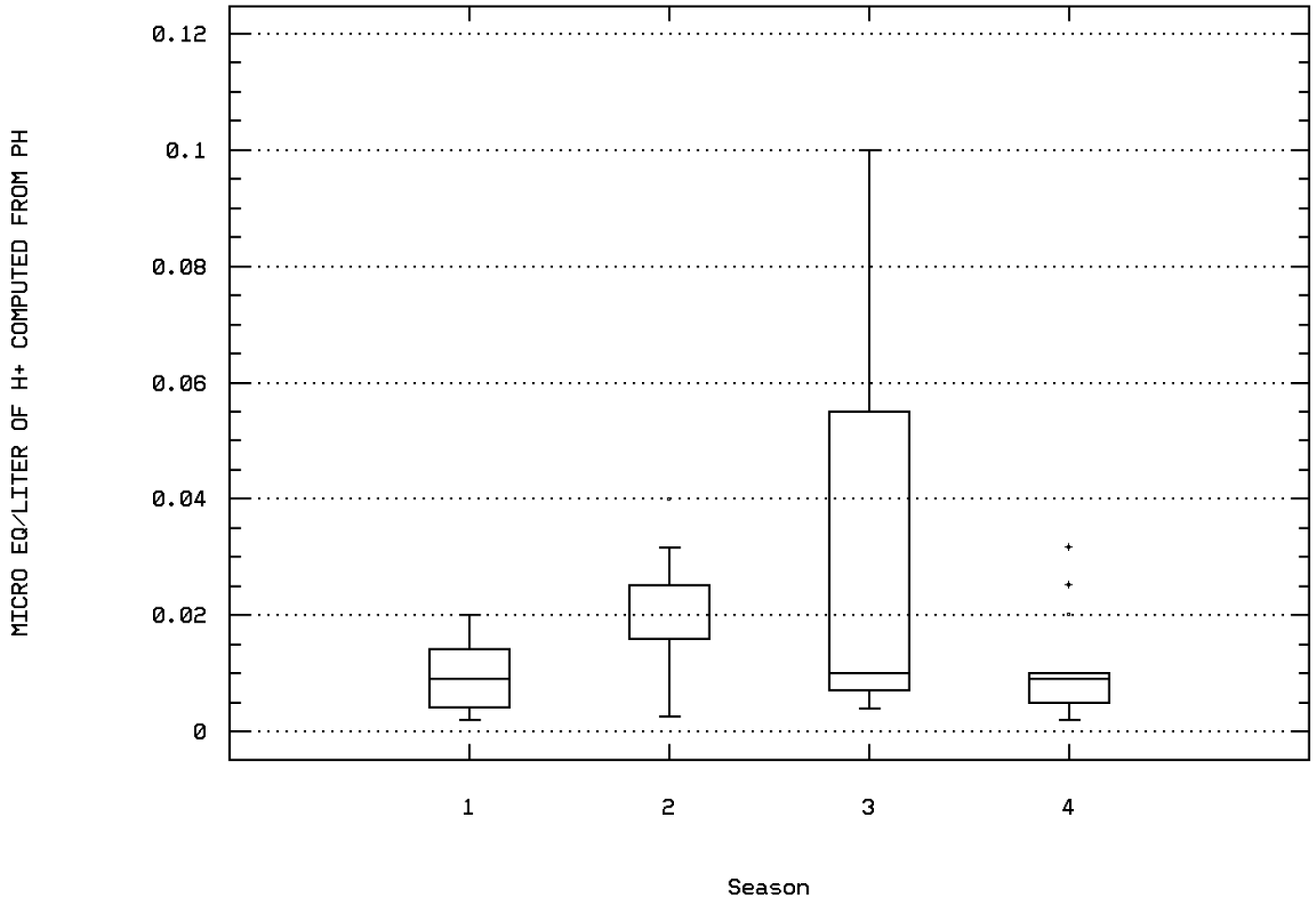
BOD, 5 DAY, 20 DEG C



MISSISSIPPI RIVER BELOW L&D #2 AT HASTI

Station: SACN0432 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



MISSISSIPPI RIVER BELOW L&D #2 AT HASTI

Station Inventory for Station: SACN0433

NPS Station ID: SACN0433
LAT/LON: 45.047505/ -92.853059
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: LONG AT STILLWATER
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0021
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 38.8 HECTARE B
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: - M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0433

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0434

NPS Station ID: SACN0434
LAT/LON: 45.047505/ -92.853059
Agency: 21MINNL
Date Created: 01/09/88
Location: LAKE: LONG AT STILLWATER
FIPS State/County: 27163 MINNESOTA/WASHINGTON
Station Type: /TYPA/AMBNT/LAKE/BIO
STORET Station ID(s): 82-0021
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: AREA: 38.8 HECTARE B
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: - M
ECO Region:
RF1 Index: 07030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07010206069500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.15
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0434

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078 TRANSPARENCY, SECCHI DISC (METERS)	08/23/87-08/21/94	31	0.61	0.606	1.52	0.15	0.101	0.318	0.176	0.46	0.76	1.038

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/23/87-08/21/94	12	0.46	0.398	0.61	0.15	0.034	0.184	0.15	0.183	0.59	0.61

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0434

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/23/87-08/21/94	19	0.61	0.737	1.52	0.3	0.101	0.317	0.46	0.46	0.91	1.37

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0435

NPS Station ID: SACN0435
LAT/LON: 44.745309/ -92.855309
Agency: 12MIWID
Date Created: 04/09/76
Location: H.D. HUDSON MFG. HASTINGS, MN
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/IND/TREATD/OUTFL/ESTURY
STORET Station ID(s): HUDSON /MN 0002577
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 3
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISS
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 2.690
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07040001046000.19
RF3 Mile Point: 3.65
Distance from RF3: 0.13
On/Off RF3:
Description:
SAMPLING POINT IS INSIDE WEST END OF PLANT AT FLOOR DRAIN NEAR CAN WELDING MACHINES

Parameter Inventory for Station: SACN0435

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0436

NPS Station ID: SACN0436 | LAT/LON: 45.546949/ -92.857226 | Agency: 21MINN | Date Created: / /
Location: SUNRISE R. CSAH-9 AT SUNRISE | FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/NET | STORET Station ID(s): SCSU--2-B-14A67/@SSGWJ-0132 /SU-2
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: MAJ BASIN: UPPER MISS | Elevation: 0 | Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX | ECO Region:
RF1 Index: 07030005033 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 07030005003000.00 | RF3 Mile Point: 1.07 | Distance from RF3: 0.03 | On/Off RF3:
Description:
SUNRISE RIVER, BRIDGE ON CSAH-9 AT SUNRISE, MINNESOTA; ST. CROIX RIVER BASIN CHISAGO COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1967-68

Parameter Inventory for Station: SACN0436

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-06/06/68	7	50.	52.571	74.	32.	309.619	17.596	**	**	**	**
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/13/67-06/06/68	7	14.	15.2	28.	2.4	68.413	8.271	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/13/67-06/06/68	7	25.	30.	70.	10.	508.333	22.546	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/06/68	7	280.	294.286	380.	250.	1761.905	41.975	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/06/68	7	9.7	9.757	13.2	6.5	6.32	2.514	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/06/68	7	3.5	3.514	7.	1.3	3.705	1.925	**	**	**	**
00400	PH (STANDARD UNITS)	06/13/67-06/06/68	7	7.7	7.8	8.8	7.3	0.32	0.566	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/06/68	7	7.7	7.584	8.8	7.3	0.374	0.612	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/06/68	7	0.02	0.026	0.05	0.002	0.	0.021	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/06/68	7	130.	141.429	190.	110.	647.619	25.448	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/06/68	7	230.	225.714	280.	170.	1095.238	33.094	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/13/67-06/06/68	7	78.	73.571	110.	35.	646.952	25.435	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/06/68	7	11.	20.714	49.	3.	324.238	18.007	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/13/67-06/06/68	7	4.	6.143	11.	2.	13.81	3.716	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/06/68	7	0.77	0.983	1.8	0.46	0.247	0.497	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/06/68	7 ##	0.1	0.119	0.23	0.1	0.002	0.049	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/06/68	7 ##	0.01	0.019	0.05	0.01	0.	0.015	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/06/68	7	0.88	0.889	1.4	0.15	0.183	0.428	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/06/68	7	0.08	0.101	0.15	0.07	0.001	0.034	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/06/68	7	150.	161.429	210.	140.	547.619	23.401	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/06/68	7	4.	3.857	6.	3.	1.143	1.069	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/06/68	7	1300.	3327.143	16000.	790.	31304157.143	5595.012	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/06/68	7	3.114	3.235	4.204	2.898	0.193	0.439	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1716.704								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/06/68	7	220.	441.429	1300.	80.	211380.952	459.762	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/06/68	7	2.342	2.423	3.114	1.903	0.236	0.486	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			265.139								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-06/06/68	7 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/11/67-12/11/67	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0436

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00400	PH	Other-Hi Lim.	9.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	250.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	7	6	0.86	2	1	0.50	2	2	1.00	1	1	1.00	2	2	1.00
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	7	4	0.57	2	1	0.50	2	2	1.00	1	0	0.00	2	1	0.50
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0437

NPS Station ID: SACN0437
LAT/LON: 45.546949/ -92.857226
Agency: 21MINNQ
Date Created: 09/17/94
Location: SUNRISE R. CSAH-9 AT SUNRISE
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): SCSU--2-B-14A67/@SSGWJ-0132 /SU-2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX
ECO Region:
RF1 Index: 07030005033
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
SUNRISE RIVER, BRIDGE ON CSAH-9 AT SUNRISE, MINNESOTA; ST. CROIX RIVER BASIN CHISAGO COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1967-68

Parameter Inventory for Station: SACN0437

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0438

NPS Station ID: SACN0438
LAT/LON: 44.722226/ -92.858337
Agency: 31M&WPCB
Date Created: 05/26/78
Location: HASTINGS
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): VR-1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: LOWER PORTION UPPER MISSISSIPPI RIVER
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 2.420
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07040001001002.48
RF3 Mile Point: 2.58
Distance from RF3: 0.24
On/Off RF3:
Description:
DATA FROM MINN-WISC PCB INTERAGENLY TASK FORCE REPORT "PCBS IN THE UPPER MISSISSIPPI RIVER BASIN"
SEDIMENT AND WATER SAMPLE SAMPLE FROM VERMILLION RIVER AT HIGHWAY 61 BRIDGE

Parameter Inventory for Station: SACN0438

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0439

NPS Station ID: SACN0439
LAT/LON: 44.766670/ -92.866670
Agency: 31M&WPCB
Date Created: 05/26/78
Location: LOWER SPRING LAKE
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UMS-23
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER PORTION UPPER MISSISSIPPI RIVER
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 4.080
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206000101.12
RF3 Mile Point: 2.19
Distance from RF3: 0.10
On/Off RF3:
Description:
DATA FROM MINN-WISC PCB INTERAGENLY TASK FORCE REPORT "PCBS IN THE UPPER MISSISSIPPI RIVER BASIN"
SEDIMENT AND WATER SAMPLE
SAMPLE FROM MISSISSIPPI RIVER AT RIVER MILE 817 BELOW 3M CHEMOLITE

Parameter Inventory for Station: SACN0439

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/15/75-06/15/75	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/15/75-06/15/75	1	380.	380.	380.	380.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0440

NPS Station ID: SACN0440 LAT/LON: 44.760281/ -92.866948 Agency: 21MINNQ Date Created: 09/17/94
Location: MISSISSIPPI RIVER AT LOCK AND DAM #2 AT HASTINGS
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM/TISSUE/NET/DOWN
STORET Station ID(s): MSU-815-BB15E58/@SSGWJ-0068 /UM-815
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: LOWER PORTION UPPER MISS
ECO Region:
RF1 Index: 07010206001 RF1 Mile Point: 3.660 Distance from RF1: 20.50 On/Off RF1: ON
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
MISSISSIPPI RIVER AT LOCK AND DAM NUMBER 2 AT HASTINGS, MINNESOTA; LOWER PORTION UPPER MISS BASIN T26N/R21W/S16 DAKOTA COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING. PERIOD SAMPLED: 1958-65, 1967-68, 1971-72, 1975-77, 100183-PRESENT.

Parameter Inventory for Station: SACN0440

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0441

NPS Station ID: SACN0441 LAT/LON: 44.760281/ -92.866948 Agency: 21MINN Date Created: / /
Location: MISSISSIPPI RIVER AT LOCK AND DAM #2 AT HASTINGS
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM/TISSUE/NET/DOWN
STORET Station ID(s): MSU-815-BB15E58/@SSGWJ-0068 /UM-815
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: LOWER PORTION UPPER MISS
ECO Region:
RF1 Index: 07010206001 RF1 Mile Point: 3.660 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 07040001001001.69 RF3 Mile Point: 1.69 Distance from RF3: 0.03 On/Off RF3:
Description:
MISSISSIPPI RIVER AT LOCK AND DAM NUMBER 2 AT HASTINGS, MINNESOTA; LOWER PORTION UPPER MISS BASIN T26N/R21W/S16 DAKOTA COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING. PERIOD SAMPLED: 1958-65, 1967-68, 1971-72, 1975-77, 100183-PRESENT.

Parameter Inventory for Station: SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	117	15.	14.115	28.	0.	84.661	9.201	0.	5.	23.	25.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/15/58-12/09/75	92	59.	56.696	90.	32.	258.544	16.079	33.	43.	71.	76.
00023	SAMPLE WEIGHT IN POUNDS	09/22/81-10/06/83	4	1.95	2.1	3.2	1.3	0.673	0.821	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	09/22/81-10/06/83	4	18.	17.725	19.1	15.8	2.583	1.607	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/15/58-08/30/61	19	5140.	6644.211	32600.	1770.	48768103.509	6983.416	1920.	3030.	7300.	14900.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	05/15/58-06/04/68	47	25.	32.681	200.	10.	970.961	31.16	10.	16.	37.	60.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-03/16/77	67	14.	15.206	48.	2.2	102.813	10.14	3.38	6.3	20.	28.8
00080	COLOR (PLATINUM-COBALT UNITS)	06/28/67-10/05/72	10	25.	32.5	100.	10.	723.611	26.9	10.	13.75	42.5	95.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	171	520.	514.211	790.	270.	11538.638	107.418	360.	430.	600.	648.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	97	4.	3.943	12.	0.	5.697	2.387	1.	2.	5.	7.1
00300p	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	212	8.1	8.467	15.6	0.2	8.447	2.906	5.23	6.425	10.8	12.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	199	4.5	5.229	41.	0.7	15.242	3.904	1.9	2.9	6.3	9.2
00335	COD, .025N K2CR2O7 MG/L	07/15/74-12/09/75	15	35.	34.58	54.	17.	112.289	10.597	21.02	25.	40.	52.8
00400p	PH (STANDARD UNITS)	05/15/58-03/16/77	115	7.8	7.84	9.	7.	0.116	0.341	7.4	7.6	8.	8.24
00400p	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	115	7.8	7.709	9.	7.	0.134	0.366	7.4	7.6	8.	8.24
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	115	0.016	0.02	0.1	0.001	0.	0.018	0.006	0.01	0.025	0.04
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	98	8.2	8.207	8.9	7.5	0.061	0.248	7.9	8.	8.4	8.51
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	98	8.2	8.135	8.9	7.5	0.066	0.258	7.9	8.	8.4	8.51
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	98	0.006	0.007	0.032	0.001	0.	0.005	0.003	0.004	0.01	0.013
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	66	180.	177.727	260.	100.	722.448	26.878	140.	160.	200.	210.
00500	RESIDUE, TOTAL (MG/L)	05/15/58-03/16/77	68	340.	345.809	745.	250.	4866.127	69.758	280.	310.	367.5	430.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/28/67-09/05/72	9	92.	93.778	130.	57.	675.194	25.985	57.	72.5	120.	130.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/15/74-07/15/74	1	278.	278.	278.	278.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	202	35.5	44.495	690.	0.25	3203.491	56.599	4.3	20.	55.5	81.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/25/60-09/05/72	39	11.	13.103	52.	5.	66.884	8.178	5.	9.	16.	20.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/16/71-07/15/74	3	1.2	0.99	1.2	0.57	0.132	0.364	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	155	1.33	1.44	8.79	0.15	0.606	0.778	0.836	1.16	1.65	2.032
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	202	0.325	0.523	3.6	0.01	0.326	0.571	0.073	0.14	0.72	1.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/23/76	47	0.05	0.076	0.7	0.005	0.015	0.122	0.01	0.02	0.07	0.162
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	73	0.8	1.189	6.1	0.01	1.165	1.079	0.22	0.495	1.65	2.76
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	107	1.64	1.744	9.21	0.75	0.723	0.85	1.188	1.34	1.98	2.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	108	1.75	2.36	8.1	0.22	3.477	1.865	0.548	0.992	3.45	4.92
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	200	0.308	0.345	2.52	0.005	0.051	0.225	0.18	0.239	0.398	0.508
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/16/74-01/05/77	22	11.	12.805	29.	6.5	34.108	5.84	7.92	8.7	13.75	23.5
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/16/71-07/09/91	5	0.005	0.005	0.008	0.002	0.	0.003	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	09/16/71-07/15/74	3 ##	0.01	0.013	0.025	0.005	0.	0.01	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	69	230.	227.681	350.	150.	2026.897	45.021	180.	200.	250.	290.
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	62	140.	140.919	200.	92.	756.797	27.51	110.	120.	150.	190.
00920	MAGNESIUM (MG/L AS CACO3)	09/16/71-10/31/91	19	89.	94.	140.	69.	373.889	19.336	70.	81.	100.	130.
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/71-01/05/77	56	16.5	18.427	52.	6.2	98.403	9.92	8.82	12.25	21.	28.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/71-01/05/77	55	4.	4.647	22.	1.2	9.039	3.007	2.84	3.2	5.	6.52
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	104	18.	20.673	67.	3.	174.513	13.21	7.	13.	24.	39.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/16/71-01/05/77	42	40.5	41.071	65.	24.	136.946	11.702	26.	30.	51.	57.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/71-01/05/77	57	0.2	0.209	0.54	0.05	0.007	0.083	0.1	0.17	0.235	0.332
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/16/71-07/15/74	3	12.	13.	17.	10.	13.	3.606	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-05/29/90	47 ##	5.	4.5	7.	0.5	1.424	1.193	2.	5.	5.	5.
01007	BARIUM, TOTAL (UG/L AS BA)	09/16/71-07/15/74	3 ##	10.	21.333	44.	10.	385.333	19.63	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/16/71-09/05/72	2 ##	47.5	47.5	70.	25.	1012.5	31.82	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	64 ##	5.	5.266	38.	0.05	22.116	4.703	2.75	5.	5.	5.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/16/71-09/16/71	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/71-10/31/91	21	5.	6.024	20.	0.25	29.506	5.432	0.4	2.	7.5	15.8
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	66 ##	5.	9.	110.	1.	206.054	14.355	3.	5.	5.	15.6
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	57	1100.	1355.088	6000.	140.	1569611.153	1252.841	242.	410.	1800.	2440.
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	58 ##	5.	6.879	32.	1.	36.073	6.006	2.	5.	5.	13.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	57	130.	161.404	590.	14.	9868.959	99.343	71.	110.	180.	322.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	61 ##	5.	7.098	24.	2.	15.223	3.902	5.	5.	11.	12.
01077	SILVER, TOTAL (UG/L AS AG)	09/16/71-09/05/72	2 ##	3.	3.	5.	1.	8.	2.828	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	64	25.	28.688	130.	5.	407.012	20.175	10.5	16.5	33.5	51.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/88-10/31/91	4	820.	765.	920.	500.	37700.	194.165	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/19/71-05/29/90	39 ##	1.5	2.397	5.	0.5	3.292	1.814	1.	1.	5.	5.
01501	ALPHA, TOTAL	09/16/71-07/15/74	3	3.	3.5	6.	1.5	5.25	2.291	**	**	**	**
01502	ALPHA, TOTAL, COUNTING ERROR	09/05/72-07/15/74	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
01503	ALPHA, DISSOLVED	05/15/58-02/26/59	6	3.5	3.8	9.	0.8	8.	2.828	**	**	**	**
01505	ALPHA, SUSPENDED	05/15/58-03/17/59	6	1.5	1.383	2.	0.3	0.522	0.722	**	**	**	**
03501	BETA, TOTAL	09/16/71-07/15/74	3	12.	12.333	13.	12.	0.333	0.577	**	**	**	**
03502	BETA, TOTAL, COUNTING ERROR	09/16/71-07/15/74	3	3.	3.	3.	3.	0.	0.	**	**	**	**
03503	BETA, DISSOLVED	05/15/58-07/21/59	10	34.5	36.3	64.	6.	534.011	23.109	6.2	15.5	62.25	63.9
03505	BETA, SUSPENDED	05/15/58-07/21/59	7	13.	16.286	31.	9.	67.905	8.24	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	102	7400.	131163.333	9200000.	40.830231592087.789		911170.452	358.	1300.	24000.	160000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	102	3.869	3.81	6.964	1.602	0.96	0.98	2.553	3.114	4.38	5.204
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6461.022								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	82	46.	153.732	1600.	2.	87786.884	296.289	4.	16.	140.25	367.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	82	1.662	1.669	3.204	0.301	0.497	0.705	0.602	1.204	2.147	2.565
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			46.686								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	94	195.	1892.128	33000.	10.	24857702.951	4985.75	10.	20.	1150.	4750.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	94	2.286	2.313	4.519	1.	0.974	0.987	1.	1.301	3.06	3.676
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			205.631								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	04/30/85-03/26/86	9	85.	256.778	840.	18.	111855.944	334.449	18.	47.	555.	840.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	04/30/85-03/26/86	9	1.929	2.07	2.924	1.255	0.336	0.58	1.255	1.667	2.688	2.924
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			117.364								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	04/30/85-03/26/86	9	25.	55.111	140.	4.	3840.799	61.974	4.	4.5	135.	140.
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	04/30/85-03/26/86	9	1.398	1.38	2.146	0.602	0.428	0.654	0.602	0.653	2.13	2.146
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			24.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/05/72-07/23/76	9	18.	286.111	1200.	4.5	194336.299	440.836	4.5	6.75	650.	1200.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/05/72-07/23/76	9	1.255	1.628	3.079	0.653	0.985	0.992	0.653	0.804	2.812	3.079
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			42.437								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/10/76-09/16/76	7	259.5	220.5	367.7	70.4	12070.707	109.867	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/16/71-06/23/88	29	5.	5.672	29.	1.	29.041	5.389	1.	3.	6.5	10.
34670	PCB - 1260 WET WGTTISMG/KG	09/22/81-10/06/83	4 ##	0.048	0.191	0.644	0.025	0.092	0.303	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/26/62-11/25/74	61	0.13	0.171	0.52	0.05	0.02	0.143	0.05	0.05	0.26	0.418
39105	PERCENT FAT HEXANE EXTRACTION	09/22/81-10/06/83	4	0.9	3.763	13.	0.25	38.046	6.168	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/16/71-08/02/73	6 ##	0.005	0.01	0.02	0.005	0.	0.008	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/03/73-07/03/73	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/14/67-12/14/67	1	0.88	0.88	0.88	0.88	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	09/22/81-10/06/83	4 ##	25.	66.015	214.	0.06	9871.361	99.355	**	**	**	**
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	09/22/81-10/06/83	4	527.5	1533.75	4890.	190.	5039566.917	2244.898	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	09/22/81-10/06/83	4	0.592	1.781	5.75	0.19	7.057	2.657	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-10/28/86	43	0.2	0.288	2.	0.05	0.122	0.35	0.05	0.05	0.4	0.56
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/06/83-10/06/83	3	0.18	0.177	0.23	0.12	0.003	0.055	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/29/87-08/30/94	25	2.	2.132	4.5	0.6	1.302	1.141	0.6	1.3	2.6	4.08
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/22/81-10/06/83	4	2.5	3.	5.	2.	2.	1.414	**	**	**	**
81906	DESCRIPTION OF SAMPLE	04/24/91-09/15/94	33	270838.	263990.667	272593.	210470.	311402905.979	17646.612	233288.6	270275.	271546.	271954.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

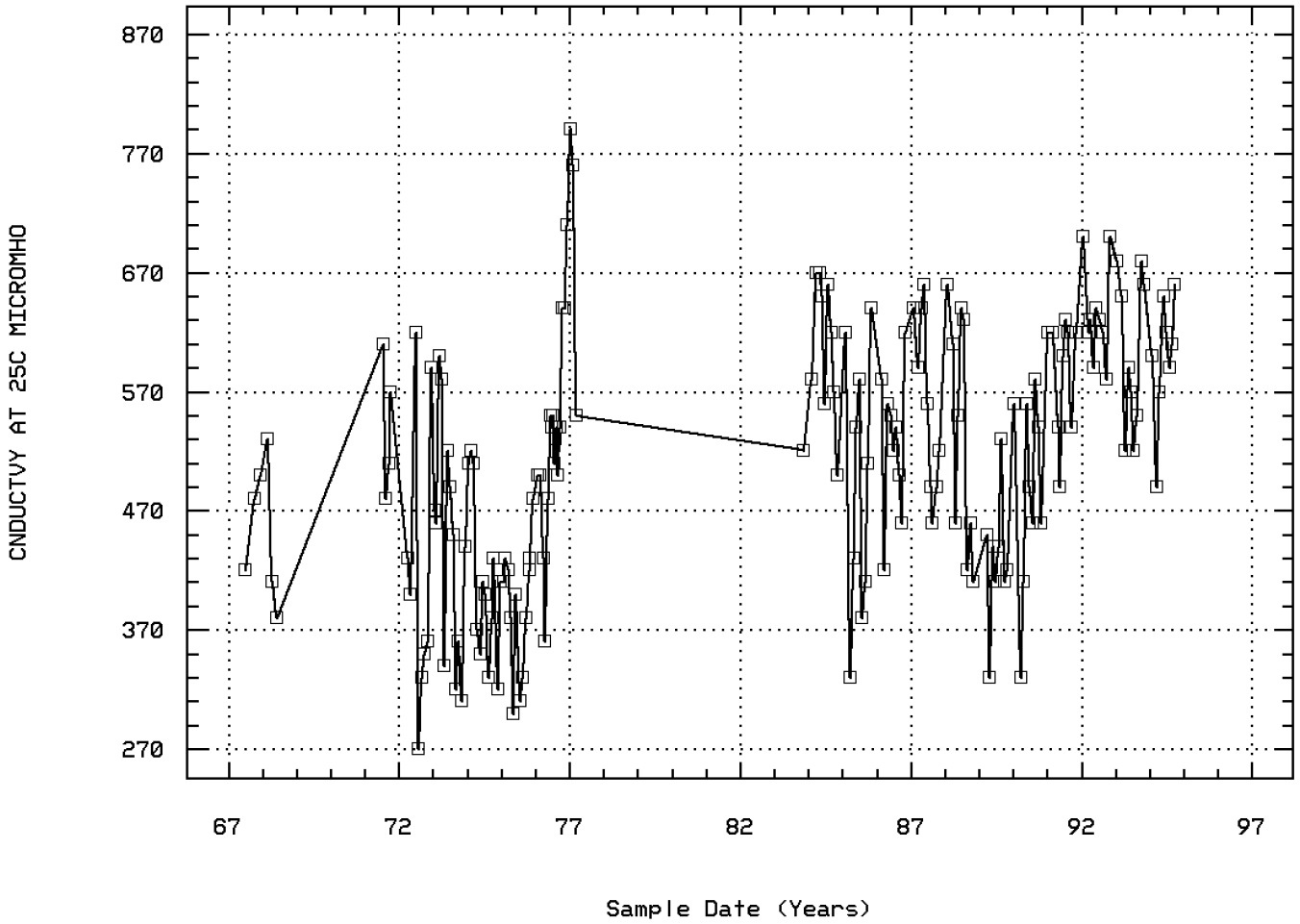
EPA Water Quality Criteria Analysis for Station: SACN0441

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	67	0	0.00	22	0	0.00	15	0	0.00	7	0	0.00	23	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	212	8	0.04	69	0	0.00	30	6	0.20	25	1	0.04	88	1	0.01
00400	PH	Other-Hi Lim.	9.	115	1	0.01	38	0	0.00	21	1	0.05	11	0	0.00	45	0	0.00
		Other-Lo Lim.	6.5	115	0	0.00	38	0	0.00	21	0	0.00	11	0	0.00	45	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	98	0	0.00	31	0	0.00	10	0	0.00	14	0	0.00	43	0	0.00
		Other-Lo Lim.	6.5	98	0	0.00	31	0	0.00	10	0	0.00	14	0	0.00	43	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	47	0	0.00	14	0	0.00	11	0	0.00	4	0	0.00	18	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	73	0	0.00	21	0	0.00	15	0	0.00	7	0	0.00	30	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	108	0	0.00	36	0	0.00	13	0	0.00	15	0	0.00	44	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	5	0	0.00	1	0	0.00							4	0	0.00
		Drinking Water	0.2	5	0	0.00	1	0	0.00							4	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	104	0	0.00	34	0	0.00	20	0	0.00	11	0	0.00	39	0	0.00
		Drinking Water	250.	104	0	0.00	34	0	0.00	20	0	0.00	11	0	0.00	39	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	42	0	0.00	15	0	0.00	10	0	0.00	3	0	0.00	14	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	57	0	0.00	18	0	0.00	13	0	0.00	6	0	0.00	20	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	47	0	0.00	14	0	0.00	9	0	0.00	4	0	0.00	20	0	0.00
		Drinking Water	50.	47	0	0.00	14	0	0.00	9	0	0.00	4	0	0.00	20	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	2	0	0.00							1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8 &	2	0.25	3	0	0.00				1	1	1.00	4	1	0.25
		Drinking Water	5.	8 &	2	0.25	3	0	0.00				1	1	1.00	4	1	0.25
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	21	0	0.00	8	0	0.00	5	0	0.00	1	0	0.00	7	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	66	5	0.08	21	1	0.05	13	1	0.08	6	0	0.00	26	3	0.12
		Drinking Water	1300.	66	0	0.00	21	0	0.00	13	0	0.00	6	0	0.00	26	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	58	0	0.00	17	0	0.00	13	0	0.00	5	0	0.00	23	0	0.00
		Drinking Water	15.	58	4	0.07	17	1	0.06	13	0	0.00	5	0	0.00	23	3	0.13
01067	NICKEL, TOTAL	Fresh Acute	1400.	61	0	0.00	20	0	0.00	13	0	0.00	6	0	0.00	22	0	0.00
		Drinking Water	100.	61	0	0.00	20	0	0.00	13	0	0.00	6	0	0.00	22	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	1 &	0	0.00	1	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	64	1	0.02	21	1	0.05	13	0	0.00	6	0	0.00	24	0	0.00
		Drinking Water	5000.	64	0	0.00	21	0	0.00	13	0	0.00	6	0	0.00	24	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	39	0	0.00	11	0	0.00	8	0	0.00	4	0	0.00	16	0	0.00
		Drinking Water	50.	39	0	0.00	11	0	0.00	8	0	0.00	4	0	0.00	16	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	101 &	80	0.79	31	24	0.77	17	12	0.71	10	9	0.90	43	35	0.81
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	82	12	0.15	26	4	0.15	8	6	0.75	12	0	0.00	36	2	0.06
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	94	47	0.50	29	11	0.38	18	9	0.50	10	6	0.60	37	21	0.57
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	6	0	0.00	2	0	0.00				1	0	0.00	3	0	0.00
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00										1	0	0.00
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	43	0	0.00	14	0	0.00	9	0	0.00	3	0	0.00	17	0	0.00
		Drinking Water	2.	43	1	0.02	14	0	0.00	9	1	0.11	3	0	0.00	17	0	0.00

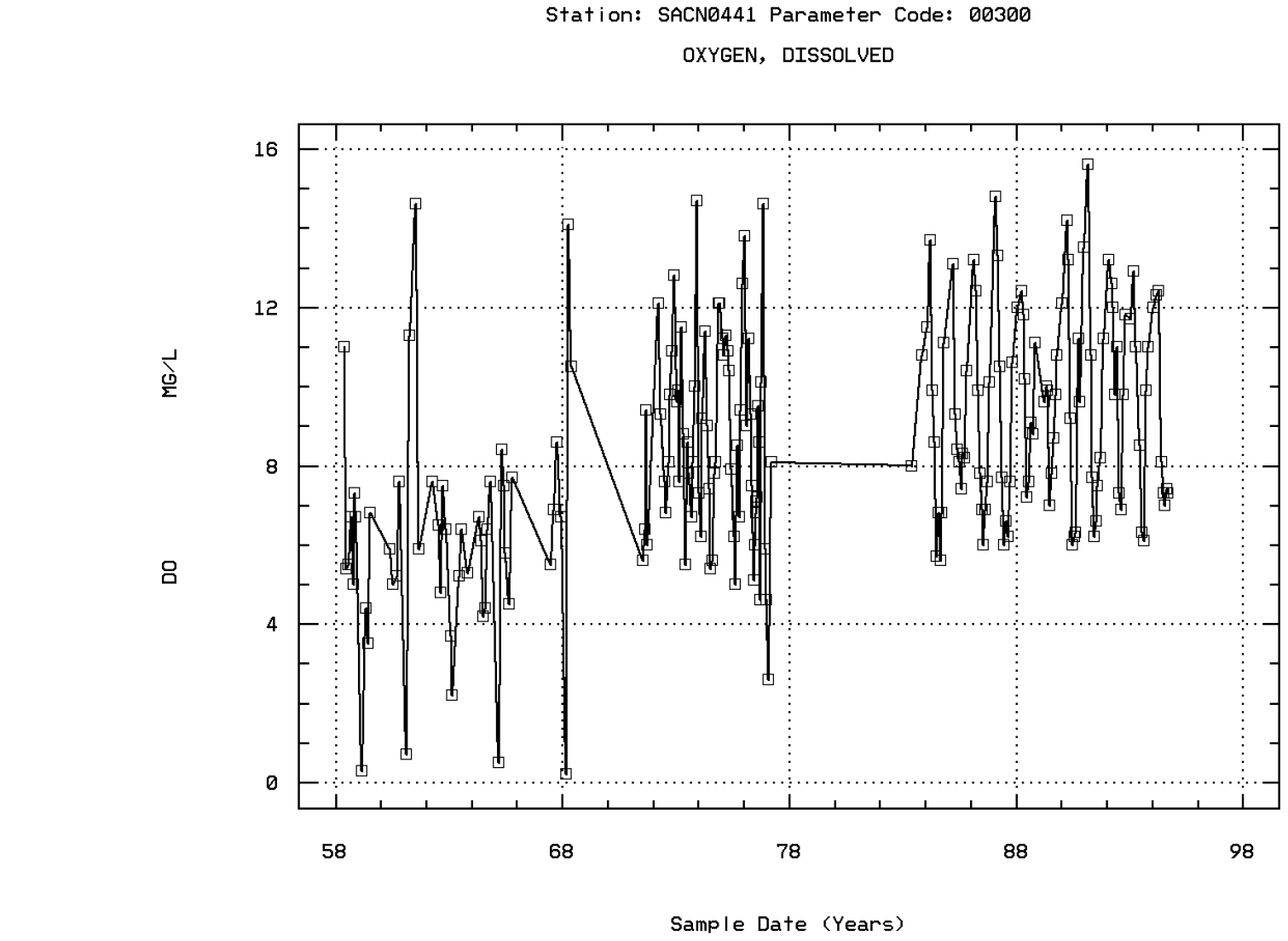
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: SACN0441 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



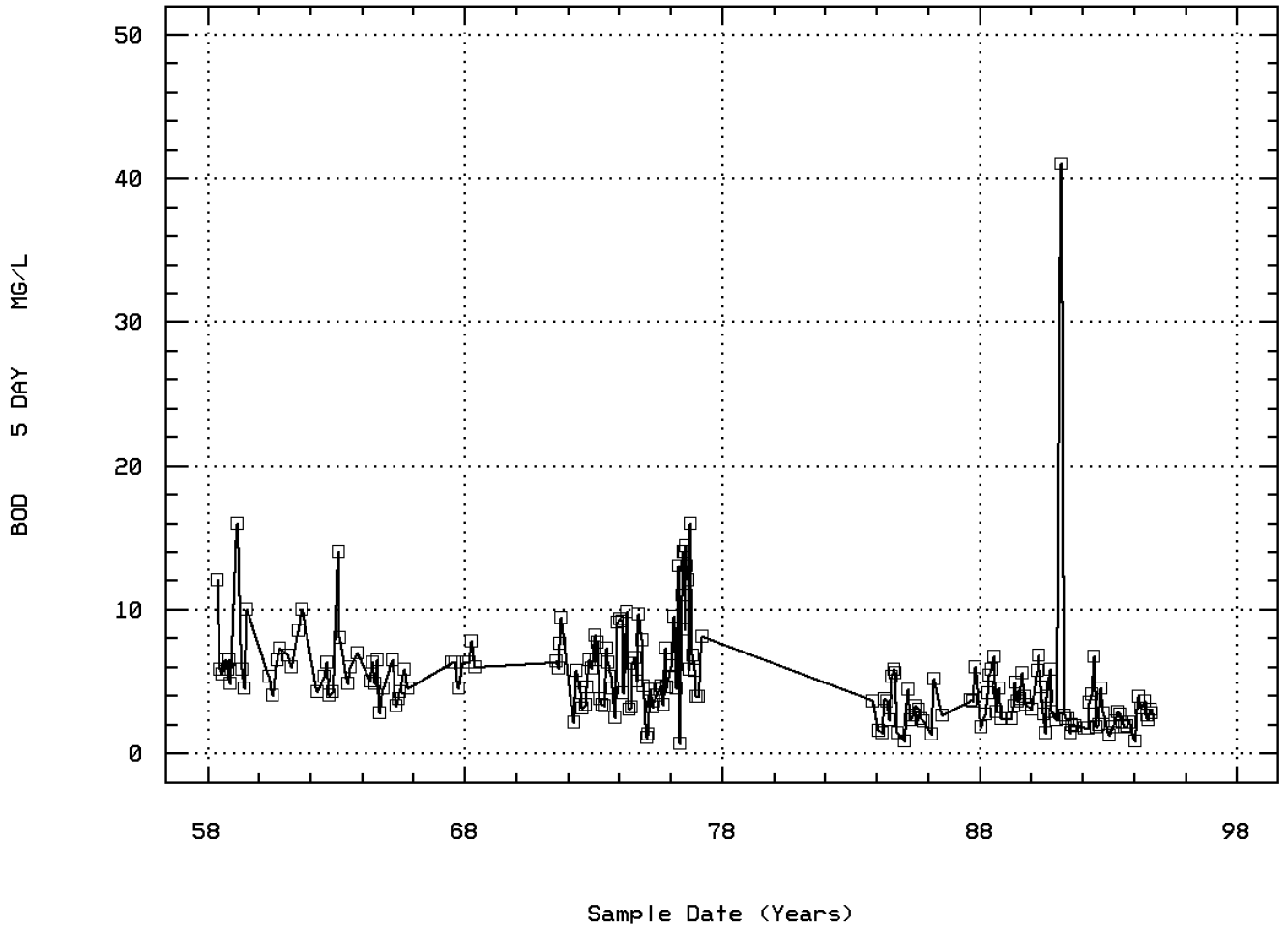
MISSISSIPPI RIVER AT LOCK AND DAM #2 AT



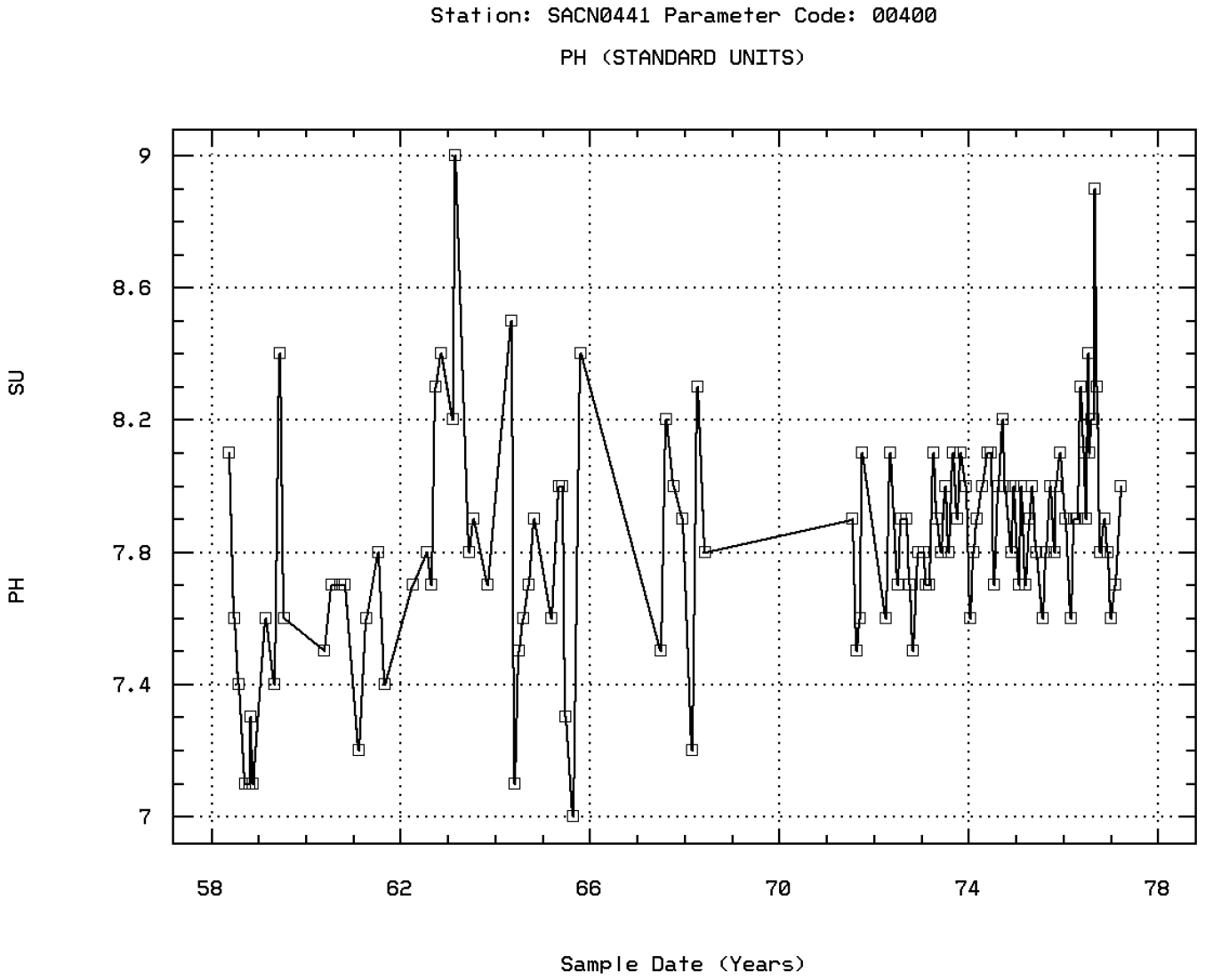
MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00310

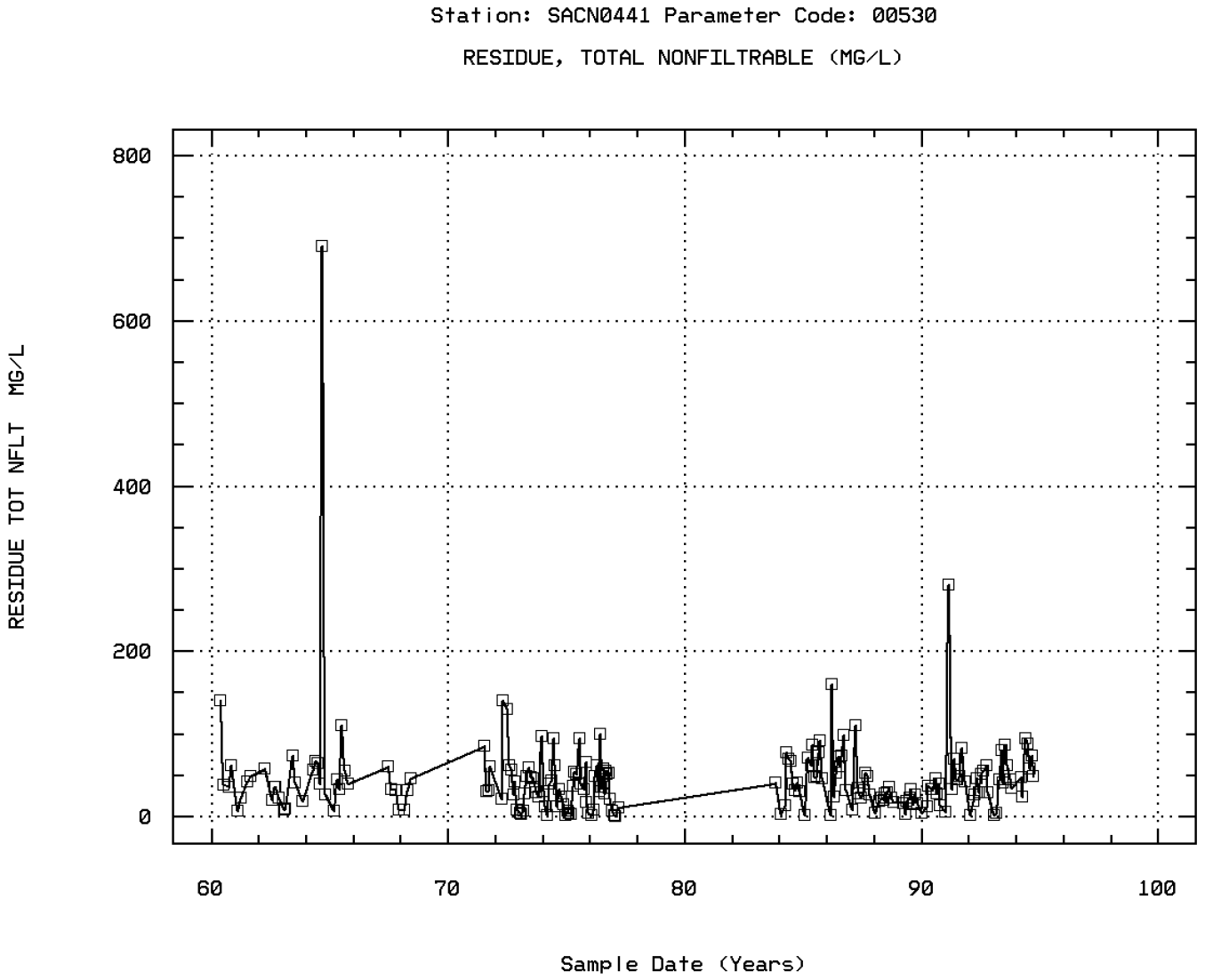
BOD, 5 DAY, 20 DEG C



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT



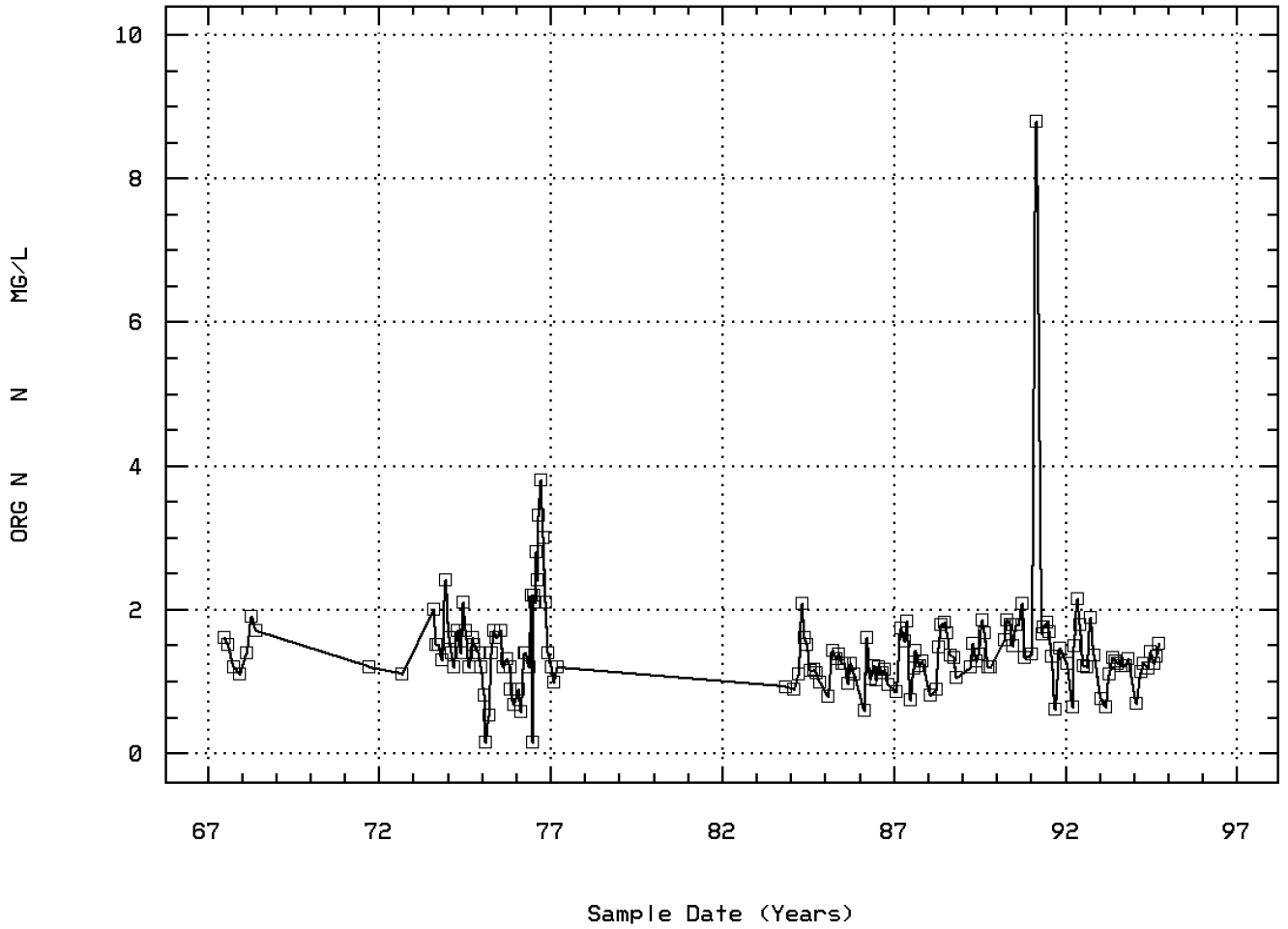
MISSISSIPPI RIVER AT LOCK AND DAM #2 AT



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00605

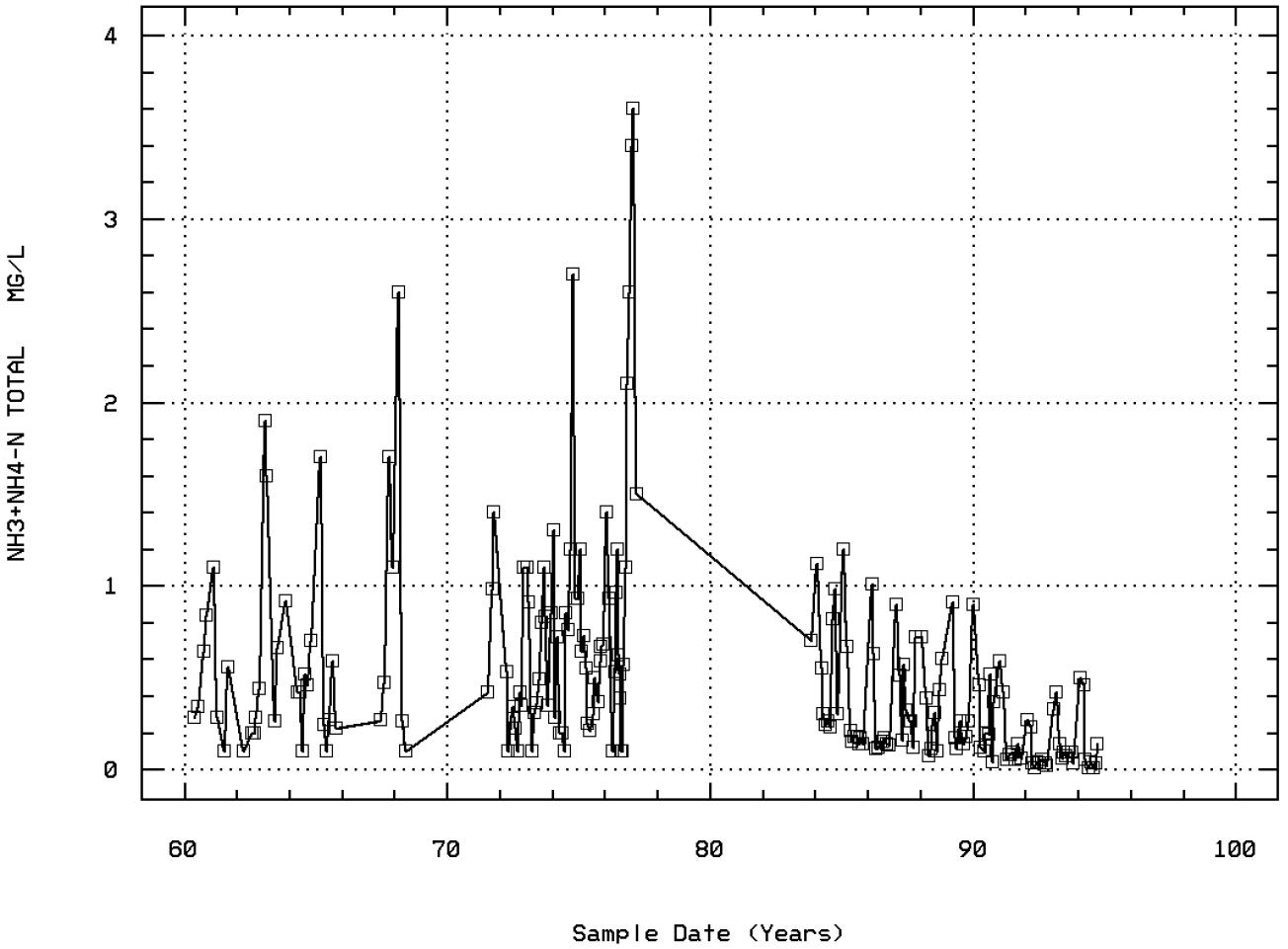
NITROGEN, ORGANIC, TOTAL (MG/L AS N)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00610

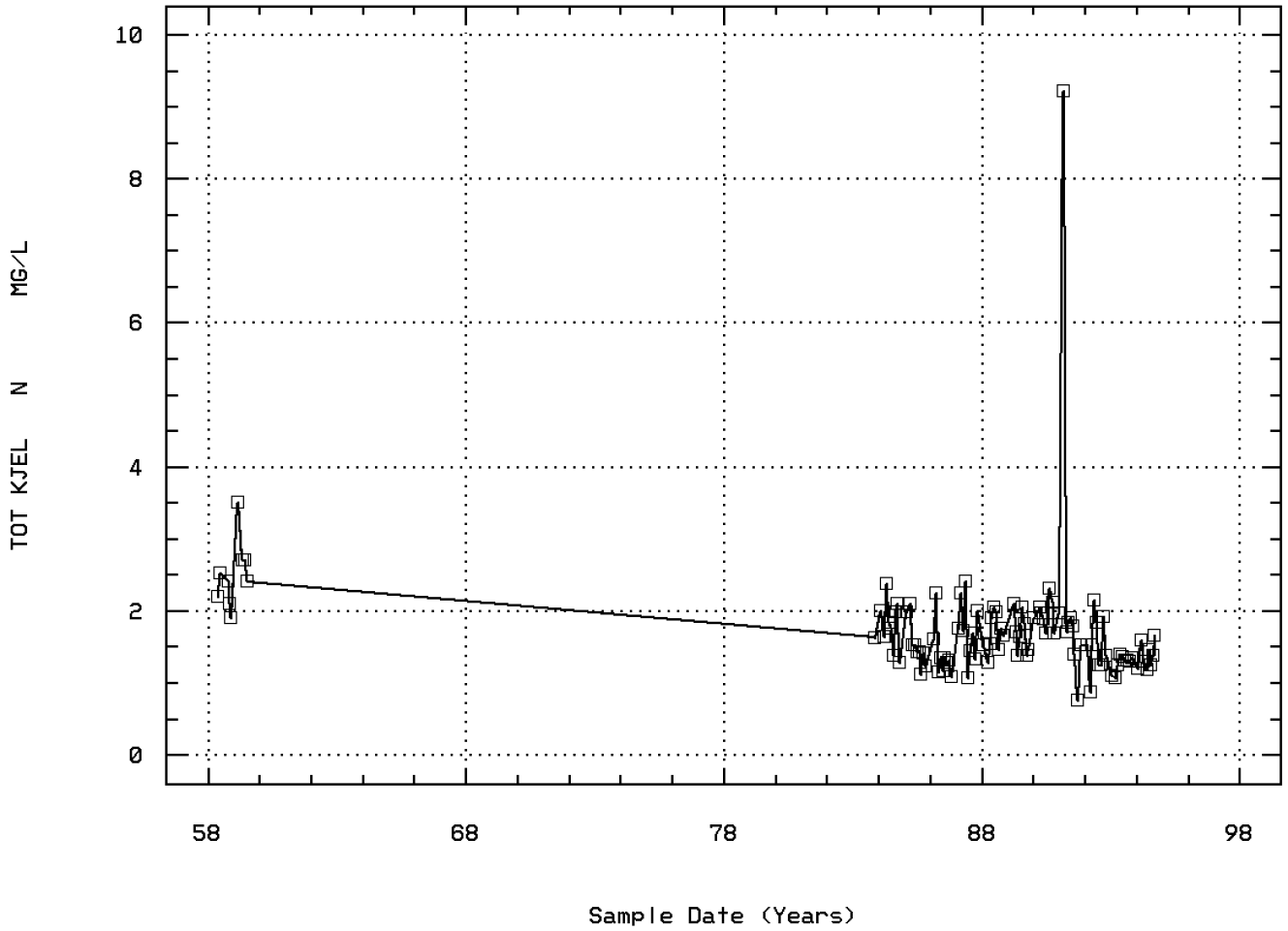
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00625

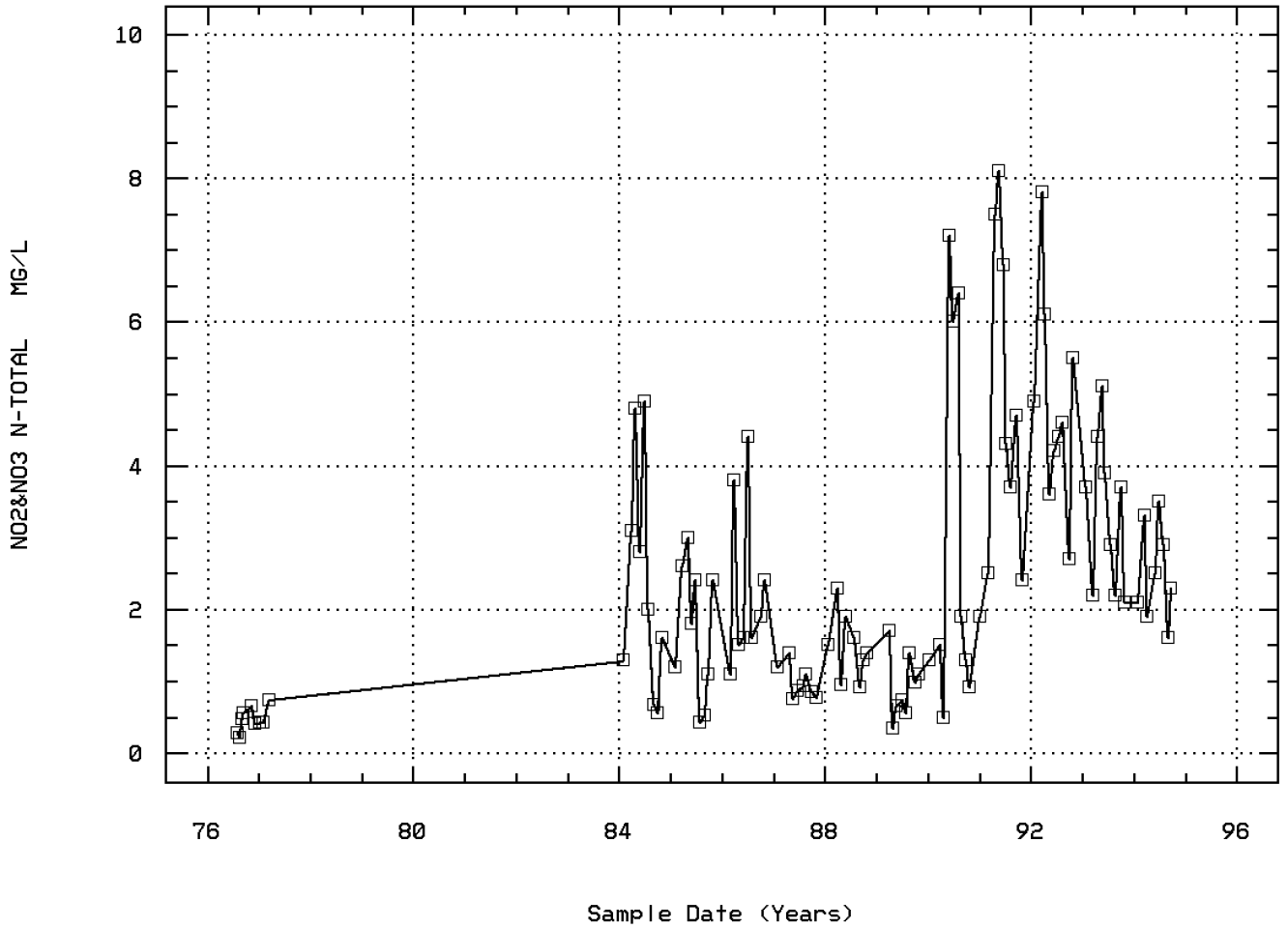
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



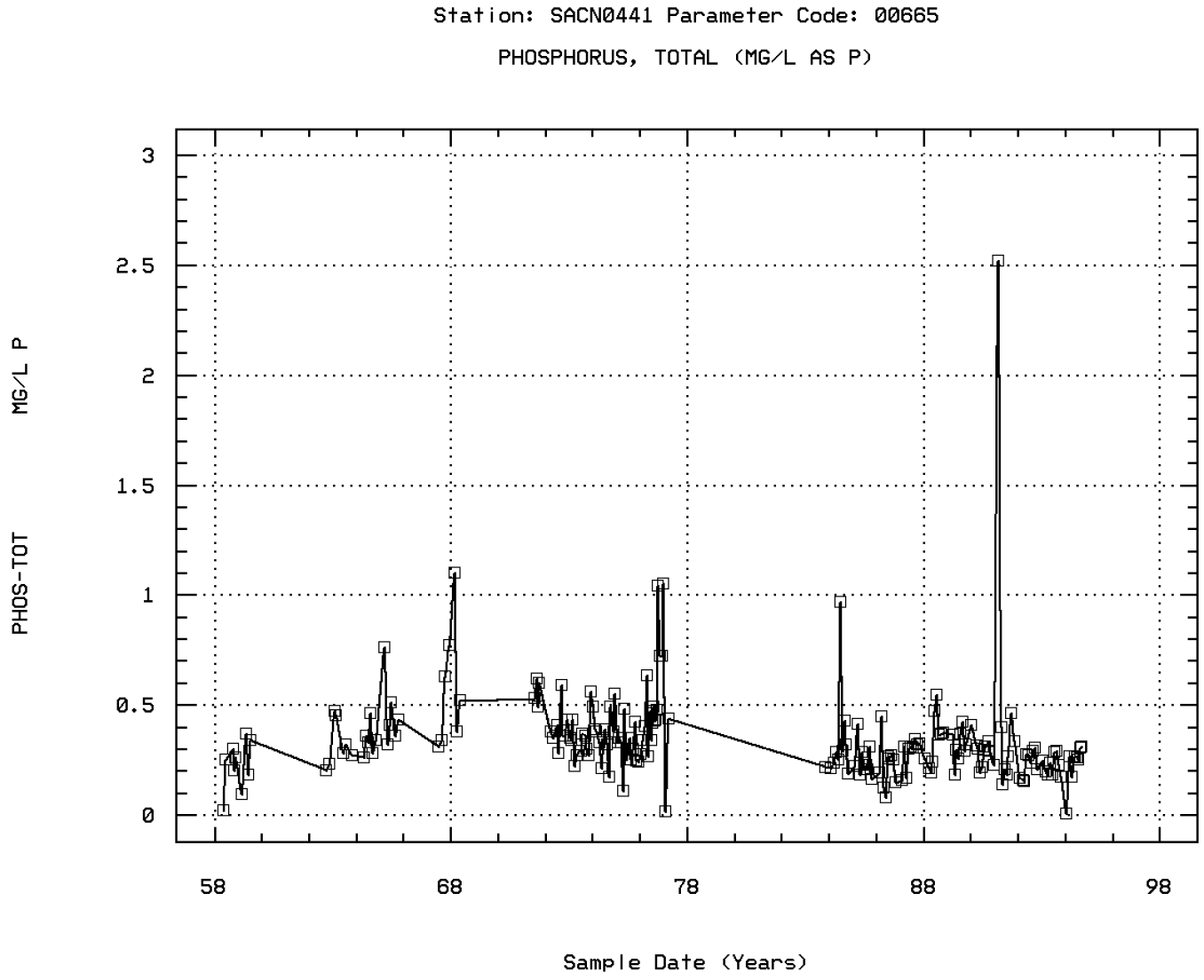
MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00630

NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Annual Analysis for 1958 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	7	6.7	6.8	11.	5.	4.133	2.033	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	7	5.8	6.7	12.	4.8	5.807	2.41	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	7	7.3	7.386	8.1	7.1	0.135	0.367	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	7	7.3	7.287	8.1	7.1	0.146	0.382	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	7	0.05	0.052	0.079	0.008	0.001	0.029	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	5	0.4	0.466	0.84	0.05	0.11	0.331	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	5	2.2	2.224	2.52	1.9	0.06	0.245	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	5	0.25	0.206	0.3	0.018	0.012	0.111	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	7	33000.	102457.143	540000.	2300.38162839523.81		195353.115	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	7	4.519	4.406	5.732	3.362	0.639	0.799	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			25447.292								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1959 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	4	3.95	3.75	6.8	0.3	7.23	2.689	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	4	7.9	9.075	16.	4.5	26.823	5.179	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	4	7.6	7.75	8.4	7.4	0.197	0.443	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	4	7.6	7.629	8.4	7.4	0.216	0.465	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	4	0.025	0.024	0.04	0.004	0.	0.015	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	4	0.84	0.905	1.3	0.64	0.079	0.282	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	4	2.7	2.825	3.5	2.4	0.223	0.472	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	4	0.26	0.246	0.37	0.094	0.017	0.131	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	4	30000.	103625.	350000.	4500.27363229	166.667	165418.346	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	4	4.366	4.482	5.544	3.653	0.684	0.827	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			30354.098								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1960 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	4	5.55	5.925	7.6	5.	1.396	1.181	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	4	5.9	5.775	7.3	4.	2.076	1.441	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	4	7.7	7.65	7.7	7.5	0.01	0.1	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	4	7.7	7.641	7.7	7.5	0.01	0.101	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	4	0.02	0.023	0.032	0.02	0.	0.006	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	4	49.5	68.5	140.	35.	2407.	49.061	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	4	0.49	0.525	0.84	0.28	0.069	0.262	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	4	14.5	13.5	18.	7.	23.	4.796	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	3	160000.	139000.	240000.	17000.12763000000.		112973.448	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	3	5.204	4.938	5.38	4.23	0.383	0.619	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			86748.115								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1961 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	4	8.6	8.125	14.6	0.7	37.363	6.112	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	4	7.65	7.825	10.	6.	3.189	1.786	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1961 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	4	7.5	7.5	7.8	7.2	0.067	0.258	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	4	7.489	7.444	7.8	7.2	0.071	0.266	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	4	0.032	0.036	0.063	0.016	0.	0.021	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	4	32.5	30.	49.	6.	376.667	19.408	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	4	0.42	0.51	1.1	0.1	0.191	0.437	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	4	19.	18.	20.	14.	8.	2.828	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	4	6350.	24050.	79000.	4500.	1344163333.333	36662.833	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	4	3.791	4.033	4.898	3.653	0.343	0.586	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			10796.49								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1962 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	5	6.5	6.56	7.6	4.8	1.273	1.128	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	5	4.3	4.84	6.3	4.	0.908	0.953	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	5	7.8	7.98	8.4	7.7	0.117	0.342	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	5	7.8	7.888	8.4	7.7	0.128	0.357	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	5	0.016	0.013	0.02	0.004	0.	0.008	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	5	35.	34.4	58.	20.	224.3	14.977	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	5	0.2	0.244	0.44	0.1	0.016	0.127	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	2	0.215	0.215	0.23	0.2	0.	0.021	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	5	5.	5.6	10.	3.	7.3	2.702	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	5	160000.	1924200.	9200000.	10000.	**********	4068363.086	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	5	5.204	5.17	6.964	4.	1.336	1.156	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			148037.243								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1963 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	5	5.2	4.56	6.4	2.2	2.663	1.632	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	5	7.	7.96	14.	4.8	12.808	3.579	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	5	7.9	8.12	9.	7.7	0.277	0.526	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	5	7.9	7.953	9.	7.7	0.312	0.558	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	5	0.013	0.011	0.02	0.001	0.	0.008	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	5	18.	29.8	73.	8.	759.7	27.563	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	5	0.92	1.068	1.9	0.26	0.454	0.674	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	5	0.32	0.358	0.47	0.27	0.009	0.095	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	5	15.	16.6	24.	10.	33.3	5.771	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	3	22000.	65000.	160000.	13000.	6789000000.	82395.388	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	3	4.342	4.553	5.204	4.114	0.331	0.575	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			35768.056								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1964 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	6	6.25	5.9	7.6	4.2	1.792	1.339	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	6	4.9	4.983	6.5	2.8	1.814	1.347	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1964 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	6	7.65	7.717	8.5	7.1	0.218	0.467	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	6	7.647	7.543	8.5	7.1	0.254	0.504	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	6	0.023	0.029	0.079	0.003	0.001	0.027	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	6	60.5	157.333	690.	26.	68337.467	261.414	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	6	0.44	0.437	0.7	0.1	0.038	0.195	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	6	0.335	0.338	0.46	0.26	0.005	0.071	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	6	12.5	11.5	17.	7.	15.1	3.886	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	6	73000.	106250.	240000.	2300.	11787111000.	108568.462	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	6	4.848	4.63	5.38	3.362	0.66	0.812	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			42692.667								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	5	4600.	4720.	7900.	800.	8177000.	2859.545	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	5	3.663	3.565	3.898	2.903	0.16	0.4	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3676.354								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1965 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	6	6.65	5.733	8.4	0.5	8.603	2.933	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	6	4.4	4.7	6.5	3.3	1.484	1.218	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	6	7.8	7.717	8.4	7.	0.266	0.515	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	6	7.755	7.479	8.4	7.	0.334	0.578	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	6	0.018	0.033	0.1	0.004	0.001	0.037	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	6	42.5	48.333	110.	7.	1174.267	34.268	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	6	0.255	0.52	1.7	0.1	0.361	0.601	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	6	0.42	0.465	0.76	0.32	0.025	0.158	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	6	8.5	12.5	26.	4.	84.7	9.203	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	6	24000.	77483.333	350000.	7900.	17898681666.667	133785.955	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	6	4.38	4.521	5.544	3.898	0.299	0.547	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			33194.501								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	6	6400.	10716.667	33000.	2200.	134213666.667	11585.062	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	6	3.794	3.847	4.519	3.342	0.182	0.427	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7028.611								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1967 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	3	480.	466.667	500.	420.	1733.333	41.633	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	4	6.8	6.925	8.6	5.5	1.629	1.276	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	4	6.3	5.85	6.3	4.5	0.81	0.9	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	4	7.95	7.9	8.2	7.5	0.087	0.294	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	4	7.947	7.82	8.2	7.5	0.095	0.308	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	4	0.011	0.015	0.032	0.006	0.	0.011	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	4	185.	185.	210.	160.	433.333	20.817	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	4	32.	33.	60.	8.	452.667	21.276	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	4	1.35	1.35	1.6	1.1	0.057	0.238	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	4	0.785	0.885	1.7	0.27	0.42	0.648	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	4	0.78	0.95	1.7	0.54	0.284	0.533	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	4	0.485	0.513	0.77	0.31	0.05	0.224	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	4	240.	235.	240.	220.	100.	10.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	4	19.5	17.5	22.	9.	35.	5.916	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	4	26950.	25172.5	46000.	790.	586805025.	24224.059	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1967 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	4	4.28	4.03	4.663	2.898	0.7	0.837	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			10719.943								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	4	2800.	4207.5	11000.	230.	22140225.	4705.34	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	4	3.44	3.321	4.041	2.362	0.493	0.702	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2093.344								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	3	410.	440.	530.	380.	6300.	79.373	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	3	10.5	8.267	14.1	0.2	52.043	7.214	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	3	6.3	6.7	7.8	6.	0.93	0.964	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	3	7.8	7.767	8.3	7.2	0.303	0.551	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	3	7.8	7.553	8.3	7.2	0.372	0.61	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	3	0.016	0.028	0.063	0.005	0.001	0.031	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	3	160.	173.333	220.	140.	1733.333	41.633	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	3	31.	28.333	46.	8.	366.333	19.14	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	3	1.7	1.667	1.9	1.4	0.063	0.252	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	3	0.26	0.987	2.6	0.1	1.959	1.399	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	3	0.13	0.22	0.52	0.01	0.071	0.267	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	3	0.52	0.667	1.1	0.38	0.146	0.382	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	3	220.	250.	340.	190.	6300.	79.373	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	3	16.	17.	23.	12.	31.	5.568	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	3	22000.	55000.	130000.	13000.	4239000000.	65107.603	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	3	4.342	4.523	5.114	4.114	0.275	0.524	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			33376.167								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	3	490.	9606.667	28000.	330.	253742433.333	15929.295	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	3	2.69	3.219	4.447	2.519	1.139	1.067	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1654.332								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-03/16/77	4	19.5	21.	32.	13.	83.333	9.129	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	4	540.	542.5	610.	480.	3425.	58.523	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	4	6.2	6.85	9.4	5.6	2.997	1.731	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	4	7.	7.325	9.4	5.9	2.423	1.556	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	4	7.75	7.775	8.1	7.5	0.076	0.275	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	4	7.725	7.714	8.1	7.5	0.081	0.284	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	4	0.019	0.019	0.032	0.008	0.	0.011	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	4	200.	197.5	200.	190.	25.	5.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	4	46.	51.75	85.	30.	678.917	26.056	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	4	0.99	0.95	1.4	0.42	0.162	0.403	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	4	0.6	0.7	1.4	0.2	0.26	0.51	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	4	0.565	0.56	0.62	0.49	0.004	0.061	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	4	245.	257.5	320.	220.	1891.667	43.493	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	4	150.	155.	200.	120.	1100.	33.166	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/71-01/05/77	3	20.	20.	21.	19.	1.	1.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/71-01/05/77	3	5.	5.333	6.	5.	0.333	0.577	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	4	17.5	18.5	26.	13.	33.667	5.802	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/71-01/05/77	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	4 ##	5.	6.5	11.	5.	9.	3.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	4	34.	56.	130.	26.	2448.	49.477	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	4	490.	912.5	2400.	270.	994158.333	997.075	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	4	2.69	2.798	3.38	2.431	0.166	0.407	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			628.046								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	4	110.	180.	490.	10.	47333.333	217.562	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	4	1.965	1.905	2.69	1.	0.528	0.727	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			80.335								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-03/16/77	8	19.5	21.225	41.	4.8	166.576	12.906	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	8	380.	418.75	620.	270.	15498.214	124.492	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	8	9.55	9.675	12.8	6.8	4.622	2.15	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	8	4.4	4.438	6.5	2.1	2.343	1.531	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	8	7.75	7.775	8.1	7.5	0.036	0.191	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	8	7.747	7.74	8.1	7.5	0.038	0.195	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	8	0.018	0.018	0.032	0.008	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	8	170.	176.25	220.	130.	883.929	29.731	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	8	49.5	60.625	140.	8.	2430.268	49.298	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	8	0.345	0.395	1.1	0.1	0.104	0.322	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	8	1.2	1.338	2.8	0.36	1.009	1.004	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	8	0.37	0.395	0.59	0.28	0.008	0.091	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	8	235.	238.75	350.	170.	2698.214	51.944	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	8	140.	145.	200.	110.	800.	28.284	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/71-01/05/77	8	11.5	12.125	22.	7.	25.268	5.027	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/71-01/05/77	7	4.	7.	22.	2.	46.333	6.807	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	8	12.5	13.125	22.	7.	23.839	4.883	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/71-01/05/77	8	0.1	0.125	0.2	0.1	0.002	0.046	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	7 ##	5.	9.714	38.	5.	155.571	12.473	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	8 ##	5.	11.5	36.	5.	122.286	11.058	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	8	1200.	1322.5	2300.	400.	440621.429	663.793	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	4 ##	5.	7.	13.	5.	16.	4.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	8	99.5	104.375	180.	67.	1378.554	37.129	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	8	26.	30.5	54.	22.	111.714	10.569	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	8	7000.	49087.5	230000.	1300.	7260686964.286	85209.665	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	8	3.845	3.986	5.362	3.114	0.733	0.856	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			9679.537								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	8	595.	2217.5	13000.	20.	19557278.571	4422.361	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	8	2.768	2.619	4.114	1.301	0.874	0.935	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			416.324								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-03/16/77	12	13.	13.95	35.	3.3	86.245	9.287	3.36	5.55	19.5	31.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	12	455.	445.	600.	310.	9354.545	96.719	313.	345.	512.5	594.
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	12	8.7	9.067	14.7	5.5	5.71	2.389	5.86	7.65	9.975	13.74
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	12	5.8	5.658	9.1	2.5	4.714	2.171	2.74	3.5	7.6	8.83
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	12	7.9	7.908	8.1	7.7	0.023	0.151	7.7	7.8	8.075	8.1
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	12	7.9	7.885	8.1	7.7	0.023	0.153	7.7	7.8	8.075	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	12	0.013	0.013	0.02	0.008	0.	0.004	0.008	0.008	0.016	0.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	12	190.	179.167	220.	140.	771.97	27.784	140.	152.5	200.	217.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	12	32.	35.583	97.	3.	718.992	26.814	3.3	10.5	48.5	85.6
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	5	1.5	1.74	2.4	1.3	0.203	0.451	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	12	0.815	0.683	1.1	0.1	0.118	0.343	0.163	0.353	0.978	1.1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	12	1.2	1.854	6.1	0.27	2.835	1.684	0.354	0.595	2.675	5.26
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	12	0.32	0.338	0.56	0.22	0.008	0.09	0.235	0.275	0.368	0.521
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	12	245.	234.167	300.	170.	2171.97	46.604	170.	182.5	275.	297.
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	12	135.	141.583	190.	92.	1020.265	31.942	93.5	122.5	167.5	190.
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/71-01/05/77	10	16.5	17.3	24.	11.	16.456	4.057	11.3	14.	21.	23.7
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/71-01/05/77	10	3.	3.82	9.	3.	3.48	1.865	3.	3.	4.	8.5
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	12	19.5	19.833	34.	9.	49.606	7.043	9.9	15.25	26.	31.9
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/71-01/05/77	12	0.2	0.195	0.23	0.12	0.001	0.027	0.135	0.2	0.2	0.227
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	12 ##	5.	6.083	18.	5.	14.083	3.753	5.	5.	5.	14.1
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	12 ##	5.	7.333	33.	5.	65.333	8.083	5.	5.	5.	24.6
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	12	1085.	1794.167	6000.	170.	3972644.697	1993.149	182.	370.	1875.	5910.
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	12 ##	5.	9.167	32.	5.	63.424	7.964	5.	5.	12.75	26.3
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	12	120.	144.167	240.	100.	2444.697	49.444	100.	110.	160.	240.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	12 ##	5.	6.5	11.	5.	7.364	2.714	5.	5.	9.5	11.
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	12	19.	23.083	72.	5.	287.538	16.957	7.4	14.25	27.75	59.7
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	12	6400.	6690.	23000.	490.	44088272.727	6639.9	580.	1300.	9200.	20000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	12	3.794	3.568	4.362	2.69	0.301	0.549	2.752	3.114	3.964	4.287
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3699.95								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	12	275.	867.5	3300.	10.	1280511.364	1131.597	22.	70.	2000.	3000.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	12	2.43	2.455	3.519	1.	0.608	0.78	1.21	1.803	3.282	3.471
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			285.119								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-03/16/77	12	10.45	12.133	34.	2.7	91.13	9.546	2.79	4.625	15.75	31.3
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	12	405.	411.667	520.	320.	4833.333	69.522	323.	355.	490.	517.
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	12	7.95	8.467	12.1	5.4	5.606	2.368	5.46	6.475	10.85	12.1
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	12	6.4	6.567	9.8	3.	6.562	2.562	3.06	4.325	9.275	9.77
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	12	8.	7.933	8.2	7.6	0.032	0.178	7.63	7.8	8.075	8.17
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	12	8.	7.899	8.2	7.6	0.033	0.181	7.63	7.8	8.075	8.17
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	12	0.01	0.013	0.025	0.006	0.	0.006	0.007	0.008	0.016	0.024
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	12	165.	170.833	210.	140.	644.697	25.391	140.	150.	200.	207.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	12	27.	30.667	94.	2.	718.242	26.8	2.	12.	42.25	84.4
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	12	1.45	1.5	2.1	1.2	0.069	0.263	1.2	1.25	1.675	1.98
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	12	0.805	0.848	2.7	0.1	0.502	0.708	0.13	0.22	1.133	2.28
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	12	1.65	1.858	3.6	0.9	0.695	0.834	0.96	1.125	2.375	3.42
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	12	0.38	0.371	0.55	0.17	0.012	0.11	0.182	0.323	0.465	0.532
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	12	200.	200.	250.	150.	854.545	29.233	153.	180.	225.	244.
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	12	130.	130.667	170.	98.	510.788	22.601	98.6	112.5	150.	164.
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/71-01/05/77	12	15.	16.3	40.	8.2	69.32	8.326	8.26	12.	18.	34.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/71-01/05/77	12	4.25	4.133	7.	1.2	2.541	1.594	1.56	3.2	5.125	6.7
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	12	18.5	17.583	24.	10.	16.992	4.122	10.3	14.75	19.75	23.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/71-01/05/77	12	0.205	0.221	0.34	0.16	0.003	0.056	0.163	0.175	0.248	0.331

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	12 ##	8.5	11.083	33.	5.	69.174	8.317	5.	5.	14.5	28.2
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	12	1150.	1413.333	4400.	250.	1384187.879	1176.515	265.	445.	2025.	3770.
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	12 ##	5.	8.917	32.	5.	62.083	7.879	5.	5.	11.5	26.3
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	12	125.	179.667	590.	14.	25289.515	159.027	21.5	84.75	247.5	518.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	12 ##	5.	9.083	24.	5.	35.356	5.946	5.	5.	13.	20.7
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	12	34.5	37.5	83.	14.	367.909	19.181	14.6	25.	47.25	75.5
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	12	1200.	2550.	7900.	330.	7849018.182	2801.61	378.	490.	4275.	7900.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	12	3.078	3.166	3.898	2.519	0.232	0.482	2.57	2.69	3.613	3.898
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1466.086								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	12	60.	180.	1100.	10.	91363.636	302.264	10.	20.	227.5	839.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	12	1.772	1.847	3.041	1.	0.408	0.639	1.	1.175	2.357	2.837
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			70.297								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-03/16/77	12	14.	13.675	28.	2.2	82.717	9.095	2.29	4.925	20.75	27.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	12	405.	390.833	480.	300.	2899.242	53.845	303.	342.5	427.5	465.
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	12	9.9	9.242	12.6	5.	5.632	2.373	5.36	7.	11.125	12.21
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	12	4.2	3.942	7.3	1.1	2.779	1.667	1.16	3.25	4.675	6.7
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	12	7.85	7.867	8.1	7.6	0.024	0.156	7.63	7.725	8.	8.07
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	12	7.847	7.841	8.1	7.6	0.025	0.158	7.63	7.725	8.	8.07
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	12	0.014	0.014	0.025	0.008	0.	0.005	0.009	0.01	0.019	0.024
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	12	170.	169.167	200.	100.	681.061	26.097	118.	160.	190.	197.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	12	35.	34.25	95.	3.	841.659	29.011	3.3	4.75	53.25	86.3
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	12	1.2	1.097	1.7	0.15	0.242	0.492	0.264	0.71	1.55	1.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	12	0.57	0.558	1.2	0.21	0.073	0.269	0.222	0.318	0.678	1.059
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	12	0.68	1.067	3.4	0.05	0.981	0.991	0.119	0.498	1.675	3.1
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	12	0.315	0.305	0.48	0.11	0.009	0.096	0.149	0.246	0.35	0.462
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	12	205.	198.333	230.	150.	487.879	22.088	159.	180.	210.	227.
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	12	130.	132.5	200.	110.	565.909	23.789	110.	120.	140.	182.
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/71-01/05/77	12	16.5	16.375	32.	6.2	47.295	6.877	7.13	11.	20.75	28.7
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/71-01/05/77	12	3.5	4.658	13.	2.5	8.363	2.892	2.53	3.175	5.775	10.96
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	12	20.	20.083	39.	12.	54.265	7.366	12.3	14.25	23.5	34.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/71-01/05/77	12	0.21	0.19	0.25	0.05	0.004	0.06	0.074	0.148	0.24	0.247
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	12 ##	5.	15.917	110.	5.	888.629	29.81	5.	5.	11.5	81.2
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	12	935.	1204.167	4200.	140.	1502081.061	1225.594	143.	210.	2000.	3660.
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	12 ##	5.	7.167	20.	5.	26.333	5.132	5.	5.	5.	18.8
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	12	150.	184.917	400.	56.	13490.447	116.148	56.6	93.75	292.5	388.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	12 ##	5.	6.417	12.	5.	6.811	2.61	5.	5.	8.75	11.4
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	12	24.	26.5	75.	5.	302.273	17.386	6.5	17.5	29.75	62.7
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	12	1650.	2405.833	9200.	110.	7438062.879	2727.281	146.	257.5	3450.	8060.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	12	3.192	3.046	3.964	2.041	0.399	0.632	2.137	2.404	3.538	3.894
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1111.054								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	12	230.	657.5	3500.	10.	1099475.	1048.559	10.	27.5	1090.	2960.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	12	2.316	2.2	3.544	1.	0.756	0.87	1.	1.401	3.001	3.45
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			158.525								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	16	16.	13.625	24.5	0.	92.717	9.629	0.	1.5	22.	24.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-03/16/77	16	15.	16.338	48.	2.8	110.292	10.502	4.06	10.25	19.5	32.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	16	535.	532.5	710.	360.	6806.667	82.503	409.	500.	550.	661.
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	16	8.05	8.519	14.6	4.6	8.291	2.879	4.95	6.2	9.95	14.04
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	16	10.25	9.694	16.	0.7	19.293	4.392	3.36	5.875	13.75	14.88
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	16	8.	8.075	8.9	7.6	0.097	0.311	7.74	7.9	8.275	8.55
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	16	7.989	7.991	8.9	7.6	0.104	0.323	7.74	7.9	8.275	8.55
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	16	0.01	0.01	0.025	0.001	0.	0.006	0.003	0.005	0.013	0.019
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	10	180.	178.	200.	150.	306.667	17.512	151.	160.	192.5	200.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	16	43.5	40.05	100.	0.8	625.373	25.007	4.44	22.5	54.5	72.7
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	16	2.1	1.932	3.8	0.15	1.011	1.006	0.451	1.25	2.7	3.45
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	16	0.775	0.889	2.6	0.1	0.491	0.701	0.1	0.423	1.175	2.25
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	9	0.46	0.612	2.3	0.04	0.47	0.686	0.04	0.16	0.745	2.3
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	7	0.47	0.513	1.	0.22	0.068	0.262	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	16	0.449	0.495	1.04	0.267	0.04	0.199	0.272	0.356	0.6	0.817
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	10	230.	224.	250.	180.	493.333	22.211	182.	207.5	242.5	250.
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	10	140.	135.	150.	110.	161.111	12.693	111.	127.5	142.5	150.
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/71-01/05/77	10	23.	25.78	51.	11.	187.995	13.711	11.2	16.	32.5	50.8
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/71-01/05/77	10	4.1	4.12	5.2	3.2	0.46	0.678	3.21	3.375	4.8	5.16
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	16	33.5	37.5	65.	13.	207.6	14.408	20.	25.5	49.5	59.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/71-01/05/77	10	0.245	0.287	0.54	0.14	0.016	0.125	0.144	0.18	0.38	0.527
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	10	875.	1060.	2600.	250.	531511.111	729.048	251.	665.	1400.	2540.
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	10 ##	5.	5.1	6.	5.	0.1	0.316	5.	5.	5.	5.9
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	10	155.	183.	330.	130.	4645.556	68.158	130.	130.	225.	324.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	10 ##	8.	8.7	17.	5.	18.233	4.27	5.	5.	11.25	16.5
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	10	24.	23.2	31.	14.	30.178	5.493	14.1	20.25	26.25	30.9
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	9	400.	1507.778	7900.	40.	6310719.444	2512.115	40.	150.	1950.	7900.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	9	2.602	2.709	3.898	1.602	0.495	0.704	1.602	2.172	3.286	3.898
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			511.894								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	16	20.	158.125	790.	10.	89696.25	299.493	10.	10.	50.	790.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	16	1.301	1.515	2.898	1.	0.513	0.716	1.	1.	1.699	2.898
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			32.745								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	3	0.5	1.167	3.	0.	2.583	1.607	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/19/71-03/16/77	3	5.1	8.833	18.	3.4	63.743	7.984	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	3	760.	700.	790.	550.	17100.	130.767	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	3	4.6	5.1	8.1	2.6	7.75	2.784	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	3	3.9	5.3	8.1	3.9	5.88	2.425	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	3	7.7	7.767	8.	7.6	0.043	0.208	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	3	7.7	7.736	8.	7.6	0.045	0.211	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	3	0.02	0.018	0.025	0.01	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	3	2.	4.083	10.	0.25	27.021	5.198	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	3	1.2	1.13	1.2	0.99	0.015	0.121	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	3	3.4	2.833	3.6	1.5	1.343	1.159	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	3	0.43	0.533	0.74	0.43	0.032	0.179	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	3	0.439	0.501	1.05	0.013	0.272	0.521	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	1	290.	290.	290.	290.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/71-01/05/77	1	52.	52.	52.	52.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/71-01/05/77	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	3	64.	59.667	67.	48.	104.333	10.214	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/71-01/05/77	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	1	320.	320.	320.	320.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	1	22.	22.	22.	22.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	3	20.	56.667	140.	10.	5233.333	72.342	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	3	1.301	1.482	2.146	1.	0.353	0.594	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			30.366								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	2	12.25	12.25	15.5	9.	21.125	4.596	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	1	520.	520.	520.	520.	0.	0.	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	2	9.4	9.4	10.8	8.	3.92	1.98	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	1	0.92	0.92	0.92	0.92	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	1	1.62	1.62	1.62	1.62	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	1	0.218	0.218	0.218	0.218	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	1	3.114	3.114	3.114	3.114	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1300.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	15.	14.	26.	0.	86.063	9.277	0.	4.75	22.75	26.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	620.	608.889	670.	500.	3561.111	59.675	500.	565.	665.	670.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	9	7.	6.222	10.	2.	8.444	2.906	2.	3.5	9.	10.
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	9	8.6	8.856	13.7	5.6	8.208	2.865	5.6	6.25	11.3	13.7
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	9	3.6	3.422	5.8	1.4	3.357	1.832	1.4	1.5	5.45	5.8
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	9	8.	8.011	8.2	7.8	0.024	0.154	7.8	7.9	8.2	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	9	8.	7.988	8.2	7.8	0.024	0.156	7.8	7.9	8.2	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	9	0.01	0.01	0.016	0.006	0.	0.003	0.006	0.006	0.013	0.016
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	9	40.	41.333	77.	3.	648.25	25.461	3.	21.5	68.	77.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	1.15	1.284	2.08	0.88	0.142	0.376	0.88	1.035	1.55	2.08
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.3	0.533	1.12	0.23	0.123	0.351	0.23	0.25	0.9	1.12
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	9	1.84	1.818	2.38	1.28	0.121	0.348	1.28	1.51	2.05	2.38
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	9	2.	2.414	4.9	0.55	2.631	1.622	0.55	0.99	3.95	4.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	9	0.287	0.353	0.968	0.188	0.058	0.241	0.188	0.225	0.374	0.968
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	8	80.	173.75	790.	10.	66883.929	258.619	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	8	1.903	1.897	2.898	1.	0.352	0.593	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			78.965								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	15.	14.167	23.	0.	68.	8.246	0.	7.25	22.	23.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	510.	493.333	640.	330.	12250.	110.68	330.	395.	600.	640.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	9	3.	4.167	11.5	2.	8.25	2.872	2.	3.	4.5	11.5
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	8	8.35	9.15	13.1	7.4	3.363	1.834	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	8	2.5	2.625	4.4	0.8	1.059	1.029	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	9	8.1	8.1	8.3	7.7	0.038	0.194	7.7	8.	8.25	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	9	8.1	8.057	8.3	7.7	0.04	0.199	7.7	8.	8.25	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	9	0.008	0.009	0.02	0.005	0.	0.005	0.005	0.006	0.01	0.02
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	9	61.	59.111	92.	2.	748.611	27.361	2.	46.5	82.	92.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	1.24	1.187	1.42	0.78	0.042	0.206	0.78	1.03	1.345	1.42
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.18	0.338	1.2	0.14	0.133	0.364	0.14	0.145	0.44	1.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	9	1.43	1.524	2.09	1.11	0.102	0.32	1.11	1.32	1.755	2.09
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	9	1.8	1.717	3.	0.42	0.888	0.942	0.42	0.815	2.5	3.
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	9	0.219	0.245	0.412	0.163	0.006	0.078	0.163	0.194	0.296	0.412
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	7	63.	239.857	1300.	27.	219697.143	468.719	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	7	1.799	1.938	3.114	1.431	0.319	0.565	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			86.66								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	15.	14.667	25.5	0.	91.812	9.582	0.	4.75	22.5	25.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	540.	527.778	620.	420.	3744.444	61.192	420.	480.	570.	620.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	9	3.	2.722	4.	0.	1.694	1.302	0.	2.	4.	4.
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	9	7.8	8.978	13.2	6.	6.554	2.56	6.	6.9	11.25	13.2
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	3	2.6	3.033	5.2	1.3	3.943	1.986	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	9	8.	7.944	8.2	7.6	0.033	0.181	7.6	7.8	8.05	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	9	8.	7.909	8.2	7.6	0.034	0.185	7.6	7.8	8.05	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	9	0.01	0.012	0.025	0.006	0.	0.006	0.006	0.009	0.016	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	9	60.	63.778	160.	2.	2140.194	46.262	2.	28.	85.5	160.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	1.11	1.1	1.61	0.59	0.073	0.269	0.59	0.985	1.205	1.61
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.15	0.29	1.01	0.11	0.1	0.316	0.11	0.125	0.4	1.01
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	9	1.31	1.39	2.24	1.08	0.124	0.352	1.08	1.16	1.47	2.24
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	9	1.6	2.144	4.4	1.	1.42	1.192	1.	1.3	3.1	4.4
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	9	0.249	0.226	0.445	0.081	0.011	0.107	0.081	0.136	0.268	0.445
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	1	5.	5.	5.	5.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	6	165.	373.5	1100.	81.	162189.5	402.728	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	6	2.217	2.379	3.041	1.908	0.188	0.434	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			239.565								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	18.	15.667	28.	0.	119.75	10.943	0.	4.5	26.5	28.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	560.	561.111	660.	460.	5636.111	75.074	460.	490.	640.	660.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	9	2.	2.333	4.	1.	1.5	1.225	1.	1.	3.5	4.
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	9	7.7	9.256	14.8	6.	10.325	3.213	6.	6.4	11.95	14.8
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	3	3.7	4.433	6.	3.6	1.843	1.358	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	9	8.3	8.222	8.6	7.5	0.092	0.303	7.5	8.15	8.35	8.6
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	9	8.3	8.094	8.6	7.5	0.11	0.332	7.5	8.15	8.35	8.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	9	0.005	0.008	0.032	0.003	0.	0.009	0.003	0.004	0.007	0.032
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	9	32.	40.222	110.	8.	859.694	29.321	8.	24.5	50.5	110.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	1.28	1.313	1.83	0.74	0.136	0.368	0.74	1.02	1.65	1.83
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.32	0.424	0.9	0.12	0.071	0.267	0.12	0.21	0.645	0.9
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	9	1.72	1.738	2.4	1.06	0.186	0.431	1.06	1.385	2.125	2.4
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	9	0.94	0.989	1.4	0.76	0.045	0.212	0.76	0.815	1.15	1.4
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	9	0.308	0.281	0.342	0.158	0.005	0.069	0.158	0.234	0.321	0.342
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	1	6.	6.	6.	6.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9	9.	52.667	230.	2.	6368.25	79.801	2.	4.	95.	230.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	9	0.954	1.222	2.362	0.301	0.527	0.726	0.301	0.602	1.923	2.362
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			16.684								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	16.5	14.611	26.	0.	105.486	10.271	0.	5.	25.5	26.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	550.	537.778	660.	410.	10194.444	100.968	410.	440.	635.	660.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	9	5.	4.722	8.5	1.	8.257	2.873	1.	1.75	7.75	8.5
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	9	10.2	10.022	12.4	7.2	3.762	1.94	7.2	8.2	11.9	12.4
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	9	4.2	4.044	6.7	1.8	2.883	1.698	1.8	2.55	5.6	6.7
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	9	8.4	8.378	8.7	8.	0.049	0.222	8.	8.2	8.55	8.7
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	9	8.4	8.326	8.7	8.	0.052	0.229	8.	8.2	8.55	8.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	9	0.004	0.005	0.01	0.002	0.	0.003	0.002	0.003	0.006	0.01
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	9	22.	21.778	36.	4.	81.194	9.011	4.	17.5	28.5	36.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	1.36	1.352	1.81	0.8	0.141	0.375	0.8	0.97	1.73	1.81
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.31	0.33	0.72	0.07	0.052	0.228	0.07	0.105	0.515	0.72
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	9	1.65	1.682	2.05	1.28	0.067	0.259	1.28	1.49	1.94	2.05
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	9	1.4	1.43	2.3	0.92	0.213	0.462	0.92	0.975	1.75	2.3
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	9	0.365	0.336	0.543	0.19	0.015	0.121	0.19	0.225	0.424	0.543
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9	9.	123.5	950.	2.	96647.375	310.882	2.	3.25	58.	950.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	9	0.954	1.208	2.978	0.301	0.732	0.856	0.301	0.477	1.741	2.978
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			16.153								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	8	18.75	18.313	28.	3.	69.638	8.345	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	8	430.	428.75	530.	330.	3069.643	55.404	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	7	4.	4.	7.	2.	2.333	1.528	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	8	9.7	9.2	10.8	7.	1.609	1.268	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	8	3.7	3.863	5.6	2.4	0.977	0.988	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	8	8.3	8.25	8.6	7.8	0.083	0.288	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	8	8.3	8.165	8.6	7.8	0.091	0.302	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	8	0.005	0.007	0.016	0.003	0.	0.005	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	8	17.	18.625	33.	3.	77.696	8.815	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	8	1.325	1.411	1.85	1.19	0.062	0.249	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	8	0.19	0.279	0.91	0.11	0.068	0.26	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	8	1.67	1.69	2.1	1.38	0.08	0.283	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	8	0.865	0.934	1.7	0.34	0.208	0.456	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	8	0.308	0.313	0.421	0.183	0.006	0.074	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	8	34.	37.5	130.	2.	1639.714	40.493	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	8	1.531	1.31	2.114	0.301	0.35	0.591	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			20.431								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	17.	15.278	24.	0.	75.944	8.715	0.	7.	23.25	24.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	490.	487.778	580.	330.	6769.444	82.277	330.	435.	560.	580.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	9	5.	5.222	12.	3.	7.944	2.819	3.	3.	6.	12.
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	9	9.6	9.778	14.2	6.	9.777	3.127	6.	6.25	12.65	14.2
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	9	3.9	4.089	6.8	1.4	3.116	1.765	1.4	2.8	5.75	6.8
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	9	8.3	8.367	8.9	8.	0.083	0.287	8.	8.15	8.6	8.9
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	9	8.3	8.293	8.9	8.	0.089	0.298	8.	8.15	8.6	8.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	9	0.005	0.005	0.01	0.001	0.	0.003	0.001	0.003	0.007	0.01
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	9	33.	27.111	46.	4.	203.361	14.26	4.	12.5	38.	46.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	1.78	1.631	2.08	1.	0.105	0.324	1.	1.405	1.82	2.08
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.2	0.322	0.9	0.04	0.075	0.273	0.04	0.11	0.49	0.9
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	9	1.97	1.953	2.31	1.69	0.039	0.196	1.69	1.79	2.08	2.31
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	9	1.5	3.001	7.2	0.49	7.258	2.694	0.49	1.11	6.2	7.2
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	9	0.3	0.296	0.41	0.192	0.004	0.063	0.192	0.253	0.323	0.41
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9	28.	91.944	370.	4.	14425.653	120.107	4.	8.25	150.5	370.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	9	1.447	1.55	2.568	0.602	0.497	0.705	0.602	0.866	2.177	2.568
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			35.469								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	14.	13.222	25.	0.	90.382	9.507	0.	2.75	21.75	25.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	620.	586.667	630.	490.	2525.	50.249	490.	540.	620.	630.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	9	5.	4.	7.	1.	3.5	1.871	1.	2.5	5.	7.
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	9	8.2	9.7	15.6	6.2	10.708	3.272	6.2	7.05	12.35	15.6
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	8	2.35	7.	41.	1.4	188.877	13.743	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	9	8.2	8.144	8.3	8.	0.01	0.101	8.	8.05	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	9	8.2	8.134	8.3	8.	0.01	0.102	8.	8.05	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	9	0.006	0.007	0.01	0.005	0.	0.002	0.005	0.006	0.009	0.01
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	9	45.	72.111	280.	5.	6545.861	80.906	5.	37.5	76.	280.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	1.65	2.278	8.79	0.61	6.094	2.469	0.61	1.365	1.785	8.79
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.09	0.174	0.59	0.05	0.038	0.194	0.05	0.055	0.28	0.59
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	9	1.78	2.452	9.21	0.75	6.559	2.561	0.75	1.46	1.935	9.21
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	9	4.3	4.656	8.1	1.9	5.365	2.316	1.9	2.45	7.15	8.1
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	9	0.266	0.527	2.52	0.137	0.57	0.755	0.137	0.196	0.432	2.52
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	3	330.	320.	340.	290.	700.	26.458	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	3	200.	190.	200.	170.	300.	17.321	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	2 ##	25.5	25.5	40.	11.	420.5	20.506	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	8	125.	147.125	460.	16.	20893.554	144.546	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	8	2.088	1.959	2.663	1.204	0.242	0.492	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			91.046								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	9	15.	14.111	23.	0.	73.674	8.583	0.	6.75	23.	23.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	630.	634.444	700.	580.	1752.778	41.866	580.	605.	670.	700.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	9	3.	3.333	6.	1.	3.	1.732	1.	2.	5.	6.
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	9	11.	10.489	13.2	6.9	5.009	2.238	6.9	8.55	12.3	13.2
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	9	2.8	3.2	6.7	1.7	2.863	1.692	1.7	1.75	4.3	6.7
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	9	8.5	8.422	8.6	8.1	0.029	0.172	8.1	8.3	8.55	8.6
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	9	8.5	8.389	8.6	8.1	0.031	0.175	8.1	8.3	8.55	8.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	9	0.003	0.004	0.008	0.003	0.	0.002	0.003	0.003	0.005	0.008
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	9	29.	35.333	61.	2.	368.75	19.203	2.	22.5	53.	61.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	1.36	1.441	2.14	0.64	0.201	0.449	0.64	1.205	1.84	2.14
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.03	0.079	0.27	0.01	0.01	0.098	0.01	0.025	0.14	0.27
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	9	1.52	1.519	2.14	0.87	0.154	0.393	0.87	1.245	1.875	2.14
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	9	4.6	4.867	7.8	2.7	2.195	1.482	2.7	3.9	5.8	7.8
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	9	0.237	0.229	0.305	0.153	0.004	0.06	0.153	0.163	0.283	0.305
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9	32.	72.667	180.	4.	4776.	69.109	4.	10.	135.	180.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	9	1.505	1.57	2.255	0.602	0.375	0.612	0.602	0.991	2.128	2.255
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			37.119								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	8	12.	12.313	25.	0.	100.138	10.007	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	9	590.	602.222	680.	520.	4394.444	66.291	520.	535.	670.	680.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	8	2.	3.25	7.	1.	4.786	2.188	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	8	10.45	9.675	12.9	6.1	6.231	2.496	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	9	2.1	2.078	2.9	1.2	0.254	0.504	1.2	1.8	2.45	2.9
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	9	8.2	8.222	8.4	8.1	0.019	0.139	8.1	8.1	8.4	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	9	8.2	8.203	8.4	8.1	0.02	0.141	8.1	8.1	8.4	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	9	0.006	0.006	0.008	0.004	0.	0.002	0.004	0.004	0.008	0.008
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	9	45.	44.333	86.	2.	857.25	29.279	2.	19.	71.	86.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	9	1.22	1.12	1.33	0.64	0.062	0.249	0.64	0.93	1.29	1.33
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	9	0.09	0.147	0.42	0.03	0.018	0.135	0.03	0.065	0.235	0.42
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	9	1.31	1.267	1.39	1.06	0.014	0.117	1.06	1.165	1.35	1.39
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	9	3.7	3.356	5.1	2.1	1.14	1.068	2.1	2.2	4.15	5.1
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	9	0.224	0.224	0.292	0.174	0.002	0.045	0.174	0.181	0.267	0.292
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	9	52.	347.222	1600.	9.	340314.444	583.365	9.	38.	620.	1600.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	9	1.716	1.989	3.204	0.954	0.523	0.723	0.954	1.579	2.594	3.204
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			97.511								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

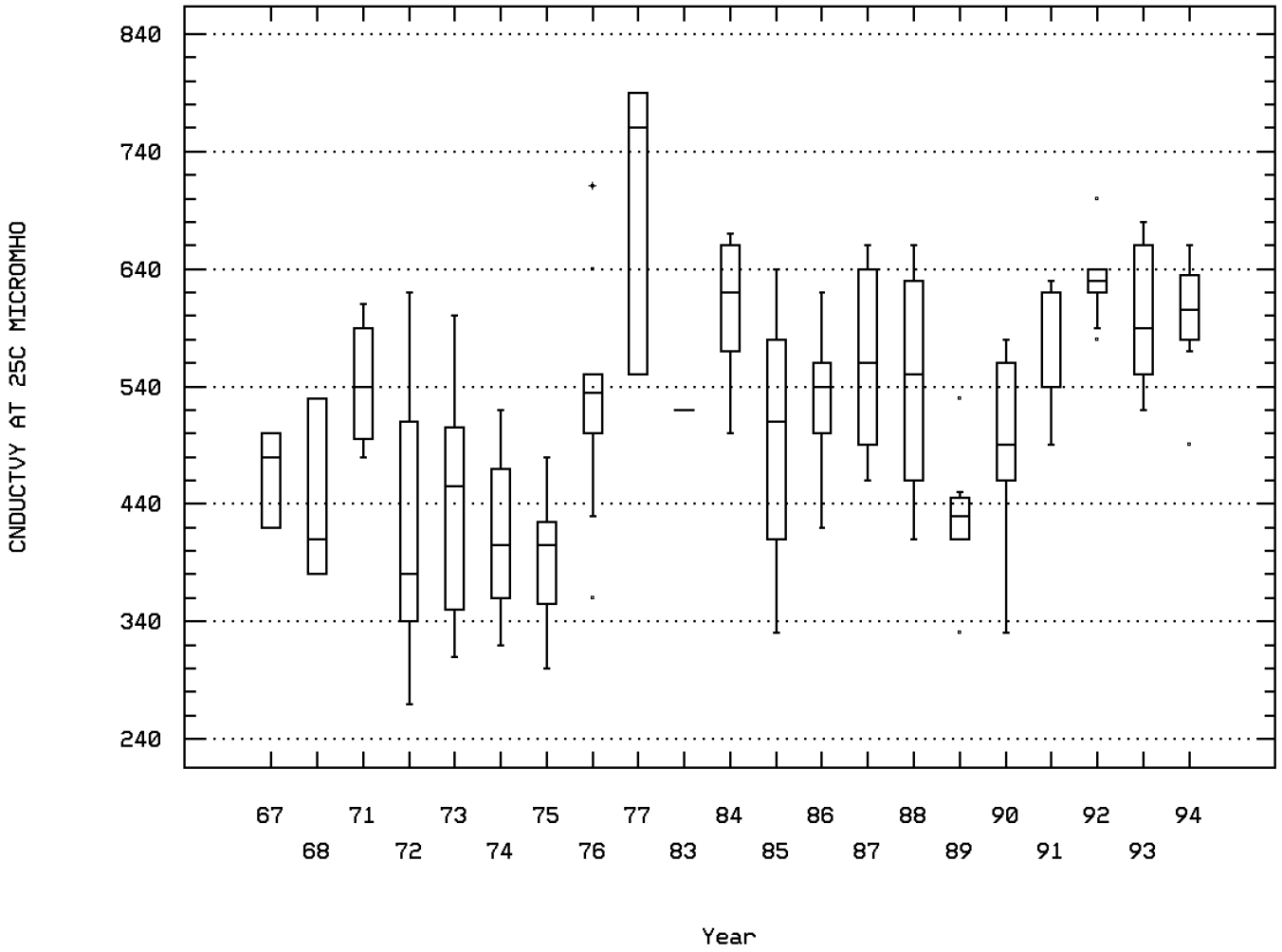
Annual Analysis for 1994 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	8	21.25	14.875	24.	0.	113.554	10.656	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	8	605.	598.75	660.	490.	2812.5	53.033	**	**	**	**
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	8	3.	3.125	8.	1.	5.839	2.416	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	8	7.75	9.225	12.4	7.	6.314	2.513	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	8	2.9	2.763	3.9	0.8	0.894	0.946	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	8	8.3	8.25	8.4	7.8	0.037	0.193	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	8	8.3	8.203	8.4	7.8	0.04	0.199	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	8	0.005	0.006	0.016	0.004	0.	0.004	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	8	53.	54.375	95.	1.	1006.554	31.726	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	8	1.245	1.221	1.52	0.69	0.062	0.249	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	8	0.045	0.155	0.5	0.01	0.042	0.205	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	8	1.335	1.374	1.66	1.18	0.033	0.181	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	8	2.4	2.513	3.5	1.6	0.453	0.673	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	8	0.262	0.229	0.31	0.005	0.01	0.1	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	8	65.5	127.125	360.	18.	19602.125	140.008	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	8	1.816	1.878	2.556	1.255	0.223	0.472	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			75.512								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0441 Parameter Code: 00095

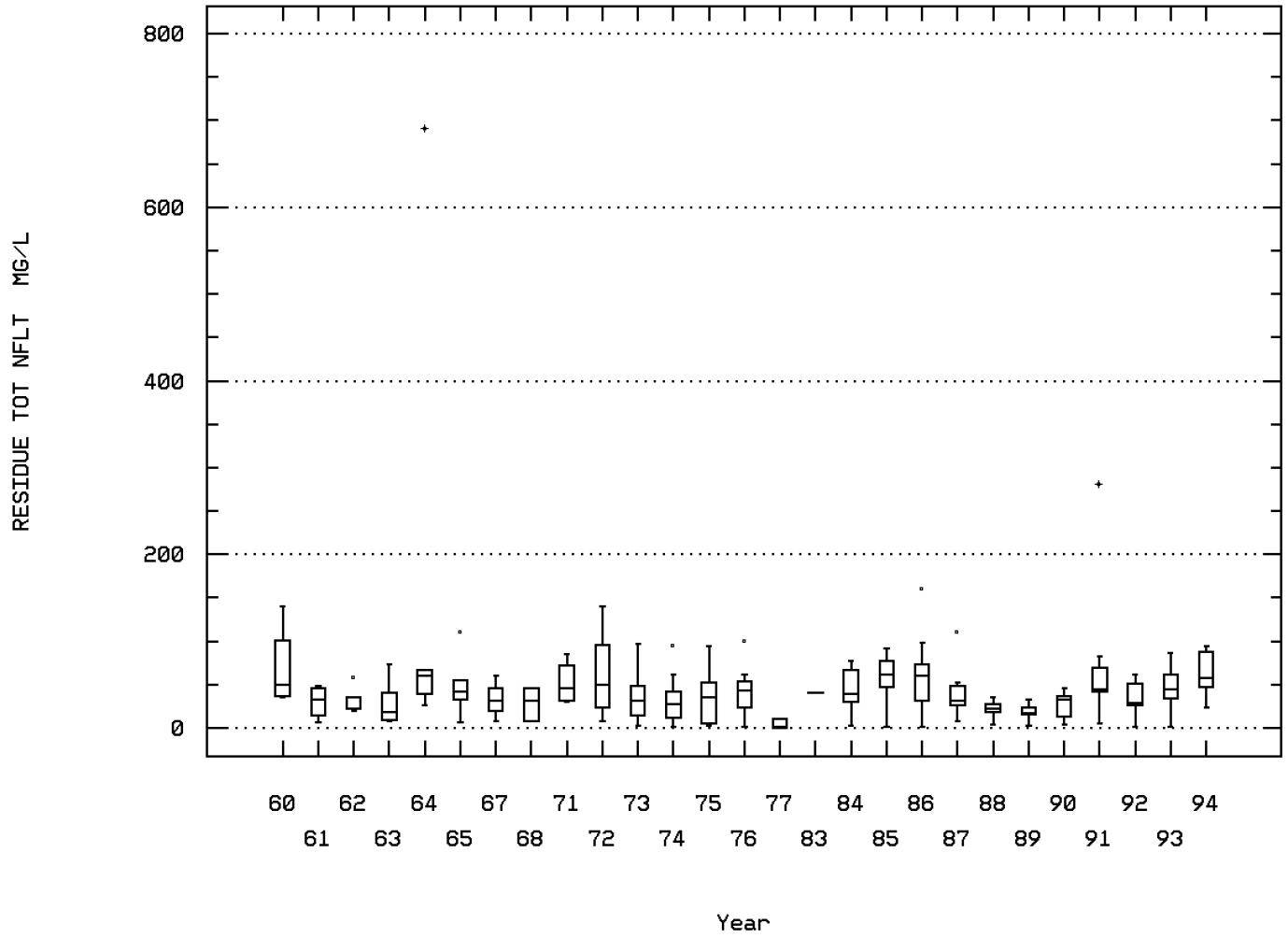
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00530

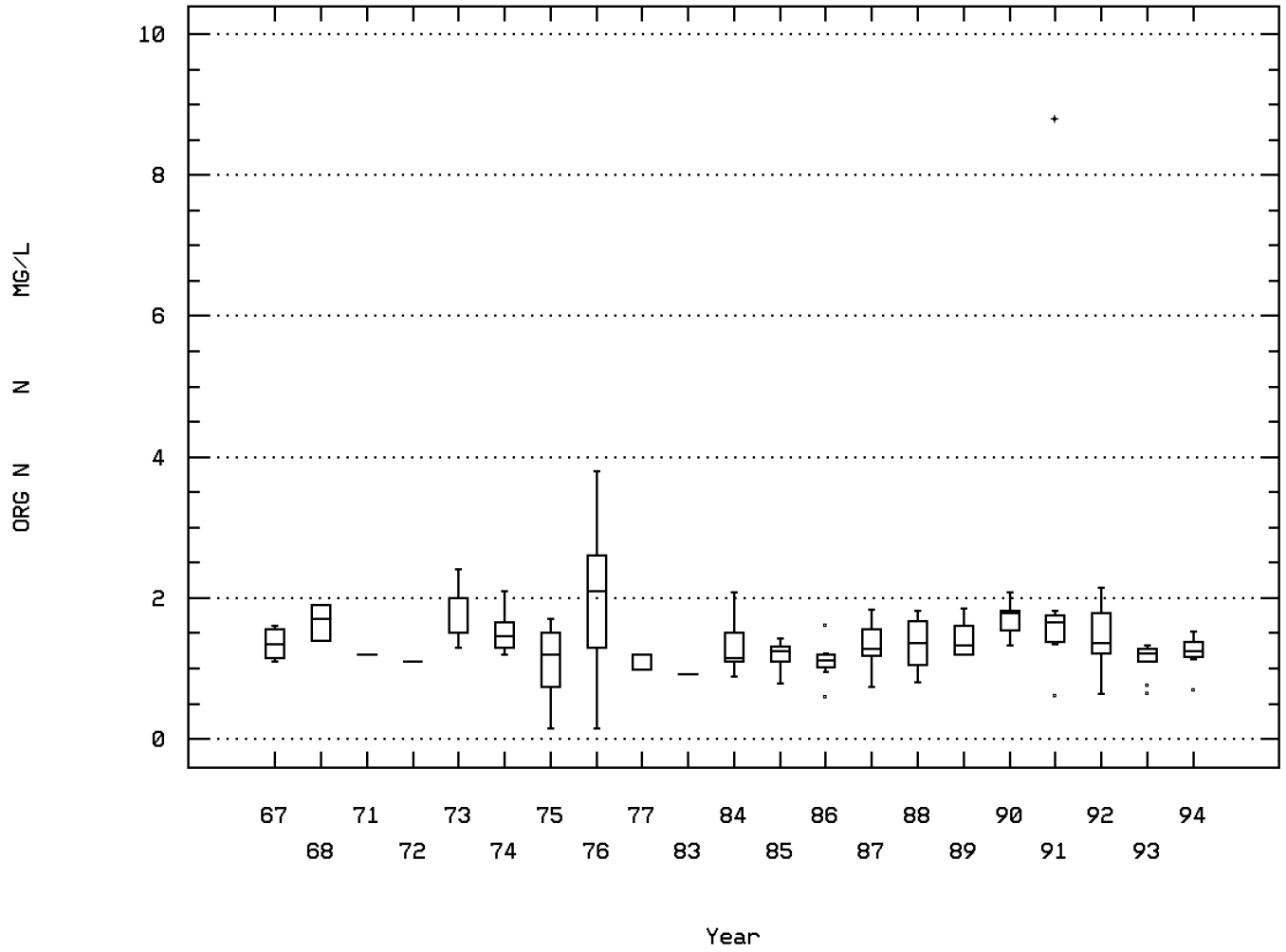
RESIDUE, TOTAL NONFILTRABLE (MG/L)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00605

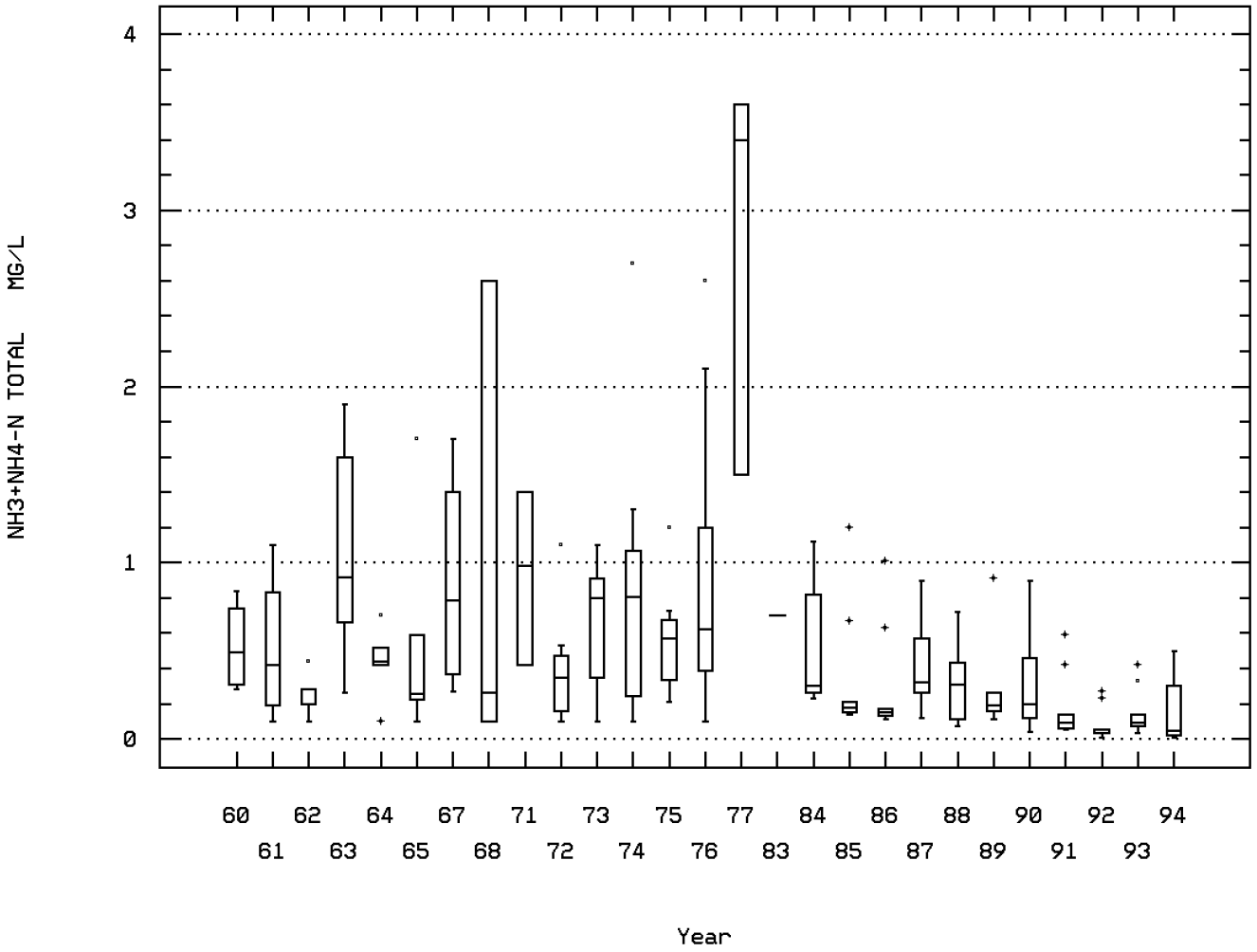
NITROGEN, ORGANIC, TOTAL (MG/L AS N)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00610

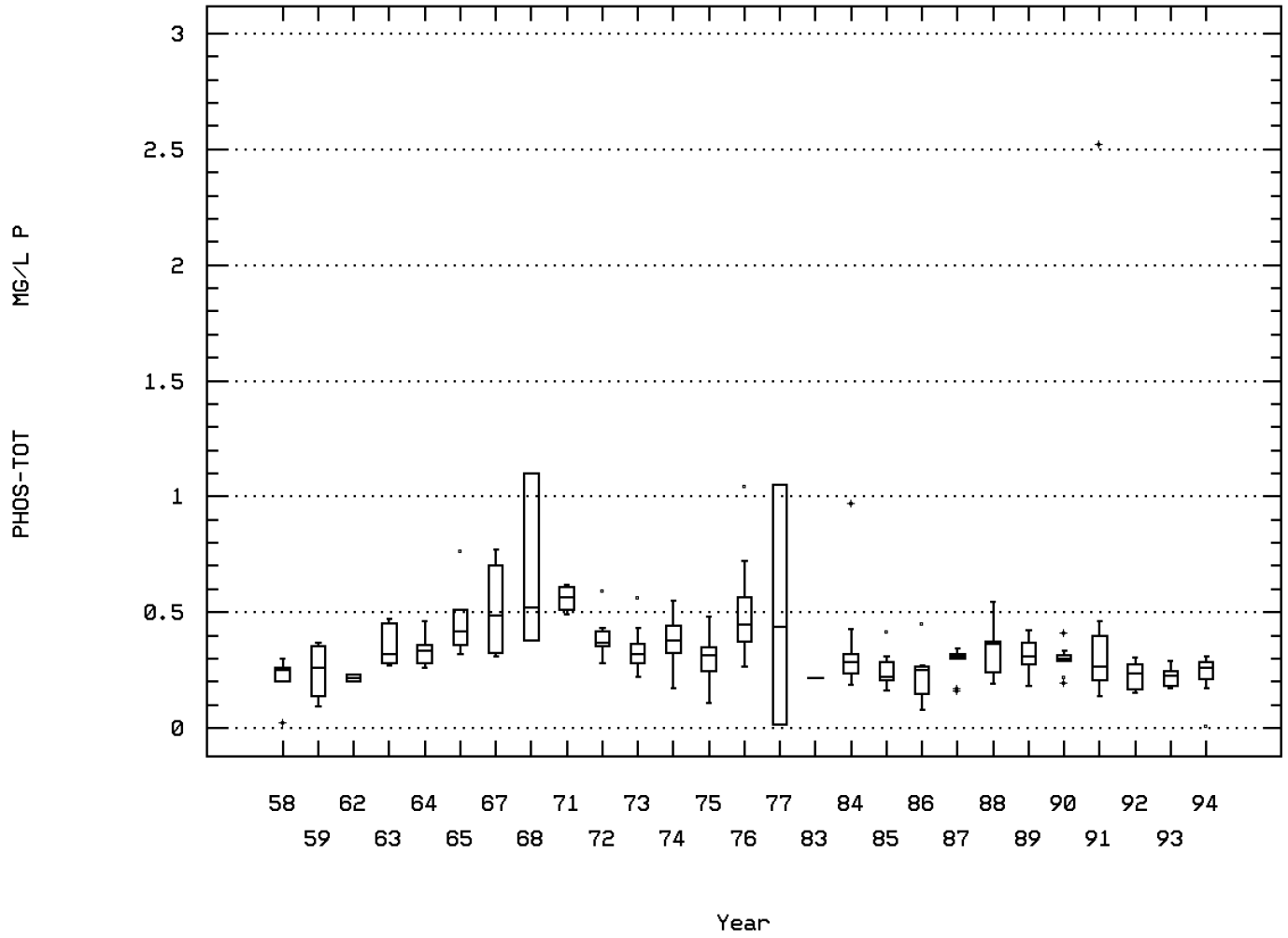
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	36	15.	15.139	25.	0.	45.194	6.723	5.55	10.25	21.75	24.3
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/15/58-12/09/75	33	59.	57.636	80.	35.	136.301	11.675	42.4	48.	67.	74.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	05/15/58-06/04/68	16	19.	25.25	90.	10.	443.933	21.07	10.	13.25	26.	69.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	54	500.	492.593	700.	310.	11449.755	107.004	330.	410.	572.5	640.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	31	4.	4.968	12.	2.	7.316	2.705	2.	3.	7.	9.7
00300p	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	69	8.1	8.225	14.6	4.5	4.578	2.14	5.3	6.55	9.85	11.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	65	4.6	5.185	16.	1.4	7.488	2.736	2.32	3.2	6.5	8.5
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	38	7.85	7.832	8.9	7.	0.163	0.403	7.1	7.675	8.1	8.31
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	38	7.847	7.647	8.9	7.	0.198	0.445	7.1	7.675	8.1	8.31
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	38	0.014	0.023	0.1	0.001	0.001	0.024	0.005	0.008	0.021	0.079
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	31	8.3	8.235	8.6	7.5	0.067	0.259	7.82	8.2	8.4	8.58
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	31	8.3	8.148	8.6	7.5	0.075	0.274	7.82	8.2	8.4	8.58
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	31	0.005	0.007	0.032	0.003	0.	0.006	0.003	0.004	0.006	0.015
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	20	180.	173.5	210.	140.	487.105	22.07	140.	152.5	190.	200.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	65	35.	50.123	690.	12.	6871.391	82.894	17.	26.	52.5	73.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/25/60-09/05/72	14	10.5	12.357	22.	8.	20.863	4.568	8.5	9.	15.25	20.5
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	50	1.29	1.445	3.8	0.61	0.348	0.59	0.971	1.168	1.5	2.098
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	65	0.37	0.52	2.7	0.02	0.26	0.51	0.078	0.14	0.74	1.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/23/76	14	0.035	0.08	0.7	0.005	0.032	0.18	0.005	0.018	0.06	0.38
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	21	0.5	0.689	2.3	0.05	0.313	0.559	0.214	0.32	0.81	1.68
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	34	1.49	1.589	2.4	0.75	0.142	0.377	1.17	1.31	1.905	2.11
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	36	1.2	1.589	5.5	0.22	1.329	1.153	0.544	0.875	2.175	3.
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	64	0.319	0.348	1.04	0.148	0.022	0.148	0.2	0.263	0.411	0.54
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	21	210.	209.048	290.	150.	1139.048	33.75	162.	180.	235.	248.
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	20	125.	128.85	170.	97.	366.45	19.143	101.	120.	140.	159.
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	34	18.	21.765	65.	5.	210.246	14.5	9.	13.	24.	49.
01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-05/29/90	14 ##	5.	4.286	5.	2.	1.604	1.267	2.	3.5	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	20 ##	5.	4.263	5.	0.05	3.244	1.801	0.1	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	21 ##	5.	7.071	33.	1.	46.957	6.853	1.8	5.	5.	14.6
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	17	1200.	1315.882	2300.	520.	290625.735	539.097	616.	880.	1650.	2300.
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	17	5.	7.529	20.	1.	27.515	5.245	1.8	5.	12.5	14.4
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	17	150.	185.294	590.	39.	18608.596	136.413	54.2	105.	240.	406.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	20 ##	5.	7.	17.	2.	15.895	3.987	3.2	5.	10.75	13.
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	21	30.	35.238	130.	5.	724.89	26.924	7.8	23.	40.	70.8
01147	SELENIUM, TOTAL (UG/L AS SE)	07/19/71-05/29/90	11 ##	5.	3.318	5.	1.	3.914	1.978	1.	1.	5.	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	32	7000.	60687.5	540000.	270.13367	749574.194	115618.984	385.	1300.	77750.	237000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	32	3.845	3.897	5.732	2.431	1.01	1.005	2.579	3.114	4.859	5.375
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			7883.935								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	26	56.5	196.308	1600.	8.	149304.862	386.4	13.6	27.75	147.5	712.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	26	1.749	1.839	3.204	0.903	0.346	0.588	1.114	1.443	2.167	2.798
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			68.958								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	29	70.	826.552	7900.	10.	3108316.256	1763.042	10.	10.	595.	3300.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	29	1.845	2.035	3.898	1.	0.896	0.946	1.	1.	2.768	3.519
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			108.317								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/16/71-06/23/88	11	3.	2.955	5.	1.	2.423	1.557	1.	1.	5.	5.
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/26/62-11/25/74	21 ##	0.05	0.134	0.5	0.05	0.015	0.122	0.05	0.05	0.2	0.34
71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-10/28/86	14	0.2	0.207	0.4	0.05	0.02	0.141	0.05	0.05	0.325	0.4
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/29/87-08/30/94	12	2.2	2.292	4.	0.8	0.914	0.956	0.92	1.625	2.6	3.97

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	15	0.	0.033	0.5	0.	0.017	0.129	0.	0.	0.	0.2
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/15/58-12/09/75	14	32.	32.857	36.	32.	1.516	1.231	32.	32.	34.	35.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	05/15/58-06/04/68	6	15.	20.167	39.	10.	154.567	12.432	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	27	560.	564.815	790.	410.	11241.311	106.025	426.	480.	640.	720.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	10	2.	2.2	6.	0.	2.844	1.687	0.1	1.	3.	5.7
00300p	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	30	11.	9.03	14.8	0.2	21.186	4.603	0.85	5.575	12.65	13.77
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	30	5.5	5.387	16.	0.8	15.18	3.896	1.11	1.675	8.05	9.48
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	21	7.8	7.819	9.	7.2	0.137	0.37	7.28	7.6	8.	8.18
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	21	7.8	7.699	9.	7.2	0.152	0.39	7.28	7.6	8.	8.18
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	21	0.016	0.02	0.063	0.001	0.	0.016	0.007	0.01	0.025	0.056
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	10	8.1	8.03	8.2	7.8	0.016	0.125	7.81	7.9	8.1	8.19
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	10	8.1	8.013	8.2	7.8	0.016	0.126	7.81	7.9	8.1	8.19
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	10	0.008	0.01	0.016	0.006	0.	0.003	0.006	0.008	0.013	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	15	200.	198.667	260.	140.	698.095	26.421	158.	190.	210.	236.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	30	4.	8.668	97.	0.25	308.052	17.551	1.1	2.	8.	11.7
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/25/60-09/05/72	5	5.	5.6	7.	5.	0.8	0.894	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	24	0.935	1.032	2.4	0.15	0.199	0.446	0.585	0.765	1.348	1.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	30	1.055	1.225	3.6	0.27	0.688	0.83	0.347	0.71	1.325	2.6
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/23/76	11	0.03	0.041	0.15	0.01	0.002	0.039	0.012	0.02	0.05	0.13
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	15	0.81	1.063	2.4	0.52	0.322	0.567	0.562	0.62	1.4	2.16
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	11	1.76	1.821	3.5	1.09	0.407	0.638	1.11	1.52	1.98	3.2
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	13	1.3	1.652	4.9	0.41	1.71	1.308	0.418	0.765	2.	4.42
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	30	0.339	0.38	1.1	0.005	0.068	0.26	0.1	0.218	0.475	0.765
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	15	230.	236.	350.	170.	1825.714	42.728	176.	220.	250.	314.
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	13	150.	149.231	200.	92.	1088.359	32.99	94.4	135.	175.	200.
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	20	22.5	29.05	67.	13.	241.103	15.527	18.1	20.25	30.75	63.3
01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-05/29/90	9 ##	5.	4.167	5.	0.5	2.875	1.696	0.5	3.5	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	13 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	13 ##	5.	9.	33.	5.	66.167	8.134	5.	5.	11.	26.6
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	13	280.	771.538	5700.	140.	2270397.436	1506.784	144.	210.	500.	3900.
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	13 ##	5.	5.615	13.	5.	4.923	2.219	5.	5.	5.	9.8
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	13	120.	117.769	160.	14.	1501.692	38.752	39.2	110.	145.	160.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	13 ##	5.	7.231	11.	5.	8.692	2.948	5.	5.	11.	11.
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	13	24.	27.846	72.	14.	216.974	14.73	14.4	20.	31.	57.6
01147	SELENIUM, TOTAL (UG/L AS SE)	07/19/71-05/29/90	8 ##	1.5	1.5	2.5	0.5	0.5	0.707	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	17	7900.	42917.059	350000.	110.	8001044359.559	89448.557	206.	595.	34000.	174000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	17	3.898	3.761	5.544	2.041	1.031	1.015	2.298	2.768	4.503	5.2
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5767.762								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	8	355.	482.5	1100.	120.	136050.	368.85	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	8	2.55	2.564	3.041	2.079	0.125	0.353	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			366.643								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	18	175.	2905.556	28000.	10.	48793061.438	6985.203	10.	42.5	2550.	14500.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	18	2.228	2.369	4.447	1.	1.187	1.089	1.	1.599	3.401	4.147
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			234.147								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/16/71-06/23/88	6	7.5	7.5	10.	4.	6.3	2.51	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/26/62-11/25/74	10	0.335	0.313	0.52	0.05	0.022	0.148	0.056	0.2	0.433	0.512
71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-10/28/86	9	0.1	0.406	2.	0.05	0.4	0.632	0.05	0.05	0.55	2.
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/29/87-08/30/94	2	1.95	1.95	2.4	1.5	0.405	0.636	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	16	3.5	3.594	9.5	0.	6.574	2.564	0.	1.125	5.375	7.05
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/15/58-12/09/75	9	40.	40.889	50.	33.	34.111	5.84	33.	35.5	45.5	50.
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	05/15/58-06/04/68	4	27.	24.5	34.	10.	121.	11.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	22	535.	519.545	670.	330.	10680.736	103.348	354.	427.5	612.5	644.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	14	3.5	3.143	8.	1.	3.978	1.994	1.	1.	4.	6.5
00300p	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	25	12.1	11.28	15.6	0.5	9.143	3.024	7.6	10.3	13.	14.14

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	24	4.25	5.767	41.	1.4	60.148	7.756	1.75	2.475	5.925	7.95
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	11	7.7	7.827	8.3	7.6	0.054	0.233	7.6	7.6	8.	8.26
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	11	7.7	7.778	8.3	7.6	0.057	0.238	7.6	7.6	8.	8.26
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	11	0.02	0.017	0.025	0.005	0.	0.007	0.006	0.01	0.025	0.025
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	14	8.15	8.121	8.5	7.7	0.045	0.212	7.75	8.	8.3	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	14	8.147	8.071	8.5	7.7	0.048	0.218	7.75	8.	8.3	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	14	0.007	0.008	0.02	0.003	0.	0.005	0.004	0.005	0.01	0.018
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	7	160.	177.143	210.	160.	490.476	22.147	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	25	23.	43.28	280.	2.	3735.377	61.118	3.6	11.	47.5	130.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/25/60-09/05/72	4	10.	9.5	13.	5.	13.667	3.697	**	**	**	**
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	19	1.2	1.62	8.79	0.53	3.151	1.775	0.64	1.09	1.58	1.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	25	0.46	0.552	1.7	0.03	0.178	0.422	0.08	0.245	0.725	1.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/23/76	4	0.04	0.048	0.09	0.02	0.001	0.031	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	7	1.2	1.477	2.8	0.13	1.225	1.107	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	14	1.615	2.173	9.21	0.87	4.307	2.075	0.965	1.27	2.135	5.73
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	15	2.5	2.996	7.8	0.74	3.653	1.911	0.896	1.7	3.8	6.78
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	23	0.33	0.42	2.52	0.153	0.228	0.478	0.162	0.21	0.412	0.634
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	7	250.	257.143	340.	180.	3123.81	55.891	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	6	145.	153.333	190.	120.	906.667	30.111	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	11	19.	20.091	48.	3.	138.491	11.768	4.4	12.	25.	43.6
01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-05/29/90	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	6 ##	5.	7.167	18.	5.	28.167	5.307	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	6 ##	5.	5.833	10.	5.	4.167	2.041	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	6	580.	891.667	2600.	180.	867136.667	931.202	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	6	120.	133.167	180.	99.	1400.167	37.419	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	6 ##	5.	6.167	12.	5.	8.167	2.858	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	6	21.	20.333	25.	14.	21.067	4.59	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/19/71-05/29/90	4 ##	3.25	3.125	5.	1.	4.729	2.175	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	10	8550.	16153.	79000.	230.	547774312.222	23404.579	317.	1925.	21250.	73300.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	10	3.931	3.801	4.898	2.362	0.533	0.73	2.43	3.267	4.327	4.842
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			6317.644								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	12	23.5	34.292	160.	4.5	1764.748	42.009	5.55	9.	39.	126.4
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	12	1.366	1.333	2.204	0.653	0.18	0.425	0.728	0.954	1.591	2.047
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			21.55								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	10	410.	734.	2300.	10.	757115.556	870.124	11.	42.5	1375.	2290.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	10	2.604	2.395	3.362	1.	0.694	0.833	1.03	1.599	3.117	3.36
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			248.055								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/16/71-06/23/88	2	7.5	7.5	9.	6.	4.5	2.121	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/26/62-11/25/74	6	0.255	0.247	0.42	0.05	0.024	0.155	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-10/28/86	3	0.2	0.267	0.5	0.1	0.043	0.208	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/29/87-08/30/94	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/76-09/15/94	50	22.5	20.97	28.	8.	20.555	4.534	15.	18.	23.5	26.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	05/15/58-12/09/75	36	70.5	69.056	90.	43.	89.711	9.472	54.	64.25	75.75	78.3
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	05/15/58-06/04/68	21	30.	43.476	200.	16.	1616.562	40.206	17.6	21.5	47.5	85.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/67-09/15/94	68	535.	509.559	670.	270.	11069.952	105.214	359.	412.5	597.5	640.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	05/18/83-09/15/94	42	3.5	3.869	11.5	1.	4.342	2.084	1.3	2.375	5.	7.
00300p	OXYGEN, DISSOLVED MG/L	05/15/58-09/15/94	88	7.35	7.665	14.6	3.5	4.244	2.06	5.4	6.2	8.95	10.53
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/15/58-09/15/94	80	4.25	5.044	14.4	0.7	8.918	2.986	2.3	3.025	6.275	9.68
00400	PH (STANDARD UNITS)	05/15/58-03/16/77	45	7.9	7.86	8.5	7.1	0.09	0.3	7.46	7.65	8.1	8.24
00400	CONVERTED PH (STANDARD UNITS)	05/15/58-03/16/77	45	7.9	7.756	8.5	7.1	0.101	0.318	7.46	7.65	8.1	8.24

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

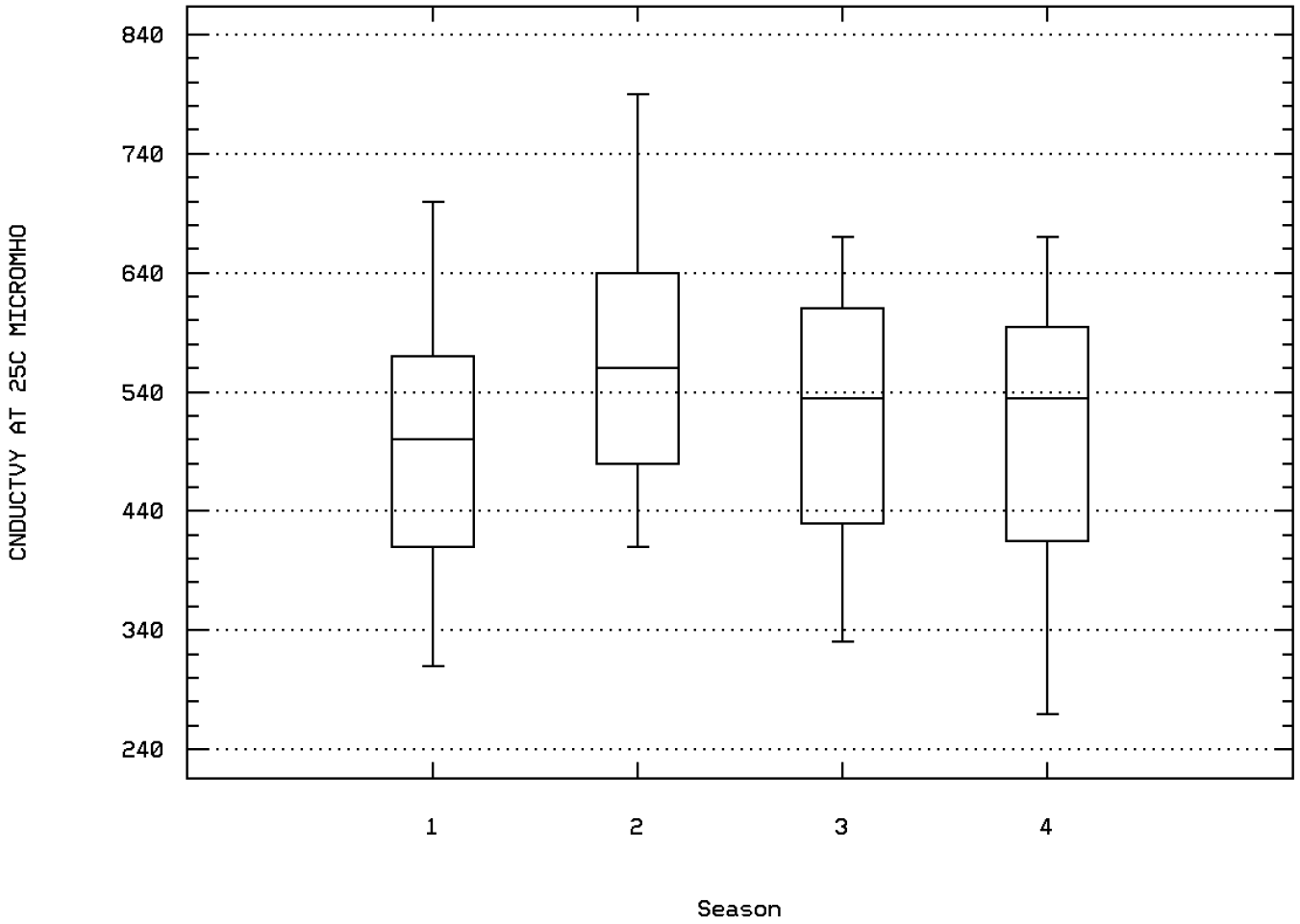
Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0441

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/58-03/16/77	45	0.013	0.018	0.079	0.003	0.	0.014	0.006	0.008	0.023	0.035
00403	PH, LAB, STANDARD UNITS SU	11/03/83-09/15/94	43	8.2	8.256	8.9	7.6	0.063	0.252	8.	8.1	8.4	8.6
00403	CONVERTED PH, LAB, STANDARD UNITS	11/03/83-09/15/94	43	8.2	8.185	8.9	7.6	0.069	0.262	8.	8.1	8.4	8.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/83-09/15/94	43	0.006	0.007	0.025	0.001	0.	0.004	0.003	0.004	0.008	0.01
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/67-01/05/77	24	160.	168.333	220.	100.	692.754	26.32	135.	160.	190.	200.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/60-09/15/94	82	47.	53.512	140.	3.	719.512	26.824	25.2	33.75	64.75	92.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/25/60-09/05/72	16	14.5	17.	52.	8.	109.467	10.463	8.7	11.25	19.5	33.8
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/67-09/15/94	62	1.515	1.539	2.8	0.15	0.159	0.399	1.18	1.25	1.79	2.094
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/25/60-09/15/94	82	0.2	0.259	1.2	0.01	0.05	0.223	0.05	0.1	0.325	0.544
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/67-07/23/76	18	0.065	0.1	0.48	0.01	0.013	0.113	0.019	0.04	0.125	0.255
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/58-07/23/76	30	1.	1.534	6.1	0.01	1.935	1.391	0.052	0.528	2.45	3.39
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/15/58-09/15/94	48	1.695	1.712	2.7	1.06	0.178	0.422	1.234	1.38	1.97	2.4
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/76-09/15/94	44	2.65	2.984	8.1	0.28	4.715	2.171	0.52	0.962	4.4	6.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	05/15/58-09/15/94	83	0.289	0.31	0.968	0.018	0.017	0.132	0.181	0.24	0.36	0.477
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/67-10/31/91	26	225.	230.	340.	150.	2248.	47.413	177.	200.	250.	323.
00910	CALCIUM (MG/L AS CACO3)	07/19/71-10/31/91	23	140.	143.478	200.	110.	760.079	27.57	110.	120.	160.	200.
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/60-03/16/77	39	15.	15.59	39.	4.	68.827	8.296	7.	10.	19.	30.
01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/71-05/29/90	20 ##	5.	4.7	7.	2.	0.958	0.979	3.1	4.25	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/71-10/31/91	25 ##	5.	5.752	38.	0.1	47.59	6.899	0.38	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	07/19/71-10/31/91	26 ##	5.	11.288	110.	1.5	454.603	21.321	2.7	5.	7.	23.4
01045	IRON, TOTAL (UG/L AS FE)	09/16/71-10/31/91	21	1800.	1880.476	6000.	300.	2006474.762	1416.501	480.	875.	2100.	4360.
01051	LEAD, TOTAL (UG/L AS PB)	08/01/72-10/31/91	23 ##	5.	7.522	32.	1.	68.261	8.262	2.	5.	5.	25.6
01055	MANGANESE, TOTAL (UG/L AS MN)	09/16/71-10/31/91	21	150.	177.143	400.	56.	9273.129	96.297	68.	110.	240.	346.
01067	NICKEL, TOTAL (UG/L AS NI)	07/19/71-10/28/86	22 ##	5.	7.364	24.	5.	21.861	4.676	5.	5.	11.	12.7
01092	ZINC, TOTAL (UG/L AS ZN)	07/19/71-10/31/91	24	23.5	25.5	83.	5.	298.348	17.273	5.5	14.25	33.	49.
01147	SELENIUM, TOTAL (UG/L AS SE)	07/19/71-05/29/90	16 ##	1.	2.031	5.	0.5	3.216	1.793	0.85	1.	4.25	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/15/58-07/23/76	43	5400.	245245.116	9200000.	40.	**********	1400023.938	358.	1300.	23000.	202000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/15/58-07/23/76	43	3.732	3.768	6.964	1.602	1.047	1.023	2.552	3.114	4.362	5.299
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			5857.701								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	04/30/85-09/15/94	36	44.	89.736	1100.	2.	33596.793	183.294	2.	4.125	127.5	166.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	04/30/85-09/15/94	36	1.643	1.46	3.041	0.301	0.532	0.73	0.301	0.615	2.105	2.219
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			28.831								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	37	230.	2547.297	33000.	10.	36325775.826	6027.087	10.	50.	2000.	8520.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/06/64-09/28/84	37	2.362	2.482	4.519	1.	0.99	0.995	1.	1.699	3.296	3.926
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			303.271								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/16/71-06/23/88	10	5.	7.2	29.	1.	69.067	8.311	1.	2.5	8.25	27.3
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/26/62-11/25/74	24 ##	0.05	0.126	0.44	0.05	0.013	0.114	0.05	0.05	0.203	0.33
71900	MERCURY, TOTAL (UG/L AS HG)	07/19/71-10/28/86	17	0.2	0.297	1.2	0.05	0.086	0.293	0.05	0.05	0.45	0.72
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/29/87-08/30/94	10	1.4	1.95	4.5	0.6	2.225	1.492	0.6	0.6	3.525	4.47

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0441 Parameter Code: 00095

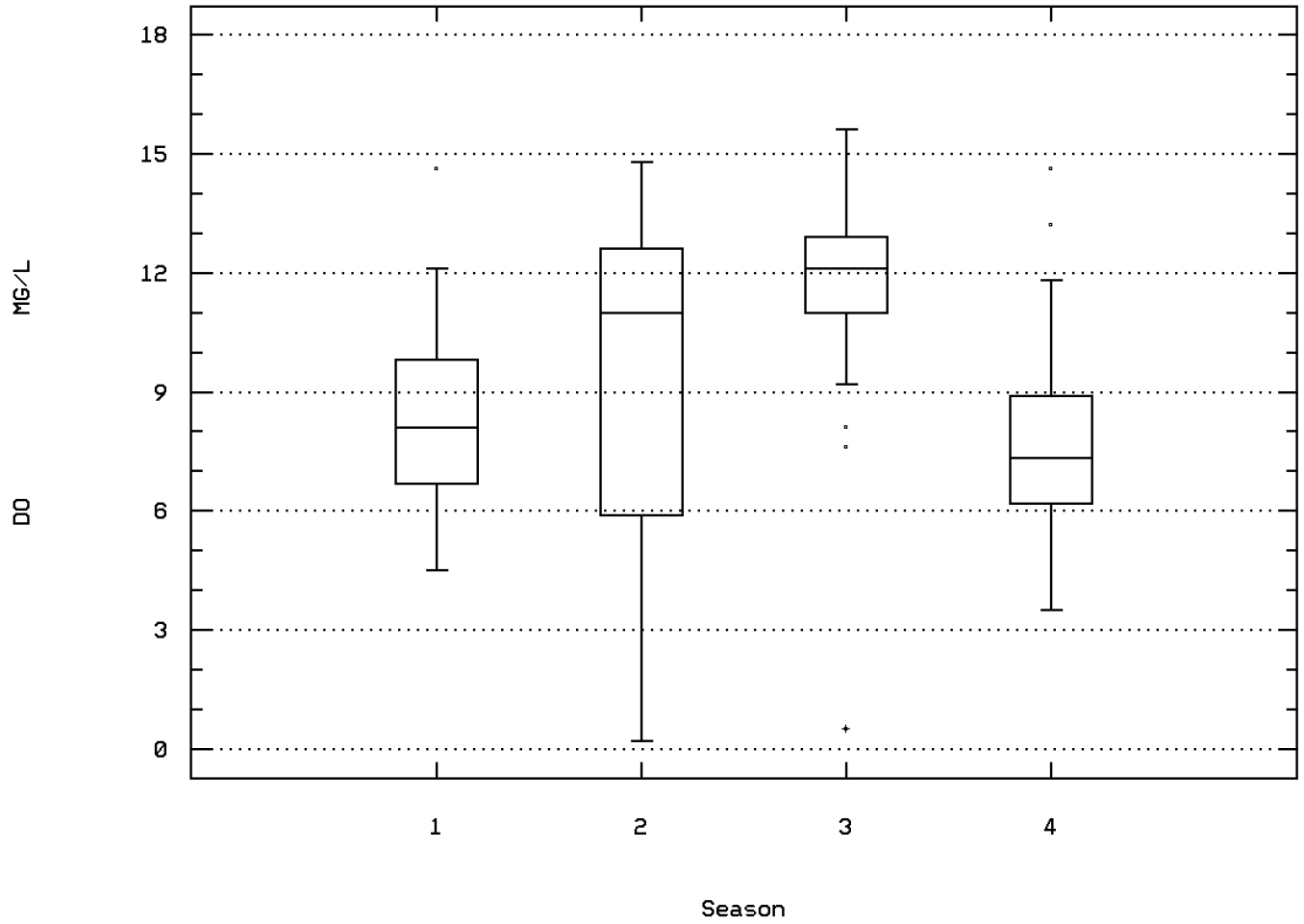
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00300

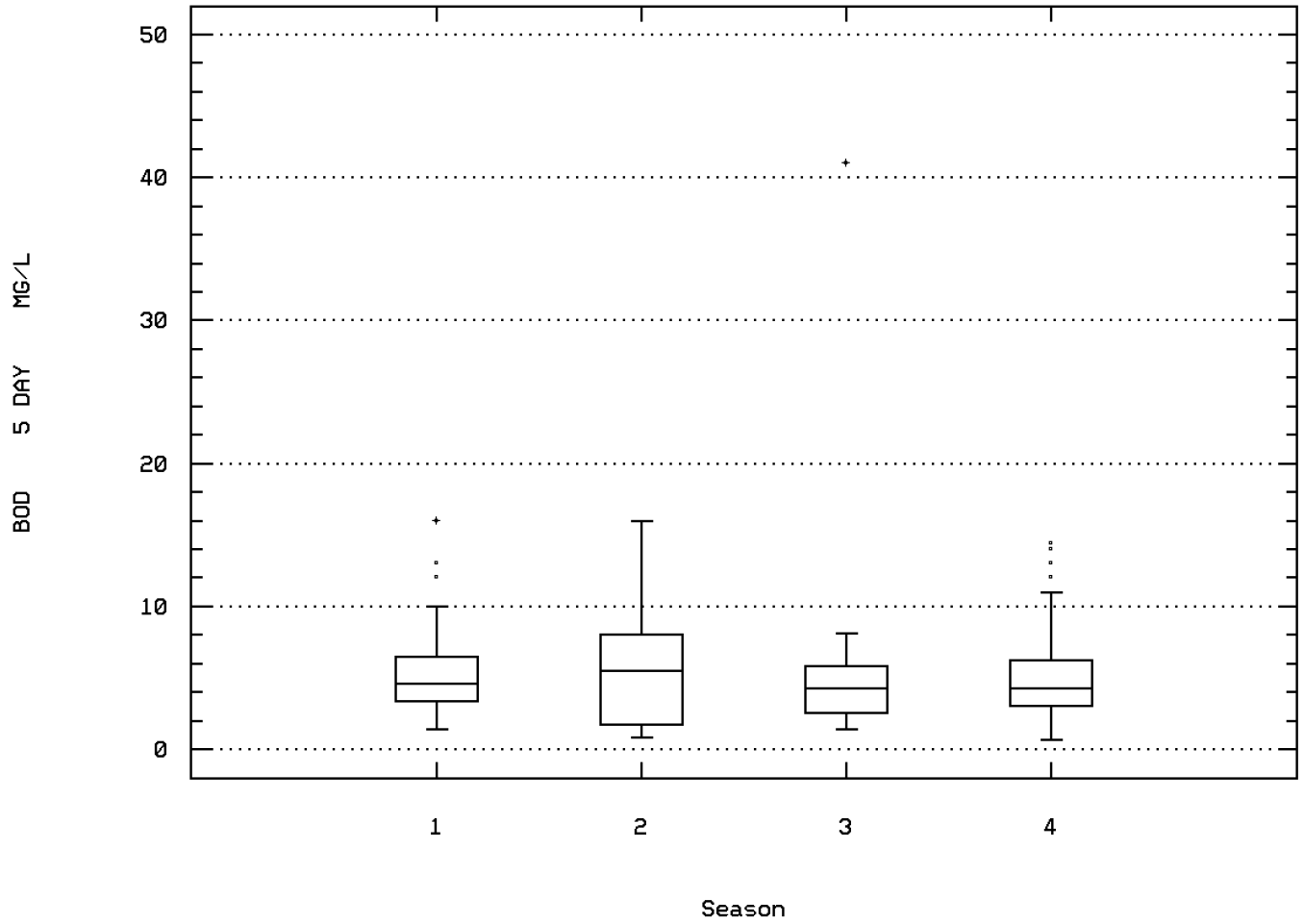
OXYGEN, DISSOLVED



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00310

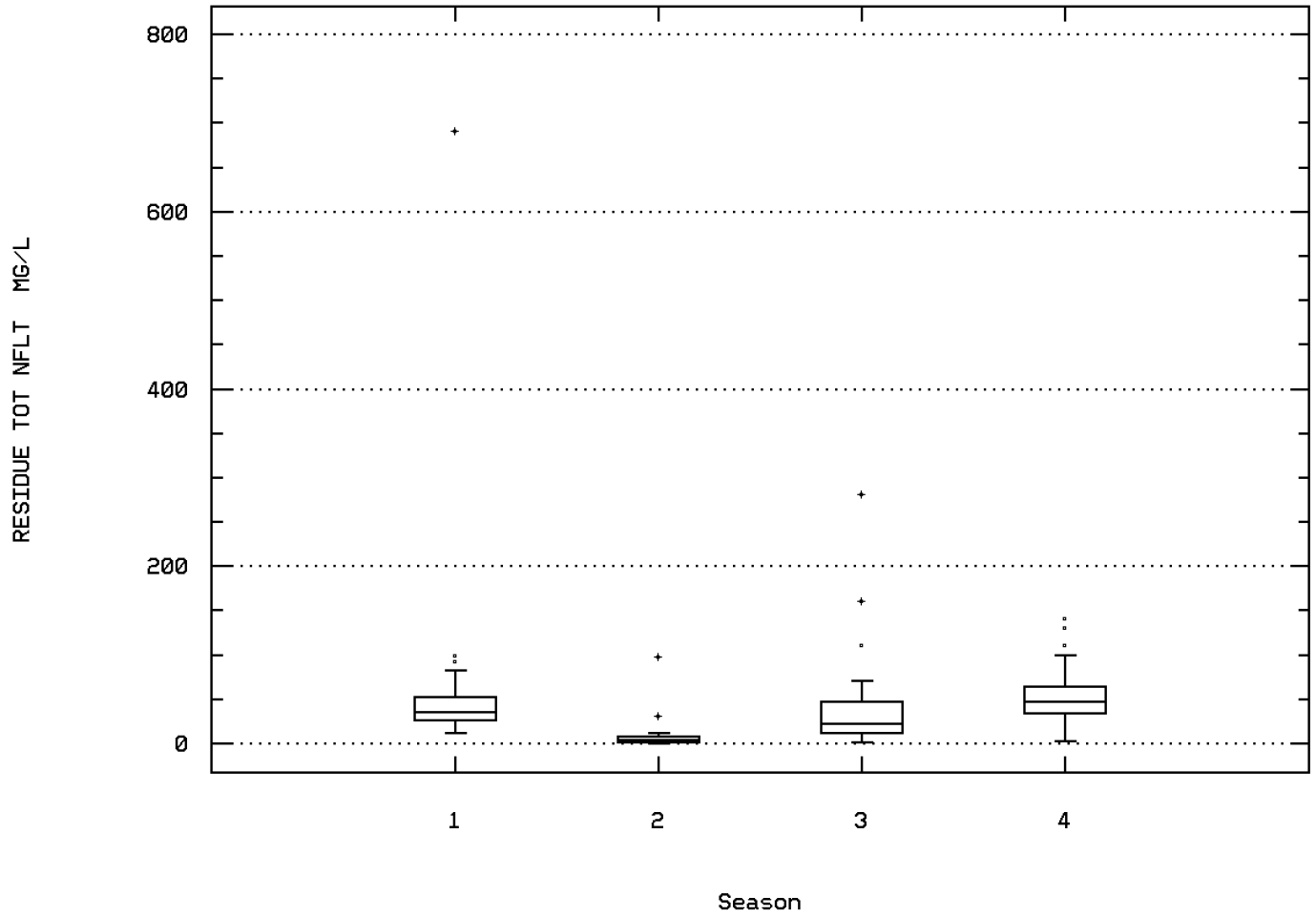
BOD, 5 DAY, 20 DEG C



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00530

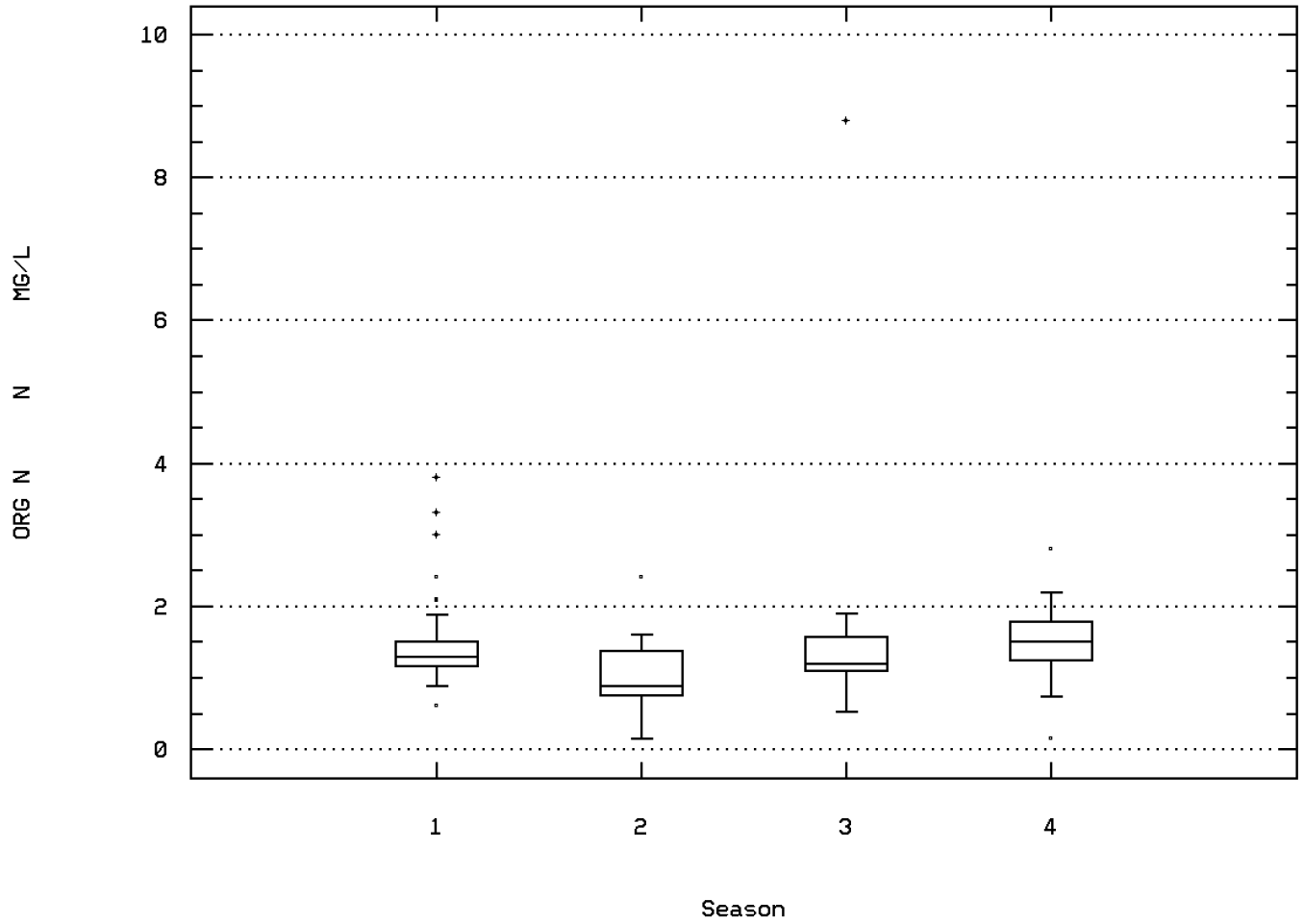
RESIDUE, TOTAL NONFILTRABLE (MG/L)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00605

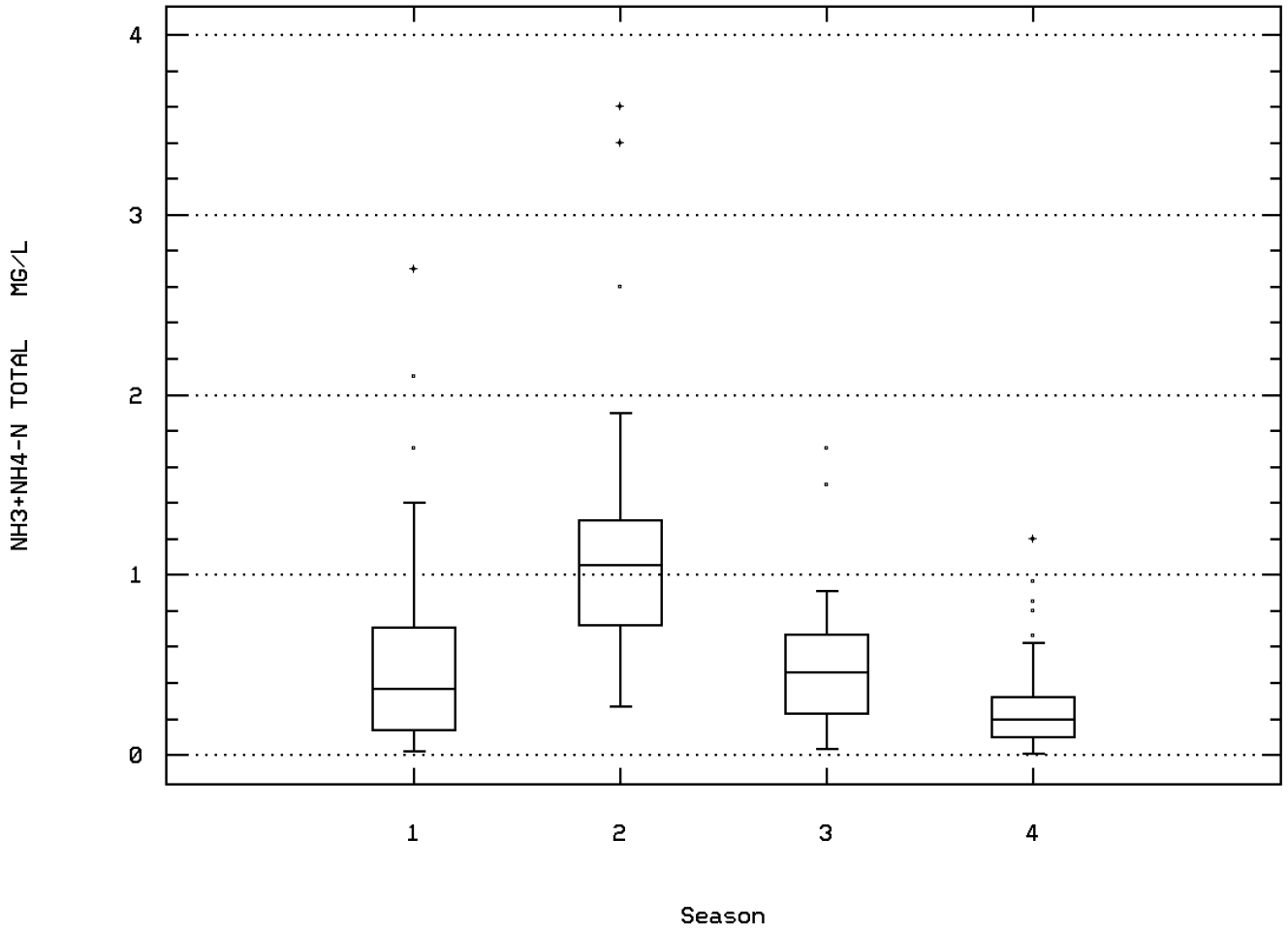
NITROGEN, ORGANIC, TOTAL (MG/L AS N)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00610

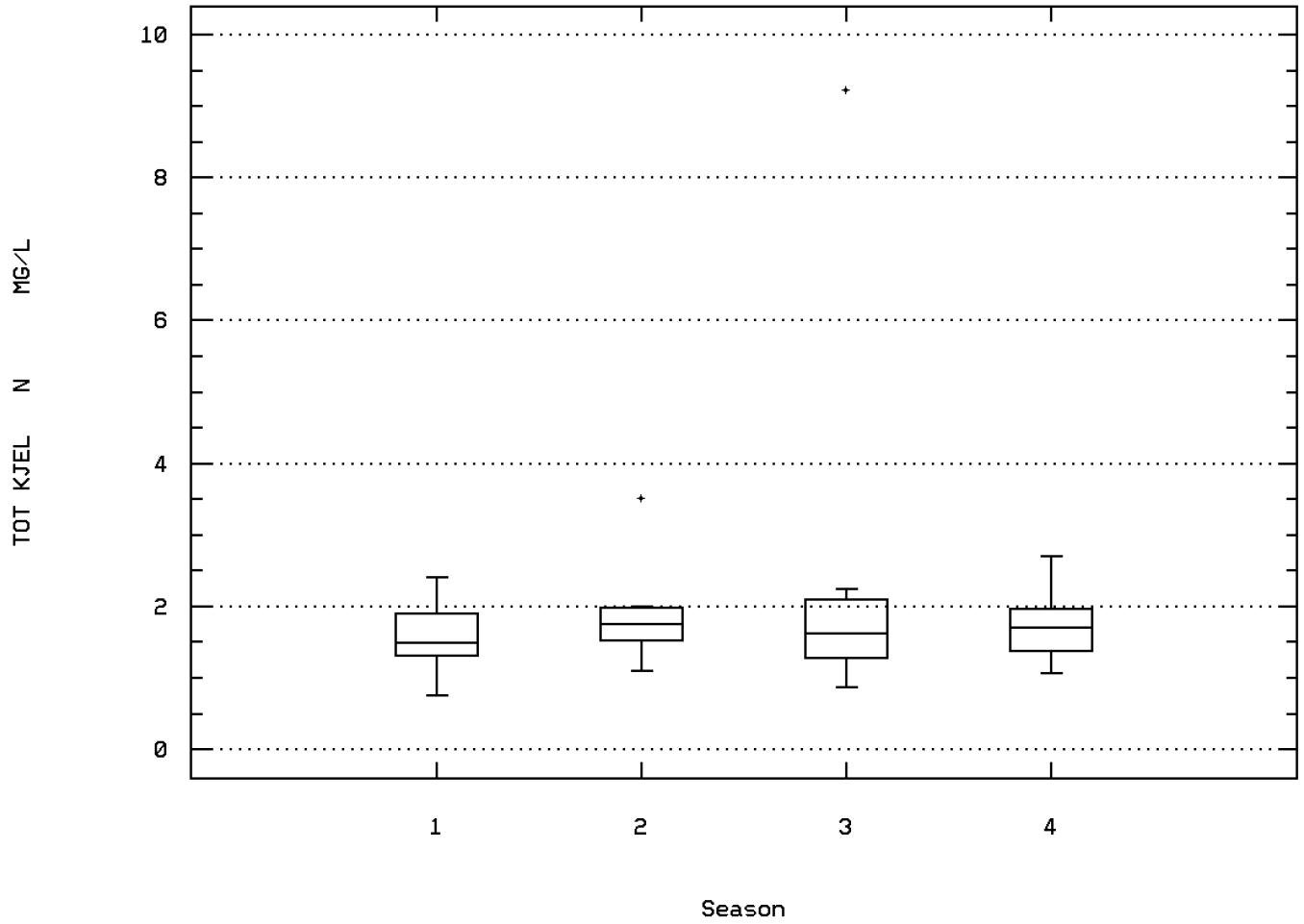
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00625

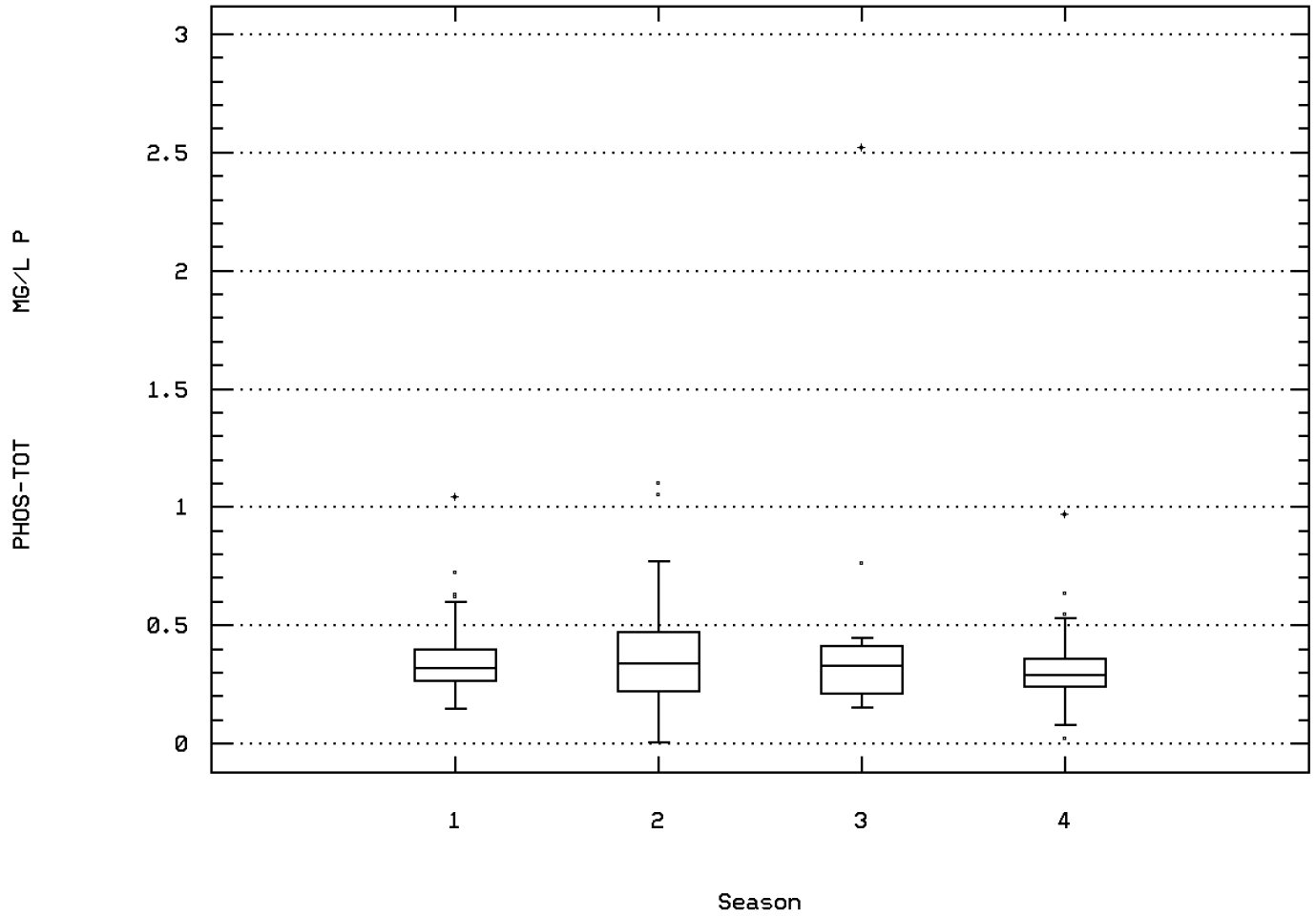
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station: SACN0441 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)



MISSISSIPPI RIVER AT LOCK AND DAM #2 AT

Station Inventory for Station: SACN0442

NPS Station ID: SACN0442
LAT/LON: 44.760281/ -92.867226
Agency: 1115T030
Date Created: / /
Location: UM 815.20
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 260081
RMI-Indexes: 1021500
Within Park Boundary: No
RMI-Miles: 1769.00
HUC: 07010206
Depth of Water: 999
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: MISSISSIPPI RIVER
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 3.810
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206000123.71
RF3 Mile Point: 24.91
Distance from RF3: 0.06
On/Off RF3:
Description:
UPPER MISSISSIPPI RIVER AT HASTINGS LOCK AND DAM. PURPOSE-SAMPLED IN SUPPORT OF TWIN CITY UPPER MISSISSIPPI ENFORCEMENT AND RIVER MODELING VERIFICATION TYPE OF SAMPLING-GRAB
FREQUENCY OF SAMPLING-INFREQUENT

Parameter Inventory for Station: SACN0442

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/27/65-09/30/65	37	0.	7.508	23.1	0.	79.667	8.926	0.	0.	17.95	22.18
00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/24/65-09/25/65	8	38.	37.75	48.	28.	75.071	8.664	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/27/65-09/30/65	38	2.25	3.732	9.4	1.5	6.264	2.503	1.7	1.8	4.875	8.5
00303	BOD, 1DAY, 20 DEG C MG/L	01/27/65-01/28/65	2	4.45	4.45	4.8	4.1	0.245	0.495	**	**	**	**
00304	BOD, 2 DAY, 20 DEG C MG/L	08/24/65-09/30/65	16	1.95	2.05	3.4	1.2	0.237	0.487	1.48	1.8	2.3	2.77
00305	BOD, 3 DAY, 20 DEG C MG/L	01/27/65-01/27/65	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/27/65-09/30/65	20	4.15	5.305	12.1	2.7	9.366	3.06	2.81	3.125	8.325	10.51
00315	BOD, 7 DAY, 20 DEG C MG/L	01/27/65-01/28/65	2	10.95	10.95	11.6	10.3	0.845	0.919	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/02/65-02/05/65	2	24.5	24.5	30.	19.	60.5	7.778	**	**	**	**
00400	PH (STANDARD UNITS)	01/27/65-09/25/65	11	8.	7.955	8.2	7.8	0.021	0.144	7.8	7.8	8.1	8.18
00400	CONVERTED PH (STANDARD UNITS)	01/27/65-09/25/65	11	8.	7.934	8.2	7.8	0.021	0.146	7.8	7.8	8.1	8.18
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/65-09/25/65	11	0.01	0.012	0.016	0.006	0.	0.004	0.007	0.008	0.016	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/27/65-02/05/65	6	223.	224.833	235.	216.	67.367	8.208	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	02/02/65-02/05/65	2	306.5	306.5	313.	300.	84.5	9.192	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/02/65-02/05/65	2	95.	95.	97.	93.	8.	2.828	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/27/65-09/30/65	22	41.	32.182	57.	0.	399.775	19.994	0.	7.25	46.25	52.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/27/65-09/30/65	22	13.	12.273	33.	0.	81.827	9.046	0.	2.5	18.25	22.7
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/02/65-09/25/65	10	0.62	0.747	1.64	0.	0.309	0.556	0.026	0.328	1.258	1.631
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/02/65-09/30/65	19	0.43	0.491	2.	0.	0.182	0.426	0.	0.36	0.5	0.91
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/02/65-09/26/65	10	0.69	0.656	0.93	0.4	0.047	0.216	0.4	0.4	0.873	0.928
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/02/65-09/26/65	11	1.18	1.227	2.1	0.71	0.181	0.425	0.73	0.88	1.6	2.012
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/05/65-09/26/65	10	0.675	0.679	1.06	0.29	0.04	0.2	0.315	0.585	0.78	1.038
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/27/65-09/30/65	23	49000.	131282.609	490000.	17000.	23230693320.158	152416.185	17200.	24000.	172000.	426000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/27/65-09/30/65	23	4.69	4.85	5.69	4.23	0.241	0.491	4.236	4.38	5.236	5.622
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			70868.505								
31617	FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 31618)	01/27/65-09/30/65	23	13000.	41100.	172000.	1700.	2910005454.545	53944.466	2000.	4900.	79000.	130000.
31617	LOG FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 316	01/27/65-09/30/65	23	4.114	4.189	5.236	3.23	0.429	0.655	3.301	3.69	4.898	5.114
31617	GM FECAL COLIFORM,MPN,EIJKMAN TEST,44.5C(TUBE 3161	GEOMETRIC MEAN =			15459.336								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/27/65-01/28/65	4	1195.	1502.5	2700.	920.	682158.333	825.929	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/27/65-01/28/65	4	3.071	3.134	3.431	2.964	0.046	0.213	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1362.162								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0442

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	02/05/65-02/05/65	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0442

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	8	0	0.00	8	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	38	25	0.66	17	4	0.24	21	21	1.00						
00400	PH	Other-Hi Lim.	9.	11	0	0.00	5	0	0.00	6	0	0.00						
		Other-Lo Lim.	6.5	11	0	0.00	5	0	0.00	6	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	9	0	0.00	1	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	23	23	1.00	17	17	1.00	6	6	1.00						
31617	FECAL COLIFORM, MPN, EIJKMAN TEST, 44.5C	Other-Hi Lim.	200.	23	23	1.00	17	17	1.00	6	6	1.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0443

NPS Station ID: SACN0443
LAT/LON: 44.760281/ -92.867226
Agency: 112WRD
Date Created: 12/29/77
Location: MISSISSIPPI RIVER AT L&D #2 AT HASTINGS, MN
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05331578
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 3.810
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206000101.12
RF3 Mile Point: 2.60
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0443

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/24/77-09/03/81	42	13.	12.476	25.	0.	77.365	8.796	0.5	3.	21.25	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/24/77-10/26/79	30	18.75	14.183	29.	-15.	117.008	10.817	3.1	9.875	24.25	28.8
00060	FLOW, STREAM, MEAN DAILY CFS	02/24/77-09/03/81	41	10200.	14480.	76000.	2270.	192908480.	13889.15	3812.	5900.	19850.	34240.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/13/77-11/01/77	2	4351.	4351.	8700.	2.	37827602.	6150.415	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/24/77-08/31/79	30	35.	41.433	85.	10.	319.495	17.874	23.2	28.75	55.	69.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/24/77-09/03/81	42	512.5	511.952	850.	355.	10344.534	101.708	384.4	434.75	563.75	627.
00300	OXYGEN, DISSOLVED MG/L	02/24/77-09/03/81	41	9.9	9.651	17.4	4.4	6.811	2.61	6.44	7.4	11.3	12.48
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/24/77-09/03/81	41	90.	90.61	133.	33.	394.994	19.874	72.	81.	100.5	121.2
00400	PH (STANDARD UNITS)	02/24/77-09/03/81	42	7.9	7.893	8.4	7.1	0.072	0.269	7.5	7.7	8.1	8.27
00400	CONVERTED PH (STANDARD UNITS)	02/24/77-09/03/81	42	7.9	7.801	8.4	7.1	0.081	0.285	7.5	7.7	8.1	8.27
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/24/77-09/03/81	42	0.013	0.016	0.079	0.004	0.	0.013	0.005	0.008	0.02	0.032
00405	CARBON DIOXIDE (MG/L AS CO2)	02/24/77-08/31/79	30	4.	5.897	23.	1.2	24.013	4.9	2.05	2.975	7.775	14.46
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/24/77-08/31/79	30	165.	173.333	237.	110.	812.575	28.506	141.	160.	192.5	210.
00440	BICARBONATE ION (MG/L AS HCO3)	02/24/77-08/31/79	30	205.	212.033	289.	140.	1184.861	34.422	171.	190.	232.5	260.
00445	CARBONATE ION (MG/L AS CO3)	02/24/77-08/31/79	30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/24/77-09/03/81	25	0.005	0.005	0.01	0.	0.	0.005	0.	0.	0.01	0.01
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/24/77-08/31/79	30	230.	230.	310.	170.	1117.241	33.425	180.	207.5	250.	269.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/24/77-08/31/79	30	56.5	56.633	110.	18.	660.861	25.707	19.	35.75	72.	94.7
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/24/77-08/31/79	30	59.	57.933	78.	45.	61.306	7.83	46.1	51.	63.	66.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/24/77-08/31/79	30	21.	20.867	28.	14.	11.982	3.461	15.1	18.75	23.	25.9
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/24/77-08/31/79	30	15.	20.217	67.	6.7	162.563	12.75	10.1	12.	27.25	34.9
00931	SODIUM ADSORPTION RATIO	02/24/77-08/31/79	30	0.5	0.583	1.8	0.2	0.119	0.344	0.3	0.3	0.725	1.
00932	SODIUM, PERCENT	02/24/77-08/31/79	30	14.	15.067	36.	7.	46.616	6.828	9.	9.75	18.25	25.9
00933	SODIUM,PLUS POTASSIUM (MG/L)	04/27/79-08/31/79	5	16.	14.8	18.	11.	9.7	3.114	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/24/77-08/31/79	30	3.5	3.707	5.4	0.9	0.81	0.9	2.82	3.1	4.325	4.99
00940	CHLORIDE,TOTAL IN WATER MG/L	02/24/77-08/31/79	30	19.5	25.567	93.	11.	290.944	17.057	13.1	15.75	29.	46.4
00945	SULFATE, TOTAL (MG/L AS SO4)	02/24/77-08/31/79	30	52.5	57.867	110.	30.	434.326	20.84	33.1	42.75	68.25	93.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/24/77-09/03/81	34	0.2	0.225	0.7	0.05	0.014	0.118	0.1	0.2	0.2	0.35
00951	FLUORIDE, TOTAL (MG/L AS F)	02/24/77-09/03/81	25	0.2	0.308	0.9	0.	0.053	0.231	0.1	0.2	0.55	0.64
01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/24/77-09/03/81	18	2.	2.028	5.	0.5	1.308	1.144	0.95	1.	2.25	4.1
01001	ARSENIC, SUSPENDED (UG/L AS AS)	02/24/77-09/03/81	11	1.	0.864	2.	0.	0.255	0.505	0.1	0.5	1.	1.8
01002	ARSENIC, TOTAL (UG/L AS AS)	02/24/77-09/03/81	25	2.	2.4	5.	1.	1.417	1.19	1.	2.	3.	4.4
01005	BARIUM, DISSOLVED (UG/L AS BA)	02/24/77-09/03/81	18 ##	50.	62.222	200.	50.	1335.948	36.551	50.	50.	50.	110.
01006	BARIUM, SUSPENDED (UG/L AS BA)	02/24/77-09/03/81	17	0.	31.176	300.	0.	5898.529	76.802	0.	0.	15.	140.
01007	BARIUM, TOTAL (UG/L AS BA)	02/24/77-09/03/81	25 ##	50.	80.	300.	0.	3541.667	59.512	50.	50.	100.	140.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/18/80-09/03/81	2 ##	2.5	2.5	5.	0.	12.5	3.536	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/26/79-09/03/81	9	0.	3.889	20.	0.	48.611	6.972	0.	0.	7.5	20.
01020	BORON, DISSOLVED (UG/L AS B)	02/24/77-09/03/81	17	90.	99.412	180.	50.	1518.382	38.966	50.	75.	125.	180.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0443

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01021	BORON, SUSPENDED (UG/L AS B)	02/24/77-09/03/81	16	10.	78.125	930.	0.	52629.583	229.411	0.	2.5	27.5	356.
01022	BORON, TOTAL (UG/L AS B)	02/24/77-09/03/81	24	90.	149.167	1000.	40.	36164.493	190.17	60.	80.	140.	245.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/24/77-09/03/81	18	2.	2.806	13.	0.	12.269	3.503	0.	0.375	3.25	10.3
01026	CADMIUM, SUSPENDED (UG/L AS CD)	02/24/77-08/31/79	16	4.	3.563	10.	0.	13.996	3.741	0.	0.	5.	10.
01027	CADMIUM, TOTAL (UG/L AS CD)	02/24/77-09/03/81	25	3.	5.26	13.	0.	23.148	4.811	0.	1.	10.	12.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/24/77-09/03/81	18 ##	0.5	3.556	15.	0.	22.85	4.78	0.	0.	7.	10.5
01031	CHROMIUM, SUSPEND (UG/L AS CR)	02/24/77-09/03/81	16	6.5	8.188	30.	0.	76.263	8.733	0.	0.25	10.	23.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/18/80-09/03/81	2 ##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/24/77-09/03/81	24 ##	10.	12.125	30.	0.	52.81	7.267	2.	10.	15.75	25.
01035	COBALT, DISSOLVED (UG/L AS CO)	02/24/77-08/31/79	16 ##	0.	0.438	2.	0.	0.396	0.629	0.	0.	1.	1.3
01036	COBALT, SUSPENDED (UG/L AS CO)	02/24/77-08/31/79	16	1.5	11.281	50.	0.	235.332	15.341	0.	0.	24.875	32.5
01037	COBALT, TOTAL (UG/L AS CO)	02/24/77-08/31/79	16 ##	2.	19.438	50.	0.	598.929	24.473	0.	0.25	50.	50.
01040	COPPER, DISSOLVED (UG/L AS CU)	02/24/77-09/03/81	18	3.	4.556	18.	0.	20.614	4.54	0.	2.	6.25	11.7
01041	COPPER, SUSPENDED (UG/L AS CU)	02/24/77-09/03/81	17	4.5	6.265	33.	0.	57.066	7.554	0.8	2.	8.5	14.6
01042	COPPER, TOTAL (UG/L AS CU)	02/24/77-09/03/81	25	7.	9.36	40.	0.	65.907	8.118	3.6	5.	10.	21.2
01044	IRON, SUSPENDED (UG/L AS FE)	06/05/78-09/03/81	8	1150.	1080.	2000.	320.	310742.857	557.443	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/24/77-09/03/81	25	690.	835.2	2200.	290.	303442.667	550.856	306.	375.	1200.	1800.
01046	IRON, DISSOLVED (UG/L AS FE)	02/24/77-09/03/81	18	75.	91.667	210.	30.	2885.294	53.715	30.	50.	132.5	183.
01049	LEAD, DISSOLVED (UG/L AS PB)	02/24/77-09/03/81	18	3.5	15.25	72.	0.	465.537	21.576	0.45	1.	21.75	59.4
01050	LEAD, SUSPENDED (UG/L AS PB)	02/24/77-08/31/79	16	29.75	33.375	96.	0.	995.55	31.552	0.	5.25	49.	86.2
01051	LEAD, TOTAL (UG/L AS PB)	02/24/77-09/03/81	25	29.	43.88	100.	0.	1709.277	41.343	3.	5.	91.5	100.
01054	MANGANESE, SUSPENDED (UG/L AS MN)	02/24/77-09/03/81	16	115.	105.	190.	0.	2333.333	48.305	21.	72.5	137.5	162.
01055	MANGANESE, TOTAL (UG/L AS MN)	02/24/77-09/03/81	24	160.	172.5	600.	90.	9671.739	98.345	105.	132.5	170.	240.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/24/77-09/03/81	18	40.	50.167	230.	5.	2816.971	53.075	7.7	20.	52.5	122.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/24/77-09/03/81	25	2.	2.18	7.	0.	2.956	1.719	0.5	1.	2.5	5.4
01065	NICKEL, DISSOLVED (UG/L AS NI)	02/24/77-09/18/80	17	7.	7.412	16.	0.	18.132	4.258	1.6	4.5	10.	14.4
01066	NICKEL, SUSPENDED (UG/L AS NI)	02/24/77-08/31/79	16	17.5	14.969	42.	0.	106.249	10.308	2.8	5.25	20.	27.65
01067	NICKEL, TOTAL (UG/L AS NI)	02/24/77-09/03/81	25	13.	15.2	27.	2.	74.417	8.627	6.	7.5	25.	25.8
01075	SILVER, DISSOLVED (UG/L AS AG)	02/24/77-09/03/81	18 ##	0.	0.028	0.5	0.	0.014	0.118	0.	0.	0.	0.05
01076	SILVER, SUSPENDED (UG/L AS AG)	02/24/77-08/31/79	15	1.	2.267	10.	0.	9.21	3.035	0.	0.	5.	7.
01077	SILVER, TOTAL (UG/L AS AG)	02/24/77-09/03/81	24 ##	0.	2.313	10.	0.	16.474	4.059	0.	0.	1.75	10.
01090	ZINC, DISSOLVED (UG/L AS ZN)	02/24/77-09/03/81	18 ##	10.	10.833	30.	0.	94.853	9.739	0.	0.	20.	30.
01091	ZINC, SUSPENDED (UG/L ZN)	02/24/77-08/31/79	15	10.	15.333	60.	0.	269.524	16.417	0.	10.	20.	48.
01092	ZINC, TOTAL (UG/L AS ZN)	02/24/77-09/03/81	24	20.	25.417	60.	10.	199.819	14.136	10.	20.	30.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/24/77-08/31/79	16	200.	268.125	590.	50.	31749.583	178.184	57.	162.5	470.	562.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	02/24/77-08/31/79	16	20.	19.375	50.	10.	112.917	10.626	10.	10.	20.	36.
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	02/24/77-08/31/79	16	190.	251.875	570.	40.	29922.917	172.982	40.	142.5	442.5	535.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/24/77-09/03/81	18 ##	0.5	0.75	2.	0.	0.184	0.429	0.45	0.5	1.	1.1
01146	SELENIUM, SUSPENDED (UG/L AS SE)	02/24/77-08/31/79	16	0.	0.25	2.	0.	0.333	0.577	0.	0.	0.	1.3
01147	SELENIUM, TOTAL (UG/L AS SE)	02/24/77-09/03/81	25	1.	0.78	2.	0.	0.377	0.614	0.	0.25	1.	2.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	02/24/77-08/31/79	30	3.	2.967	10.	0.	6.861	2.619	0.	0.	5.	6.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/24/77-08/31/79	29	347.	336.897	471.	247.	2954.382	54.354	261.	283.5	367.	390.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/24/77-08/31/79	29	7710.	14285.172	57500.	2980.	179711683.005	13405.659	3600.	4685.	20700.	38400.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/24/77-08/31/79	29	0.47	0.459	0.64	0.34	0.005	0.074	0.36	0.385	0.5	0.53
71890	MERCURY, DISSOLVED (UG/L AS HG)	02/24/77-09/03/81	18 ##	0.25	0.206	0.25	0.05	0.007	0.086	0.05	0.2	0.25	0.25
71895	MERCURY, SUSPENDED (UG/L AS HG)	02/24/77-08/31/79	16	0.	0.05	0.6	0.	0.023	0.151	0.	0.	0.	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	02/24/77-09/03/81	25 ##	0.25	0.186	0.6	0.05	0.016	0.127	0.05	0.05	0.25	0.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0443

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	41	0	0.00	13	0	0.00	7	0	0.00	6	0	0.00	15	0	0.00
00400	PH	Other-Hi Lim.	9.	42	0	0.00	13	0	0.00	8	0	0.00	6	0	0.00	15	0	0.00
		Other-Lo Lim.	6.5	42	0	0.00	13	0	0.00	8	0	0.00	6	0	0.00	15	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
		Drinking Water	0.2	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	30	0	0.00	8	0	0.00	5	0	0.00	5	0	0.00	12	0	0.00
		Drinking Water	250.	30	0	0.00	8	0	0.00	5	0	0.00	5	0	0.00	12	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0443

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	30	0	0.00	8	0	0.00	5	0	0.00	5	0	0.00	12	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	34	0	0.00	11	0	0.00	5	0	0.00	5	0	0.00	13	0	0.00
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	50.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	11	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00
		Drinking Water	50.	11	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
		Drinking Water	50.	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	17	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	2	0	0.00	2	0	0.00									
		Drinking Water	4.	1 &	0	0.00	1	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	9	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	4.	8 &	2	0.25	2	0	0.00	3	1	0.33	1	0	0.00	2	1	0.50
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	17 &	3	0.18	6	1	0.17	4	2	0.50	2	0	0.00	5	0	0.00
		Drinking Water	5.	17 &	2	0.12	6	1	0.17	4	1	0.25	2	0	0.00	5	0	0.00
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	12 &	5	0.42	3	1	0.33	4	2	0.50	1	1	1.00	4	1	0.25
		Drinking Water	5.	13 &	4	0.31	4	1	0.25	4	2	0.50	1	0	0.00	4	1	0.25
01027	CADMIUM, TOTAL	Fresh Acute	3.9	18 &	5	0.28	5	1	0.20	6	2	0.33	2	1	0.50	5	1	0.20
		Drinking Water	5.	18 &	4	0.22	5	1	0.20	6	1	0.17	2	1	0.50	5	1	0.20
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	16	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00	6	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	24	0	0.00	7	0	0.00	6	0	0.00	3	0	0.00	8	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	18	1	0.06	6	1	0.17	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	1300.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
01041	COPPER, SUSPENDED	Fresh Acute	18.	17	1	0.06	5	1	0.20	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	1300.	17	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	25	3	0.12	7	2	0.29	7	1	0.14	3	0	0.00	8	0	0.00
		Drinking Water	1300.	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	15.	18	6	0.33	6	0	0.00	4	2	0.50	2	1	0.50	6	3	0.50
01050	LEAD, SUSPENDED	Fresh Acute	82.	16	2	0.13	4	2	0.50	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	15.	11 &	4	0.36	3	3	1.00	3	1	0.33	1	0	0.00	4	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	19 &	2	0.11	5	1	0.20	6	1	0.17	2	0	0.00	6	0	0.00
		Drinking Water	15.	19 &	9	0.47	5	2	0.40	6	2	0.33	2	2	1.00	6	3	0.50
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	17	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	100.	17	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	16	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	100.	16	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
		Drinking Water	100.	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	100.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	11 &	1	0.09	3	1	0.33	3	0	0.00	1	0	0.00	4	0	0.00
		Drinking Water	100.	15	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00	5	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	19 &	0	0.00	5	0	0.00	6	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	100.	24	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	7	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	5000.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
01091	ZINC, SUSPENDED	Fresh Acute	120.	15	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	5000.	15	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00	6	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	24	0	0.00	7	0	0.00	6	0	0.00	3	0	0.00	8	0	0.00
		Drinking Water	5000.	24	0	0.00	7	0	0.00	6	0	0.00	3	0	0.00	8	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	50.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0443

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	16	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	50.	16	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
		Drinking Water	50.	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	2.	18	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	16	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
		Drinking Water	2.	16	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00	6	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
		Drinking Water	2.	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0444

NPS Station ID: SACN0444
LAT/LON: 44.760309/ -92.868977
Agency: 21WIS
Date Created: 09/16/77
Location: MISS R.LOCK+DAM # 2 HASTINGS,MN.
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 483026 /6301AA483026
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 0
Aquifer:
Major Basin: UPPER MISSISSIPPI
Elevation: 0
Water Body Id:
Minor Basin: UPPER PORTION UPPER MISSISSIPPI
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 3.810
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206000101.12
RF3 Mile Point: 2.23
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	152	10.	10.972	28.	0.	87.273	9.342	0.	1.	20.	23.85
00032	CLOUD COVER (PERCENT)	11/02/87-01/12/88	2	100.	100.	100.	100.	0.	0.	**	**	**	**
00057	FLOW, INDICATES IT HAS BEEN CHECKED	01/19/77-12/16/80	111	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00060	FLOW, STREAM, MEAN DAILY CFS	01/19/77-12/16/80	108	8442.	12764.315	53179.	1430.	134552596.031	11599.681	3572.5	5089.	15515.	31244.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	135	11100.	15364.889	66000.	900.	177125538.607	13308.852	4120.	6400.	20000.	35180.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	138	550.	547.529	767.	78.	8976.777	94.746	440.	488.75	610.	665.5
00157	RESIDUE,TOTAL VOLATILE,IN WHOLE WATER, % REMOVAL	08/29/88-06/13/89	4	8.65	8.775	9.5	8.3	0.276	0.525	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	152	9.75	9.582	17.8	2.8	7.202	2.684	6.33	7.4	11.95	12.57
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	105	3.7	3.958	15.	0.6	5.114	2.261	1.5	2.5	4.9	6.22
00312	BOD, 6 DAY, 20 DEG C MG/L	04/11/77-11/02/87	32	4.3	4.675	11.	1.2	6.021	2.454	1.59	2.575	6.025	8.42
00400	PH (STANDARD UNITS)	01/19/77-11/01/88	150	7.9	7.971	8.85	7.01	0.107	0.327	7.6	7.8	8.2	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	150	7.9	7.852	8.85	7.01	0.121	0.348	7.6	7.8	8.2	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	150	0.013	0.014	0.098	0.001	0.	0.012	0.004	0.006	0.016	0.025
00403	PH, LAB, STANDARD UNITS SU	06/22/77-12/06/88	6	8.2	8.117	8.5	7.7	0.078	0.279	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/22/77-12/06/88	6	8.2	8.041	8.5	7.7	0.085	0.291	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/77-12/06/88	6	0.006	0.009	0.02	0.003	0.	0.006	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/05/88-12/06/88	3	158.	162.	180.	148.	268.	16.371	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	140	31.5	31.35	166.	0.	719.812	26.829	3.1	7.25	44.	63.9
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/19/77-02/04/81	48	1.2	1.269	3.1	0.5	0.184	0.429	0.8	1.	1.4	1.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	141	0.38	0.574	4.3	0.02	0.377	0.614	0.094	0.155	0.815	1.2
00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	10/20/93-06/28/94	2	78.5	78.5	95.	62.	544.5	23.335	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	91	1.5	1.551	2.4	1.	0.093	0.305	1.2	1.3	1.8	2.
00627	NITROGEN KJELDAHL TOTAL BOTTOM DEP DRY WT MG/KG	10/20/93-06/28/94	2	2850.	2850.	3700.	2000.	1445000.	1202.082	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/11/77-05/19/77	2	0.68	0.68	1.16	0.2	0.461	0.679	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	141	1.6	1.894	6.1	0.2	1.749	1.323	0.6	0.9	2.5	3.78
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	139	0.22	0.242	0.72	0.1	0.012	0.108	0.14	0.18	0.26	0.34
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	10/20/93-06/28/94	2	1260.	1260.	1600.	920.	231200.	480.833	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	138	0.119	0.127	0.58	0.002	0.007	0.082	0.049	0.082	0.15	0.22
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/23/78-08/23/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/27/79-12/06/88	8	221.5	241.625	438.	180.	6887.982	82.994	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/05/88-12/06/88	3	46.	47.667	51.	46.	8.333	2.887	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/05/88-12/06/88	3	15.	16.667	20.	15.	8.333	2.887	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	81	22.	22.198	56.	4.	63.735	7.983	14.	17.	26.	30.
01002	ARSENIC, TOTAL (UG/L AS AS)	01/19/77-02/27/79	26	## 5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	01/19/77-06/02/86	38	## 0.1	0.413	4.	0.1	0.494	0.703	0.1	0.1	0.4	0.82
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/20/93-06/28/94	2	0.83	0.83	0.94	0.72	0.024	0.156	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/20/93-06/28/94	2	20.5	20.5	23.	18.	12.5	3.536	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/19/77-06/02/86	38	3.	4.263	21.	1.5	17.861	4.226	1.5	1.5	5.	10.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	01/19/77-06/02/86	38	5.	6.974	26.	1.5	36.58	6.048	1.5	1.5	10.25	16.1
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/24/87-06/28/94	9	25.	24.222	28.	18.	11.694	3.42	18.	21.	27.	28.
01051	LEAD, TOTAL (UG/L AS PB)	02/16/78-06/02/86	25 ##	1.5	3.88	45.	1.5	75.006	8.661	1.5	1.5	3.	5.4
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/24/87-06/28/94	9	24.	23.111	35.	14.	46.361	6.809	14.	17.	28.5	35.
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/24/87-06/28/94	9	2100.	1915.556	3500.	940.	583677.778	763.988	940.	1250.	2200.	3500.
01092	ZINC, TOTAL (UG/L AS ZN)	07/01/85-07/01/85	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
04589	INVALID PARAMETER	10/20/93-06/28/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
10217	PCB CONGENER IUPAC #101 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	2.95	2.95	3.2	2.7	0.125	0.354	**	**	**	**
19190	PCB CONGENER IUPAC #7 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
19191	PCB CONGENER IUPAC #6 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.225	0.225	0.225	0.225	0.	0.	**	**	**	**
19192	PCB CONGENER IUPAC #5/8 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
19193	PCB CONGENER IUPAC #19 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19194	PCB CONGENER IUPAC #18 SOIL,TOTAL UG/KG	10/20/93-06/28/94	1	0.95	0.95	0.95	0.95	0.	0.	**	**	**	**
19195	PCB CONGENER IUPAC #17 SOIL,TOTAL UG/KG	10/20/93-06/28/94	1	0.83	0.83	0.83	0.83	0.	0.	**	**	**	**
19196	PCB CONGENER IUPAC #24/27 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19197	PCB CONGENER IUPAC #16/32 SOIL,TOTAL UG/KG	10/20/93-06/28/94	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
19198	PCB CONGENER IUPAC #26 SOIL,TOTAL UG/KG	10/20/93-06/28/94	1	0.82	0.82	0.82	0.82	0.	0.	**	**	**	**
19200	PCB CONGENER IUPAC #33 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
19201	PCB CONGENER IUPAC #22 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
19202	PCB CONGENER IUPAC #45 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19203	PCB CONGENER IUPAC #46 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.288	0.288	0.4	0.175	0.025	0.159	**	**	**	**
19204	PCB CONGENER IUPAC #52 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
19205	PCB CONGENER IUPAC #49 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	2.75	2.75	2.8	2.7	0.005	0.071	**	**	**	**
19206	PCB CONGENER IUPAC #47/48 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	3.75	3.75	3.8	3.7	0.005	0.071	**	**	**	**
19207	PCB CONGENER IUPAC #44 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	1.55	1.55	1.6	1.5	0.005	0.071	**	**	**	**
19208	PCB CONGENER IUPAC #37/42 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	1.45	1.45	1.6	1.3	0.045	0.212	**	**	**	**
19210	PCB CONGENER IUPAC #40 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19211	PCB CONGENER IUPAC #74 SOIL,TOTAL UG/KG	10/20/93-06/28/94	1	0.89	0.89	0.89	0.89	0.	0.	**	**	**	**
19212	PCB CONGENER IUPAC #70/76 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	3.6	3.6	3.9	3.3	0.18	0.424	**	**	**	**
19213	PCB CONGENER IUPAC #66/95 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	6.05	6.05	6.6	5.5	0.605	0.778	**	**	**	**
19214	PCB CONGENER IUPAC #91 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
19216	PCB CONGENER IUPAC #84/92 SOIL,TOTAL UG/KG	10/20/93-06/28/94	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
19218	PCB CONGENER IUPAC #99 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	1.7	1.7	1.8	1.6	0.02	0.141	**	**	**	**
19219	PCB CONGENER IUPAC #97 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	1.1	1.1	1.2	1.	0.02	0.141	**	**	**	**
19220	PCB CONGENER IUPAC #87 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	1.8	1.8	2.1	1.5	0.18	0.424	**	**	**	**
19221	PCB CONGENER IUPAC #85 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	2.135	2.135	3.4	0.87	3.2	1.789	**	**	**	**
19222	PCB CONGENER IUPAC #136 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.26	0.26	0.42	0.1	0.051	0.226	**	**	**	**
19223	PCB CONGENER IUPAC #77/110 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	6.65	6.65	7.4	5.9	1.125	1.061	**	**	**	**
19227	PCB CONGENER IUPAC #149 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	2.3	2.3	2.5	2.1	0.08	0.283	**	**	**	**
19228	PCB CONGENER IUPAC #118 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	4.65	4.65	5.6	3.7	1.805	1.344	**	**	**	**
19230	PCB CONGENER IUPAC #132/153 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	5.05	5.05	5.6	4.5	0.605	0.778	**	**	**	**
19231	PCB CONGENER IUPAC #141 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	0.545	0.545	0.55	0.54	0.	0.007	**	**	**	**
19232	PCB CONGENER IUPAC #137/176 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19233	PCB CONGENER IUPAC #138/163 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	5.85	5.85	6.6	5.1	1.125	1.061	**	**	**	**
19234	PCB CONGENER IUPAC #178 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
19235	PCB CONGENER IUPAC #182/187 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
19237	PCB CONGENER IUPAC #185 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19240	PCB CONGENER IUPAC #171/202 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19241	PCB CONGENER IUPAC #172/197 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
19242	PCB CONGENER IUPAC #180 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2	1.75	1.75	2.	1.5	0.125	0.354	**	**	**	**
19243	PCB CONGENER IUPAC #199 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
19245	PCB CONGENER IUPAC #201 SOIL,TOTAL UG/KG	10/20/93-06/28/94	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
19246	PCB CONGENER IUPAC #196/203 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
19247	PCB CONGENER IUPAC #195/208 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
19248	PCB CONGENER IUPAC #194 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
19249	PCB CONGENER IUPAC #206 SOIL,TOTAL UG/KG	10/20/93-06/28/94	2 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	135	60.	242.333	3200.	5.	202315.224	449.795	5.	10.	280.	704.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	135	1.778	1.784	3.505	0.699	0.61	0.781	0.699	1.	2.447	2.848
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			60.768								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	05/02/85-11/06/85	6	95.	101.667	180.	60.	2016.667	44.907	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	05/02/85-11/06/85	6	1.977	1.974	2.255	1.778	0.034	0.183	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			94.225								
31639	ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	05/02/85-11/06/85	6	20.	20.	40.	10.	120.	10.954	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31639	LOG ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	05/02/85-11/06/85	6	1.301	1.251	1.602	1.	0.051	0.227	**	**	**	**
31639	GM ENTEROCOCCI GROUP D,MF TRANS,M-E,EIA #/100ML	GEOMETRIC MEAN =			17.818								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/05/82-10/01/87	44	50.	430.682	13000.	5.	3801462.315	1949.734	5.	12.5	217.5	445.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/05/82-10/01/87	44	1.699	1.751	4.114	0.699	0.592	0.769	0.699	1.075	2.335	2.645
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			56.362								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	79	20.	77.025	1000.	0.	27124.051	164.694	5.	5.	80.	230.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	79	1.301	1.35	3.	0.	0.442	0.665	0.699	0.699	1.903	2.362
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			22.37								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/06/88-08/03/88	2	150.	150.	160.	140.	200.	14.142	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	06/13/88-06/13/88	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39348	CHLORDANE, ALPHA, IN WHOLE WATER SAMPLE (UG/L)	06/13/88-06/13/88	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/13/88-06/13/88	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/13/88-06/13/89	4	0.165	0.158	0.18	0.12	0.001	0.026	**	**	**	**
39810	CHLORDANE,GAMMA,IN WHOLE WATER SAMPLE (UG/L)	06/13/88-06/13/88	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
61509	ZINC SLUDGE SOLID FRACTN,DRY WT,MG/KG	09/24/87-06/28/94	9	100.	106.889	150.	73.	683.361	26.141	73.	84.5	130.	150.
61527	CADMIUM SLUDGE SOLID FRACTN,DRY WT,MG/KG	09/24/87-06/13/89	7	2.	1.857	2.	1.	0.143	0.378	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	06/13/88-06/28/94	7	75.	74.571	86.	57.	92.619	9.624	**	**	**	**
70322	SOLIDS, VOLATILE, PERCENT OF TOTAL SOLIDS	09/24/87-06/28/94	5	7.	7.	9.	5.	2.5	1.581	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/19/77-05/01/86	29 ##	0.1	0.152	1.2	0.1	0.044	0.21	0.1	0.1	0.1	0.2
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/29/88-06/28/94	6	0.2	0.163	0.2	0.08	0.003	0.057	**	**	**	**
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	06/13/88-06/13/88	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
78924	NONACHLOR, CIS, SEDIMENT, DRY WEIGHT UG/KG	06/13/88-06/13/88	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
81951	TOTAL ORGANIC CARBON(TOC)SEDIMENT DRY WEIGHT MG/KG	06/13/88-06/28/94	6	47450.	43383.333	57000.	24600.	186025666.667	13639.123	**	**	**	**
85753	TOXAPHENE LIKE COMPOUNDS, SOIL, DRY WT, MG/KG	08/29/88-11/29/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0444

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	152	2	0.01	42	0	0.00	37	1	0.03	22	0	0.00	51	1	0.02
00400	PH	Other-Hi Lim.	9.	150	0	0.00	41	0	0.00	36	0	0.00	22	0	0.00	51	0	0.00
		Other-Lo Lim.	6.5	150	0	0.00	41	0	0.00	36	0	0.00	22	0	0.00	51	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	6	0	0.00	3	0	0.00	2	0	0.00				1	0	0.00
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00	2	0	0.00				1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00							1	0	0.00	1	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	141	0	0.00	38	0	0.00	34	0	0.00	22	0	0.00	47	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	81	0	0.00	21	0	0.00	19	0	0.00	14	0	0.00	27	0	0.00
		Drinking Water	250.	81	0	0.00	21	0	0.00	19	0	0.00	14	0	0.00	27	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	26	0	0.00	8	0	0.00	8	0	0.00	3	0	0.00	7	0	0.00
		Drinking Water	50.	26	0	0.00	8	0	0.00	8	0	0.00	3	0	0.00	7	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	38	1	0.03	11	0	0.00	11	1	0.09	5	0	0.00	11	0	0.00
		Drinking Water	5.	38	0	0.00	11	0	0.00	11	0	0.00	5	0	0.00	11	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	38	0	0.00	11	0	0.00	11	0	0.00	5	0	0.00	11	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	38	2	0.05	11	0	0.00	11	2	0.18	5	0	0.00	11	0	0.00
		Drinking Water	1300.	38	0	0.00	11	0	0.00	11	0	0.00	5	0	0.00	11	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	25	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	8	0	0.00
		Drinking Water	15.	25	1	0.04	7	0	0.00	7	0	0.00	3	0	0.00	8	1	0.13
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	135	43	0.32	37	11	0.30	32	20	0.63	19	2	0.11	47	10	0.21
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00										1	0	0.00
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00										1	0	0.00
		Drinking Water	0.2	1	0	0.00										1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	29	0	0.00	8	0	0.00	9	0	0.00	4	0	0.00	8	0	0.00
		Drinking Water	2.	29	0	0.00	8	0	0.00	9	0	0.00	4	0	0.00	8	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1977 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	14	14.	12.943	24.	0.	91.186	9.549	0.	2.25	23.	24.
00057	FLOW, INDICATES IT HAS BEEN CHECKED	01/19/77-12/16/80	41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00060	FLOW, STREAM, MEAN DAILY CFS	01/19/77-12/16/80	41	6580.	6793.561	16478.	1430.	19673985.802	4435.537	1894.	2926.5	9994.	12198.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	13	4200.	6507.692	16800.	1000.	26134102.564	5112.152	1120.	1900.	10950.	15320.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	11	535.	524.818	635.	360.	5675.764	75.338	377.4	485.	580.	626.
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	14	7.4	8.071	12.2	2.8	8.348	2.889	4.1	5.8	10.6	12.1
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	12	5.7	6.875	15.	2.5	15.4	3.924	2.5	3.5	9.5	14.1
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	14	8.	7.993	8.4	7.4	0.118	0.343	7.45	7.75	8.4	8.4
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	14	8.	7.866	8.4	7.4	0.135	0.367	7.45	7.75	8.4	8.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	14	0.01	0.014	0.04	0.004	0.	0.011	0.004	0.004	0.018	0.036
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	13	27.	25.	45.	3.	234.167	15.303	3.4	7.	38.	44.6
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/19/77-02/04/81	13	1.3	1.423	2.1	0.8	0.14	0.375	0.92	1.2	1.8	1.98
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	13	0.7	1.338	4.3	0.14	1.798	1.341	0.224	0.485	2.05	4.02
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	13	0.7	1.046	2.8	0.2	0.593	0.77	0.2	0.4	1.65	2.36
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	13	0.34	0.394	0.72	0.16	0.041	0.203	0.168	0.235	0.61	0.716
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	13	0.125	0.205	0.58	0.056	0.032	0.178	0.063	0.094	0.285	0.572
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	14	15.	238.929	2100.	5.	320381.456	566.022	5.	8.75	167.5	1350.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	14	1.151	1.496	3.322	0.699	0.724	0.851	0.699	0.925	2.086	3.05
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			31.302								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	13 ##	5.	85.385	900.	5.	60493.59	245.954	5.	5.	30.	576.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	13 ##	0.699	1.131	2.954	0.699	0.481	0.694	0.699	0.699	1.452	2.554
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			13.524								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	12	9.35	10.625	26.	0.1	97.998	9.899	0.1	0.2	19.75	25.25
00057	FLOW, INDICATES IT HAS BEEN CHECKED	01/19/77-12/16/80	34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00060	FLOW, STREAM, MEAN DAILY CFS	01/19/77-12/16/80	34	12465.5	14830.441	35096.	5072.	88477439.345	9406.245	5505.	6639.25	24289.	30548.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	12	12000.	14225.	34700.	4600.	91952954.545	9589.21	4900.	6375.	21950.	32300.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	12	515.	516.833	680.	380.	9402.333	96.966	392.	440.	607.	671.6
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	12	10.	9.75	12.5	6.2	4.903	2.214	6.29	7.375	11.375	12.5
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	12	3.9	4.125	7.8	1.2	2.686	1.639	1.68	3.3	5.1	7.17
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	12	8.	8.008	8.4	7.6	0.072	0.268	7.63	7.8	8.275	8.37
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	12	8.	7.935	8.4	7.6	0.078	0.278	7.63	7.8	8.275	8.37
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	12	0.01	0.012	0.025	0.004	0.	0.007	0.004	0.005	0.016	0.024
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	12	25.	22.417	44.	1.	245.356	15.664	1.3	4.5	37.25	42.5
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/19/77-02/04/81	12	1.25	1.142	1.4	0.8	0.054	0.231	0.8	0.9	1.3	1.4
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	12	0.62	0.622	1.7	0.05	0.224	0.473	0.068	0.215	0.9	1.475
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	12	1.	1.233	2.7	0.3	0.719	0.848	0.3	0.525	1.85	2.67
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	12	0.22	0.215	0.27	0.14	0.002	0.042	0.146	0.183	0.255	0.267
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	11	0.12	0.109	0.162	0.02	0.002	0.046	0.023	0.074	0.139	0.16
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	12	75.	157.917	700.	5.	53274.811	230.813	5.	11.25	172.5	661.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	12	1.874	1.738	2.845	0.699	0.545	0.739	0.699	0.894	2.214	2.818
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			54.741								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	12	10.	26.25	100.	5.	923.295	30.386	5.	5.	47.5	88.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	12	1.	1.156	2.	0.699	0.246	0.496	0.699	0.699	1.675	1.933
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			14.33								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	12	8.	10.467	25.5	0.	93.832	9.687	0.	1.4	21.25	24.75
00057	FLOW, INDICATES IT HAS BEEN CHECKED	01/19/77-12/16/80	21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00060	FLOW, STREAM, MEAN DAILY CFS	01/19/77-12/16/80	21	19474.	22523.	53179.	4580.	324290637.6	18008.071	4580.	6109.5	34133.	52793.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	12	12350.	17083.333	46200.	4600.	172948787.879	13151.	4750.	5950.	27575.	41400.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	12	562.5	588.417	767.	447.	11976.265	109.436	451.2	488.75	690.	758.9
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	12	10.1	9.917	13.6	6.6	5.44	2.332	6.69	7.5	11.975	13.24
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	11	3.5	3.891	7.4	1.5	2.811	1.677	1.7	2.6	5.3	7.02
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	11	7.9	7.936	8.4	7.6	0.079	0.28	7.6	7.6	8.2	8.36
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	11	7.9	7.86	8.4	7.6	0.085	0.292	7.6	7.6	8.2	8.36
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	11	0.013	0.014	0.025	0.004	0.	0.008	0.004	0.006	0.025	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	12	32.	31.917	136.	2.	1302.629	36.092	2.6	5.75	35.25	109.3
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/19/77-02/04/81	12	1.15	1.267	3.1	0.5	0.419	0.647	0.59	0.925	1.475	2.62
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	12	0.235	0.469	1.4	0.06	0.246	0.496	0.075	0.113	0.94	1.37
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	12	2.4	2.933	5.8	0.6	4.168	2.042	0.6	0.85	5.025	5.68
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	12	0.18	0.225	0.63	0.14	0.018	0.134	0.14	0.153	0.25	0.519
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	12	0.107	0.101	0.152	0.027	0.002	0.045	0.028	0.062	0.145	0.151
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	12	265.	257.5	900.	10.	61056.818	247.097	10.	32.5	355.	744.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	12	2.423	2.109	2.954	1.	0.435	0.66	1.	1.508	2.55	2.842
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			128.566								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	12	60.	79.167	290.	5.	6567.424	81.04	5.	17.5	107.5	251.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	12	1.772	1.642	2.462	0.699	0.323	0.569	0.699	1.151	2.031	2.385
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			43.812								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	14	14.5	12.214	23.	0.5	54.412	7.376	0.5	5.5	17.625	21.5
00057	FLOW, INDICATES IT HAS BEEN CHECKED	01/19/77-12/16/80	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00060	FLOW, STREAM, MEAN DAILY CFS	01/19/77-12/16/80	12	9137.5	10232.667	29960.	4540.	47366427.515	6882.327	4580.8	5295.	12117.75	24663.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	9	6700.	11288.889	30500.	4600.	66308611.111	8143.01	4600.	6250.	14300.	30500.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	9	510.	540.556	665.	440.	6082.528	77.991	440.	475.	602.5	665.
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	14	8.4	8.807	17.8	4.4	9.345	3.057	5.35	7.4	9.4	14.7
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	6	4.	4.667	10.	2.	7.795	2.792	**	**	**	**
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	14	7.8	7.957	8.4	7.8	0.05	0.224	7.8	7.8	8.2	8.3
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	14	7.8	7.911	8.4	7.8	0.053	0.229	7.8	7.8	8.2	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	14	0.016	0.012	0.016	0.004	0.	0.005	0.005	0.006	0.016	0.016
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	9	36.	33.889	64.	2.	374.111	19.342	2.	16.5	47.	64.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/19/77-02/04/81	9	1.3	1.344	1.9	1.	0.073	0.27	1.	1.15	1.5	1.9
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	9	0.57	0.604	1.4	0.02	0.19	0.436	0.02	0.29	0.96	1.4
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	9	1.	1.311	3.4	0.4	0.851	0.923	0.4	0.7	1.75	3.4
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	9	0.26	0.247	0.35	0.17	0.005	0.067	0.17	0.185	0.305	0.35
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	9	0.112	0.116	0.192	0.002	0.003	0.058	0.002	0.083	0.17	0.192
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	9	10.	31.667	120.	5.	1568.75	39.607	5.	5.	55.	120.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	9	1.	1.214	2.079	0.699	0.274	0.523	0.699	0.699	1.724	2.079
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			16.361								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	8	15.	21.875	60.	5.	406.696	20.167	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	8	1.151	1.157	1.778	0.699	0.194	0.441	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			14.352								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	19	10.	9.947	26.	0.	84.636	9.2	0.	1.5	20.	23.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	14	9800.	10979.286	20800.	1200.	35492160.989	5957.53	1850.	7575.	16000.	20400.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	12	500.	499.25	640.	340.	7535.841	86.809	358.3	437.5	565.	634.
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	19	9.2	9.495	12.2	6.6	3.839	1.959	6.6	7.6	11.6	12.1
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	9	3.7	3.844	6.5	2.4	1.453	1.205	2.4	3.	4.3	6.5
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	19	7.8	7.953	8.4	7.7	0.076	0.276	7.8	7.8	8.4	8.4
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	19	7.8	7.888	8.4	7.7	0.08	0.284	7.8	7.8	8.4	8.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	19	0.016	0.013	0.02	0.004	0.	0.006	0.004	0.004	0.016	0.016
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	12	32.5	26.917	58.	2.	369.356	19.219	2.	4.	41.	54.4
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/19/77-02/04/81	2	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	12	0.615	0.789	2.3	0.21	0.352	0.593	0.222	0.35	1.135	2.
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	10	1.8	1.83	2.3	1.6	0.06	0.245	1.6	1.6	2.	2.27
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	12	1.1	1.55	3.4	0.2	1.043	1.021	0.29	0.825	2.575	3.22
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	12	0.22	0.218	0.32	0.12	0.003	0.057	0.12	0.193	0.255	0.302
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	12	0.108	0.11	0.24	0.024	0.004	0.061	0.029	0.053	0.155	0.216
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	11	30.	191.818	1300.	5.	149246.364	386.324	5.	5.	200.	1118.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	11	1.477	1.566	3.114	0.699	0.73	0.854	0.699	0.699	2.301	3.009
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			36.794								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	9	100.	180.	1000.	5.	101137.5	318.021	5.	5.	195.	1000.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	9	2.	1.6	3.	0.699	0.813	0.902	0.699	0.699	2.283	3.
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			39.843								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	13	8.5	9.923	25.5	0.	102.91	10.144	0.	0.	19.5	24.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	12	11500.	17541.667	46300.	5100.	200075378.788	14144.8	5220.	6025.	31675.	42880.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	12	550.5	540.083	650.	430.	4638.265	68.105	439.	480.	587.5	644.
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	13	10.2	9.715	13.2	5.8	5.558	2.358	6.04	8.	11.8	12.8
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	8	3.7	3.088	5.2	0.8	2.884	1.698	**	**	**	**
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	13	8.	7.969	8.4	7.6	0.067	0.259	7.6	7.8	8.2	8.36
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	13	8.	7.901	8.4	7.6	0.072	0.269	7.6	7.8	8.2	8.36
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	13	0.01	0.013	0.025	0.004	0.	0.007	0.004	0.006	0.016	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	12	42.5	42.917	166.	0.	2015.356	44.893	0.	7.5	54.5	133.9
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	12	0.48	0.661	1.3	0.11	0.197	0.444	0.119	0.348	1.13	1.3
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	12	1.8	1.792	2.4	1.3	0.117	0.342	1.33	1.45	2.	2.34
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	12	2.1	2.342	5.8	0.5	2.335	1.528	0.62	1.075	3.375	5.23
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	12	0.21	0.22	0.4	0.14	0.006	0.075	0.143	0.163	0.265	0.37
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	11	0.104	0.102	0.156	0.031	0.001	0.038	0.037	0.068	0.133	0.153
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	10	20.	20.5	30.	12.	29.389	5.421	12.2	16.25	24.25	29.5
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	11	60.	180.455	850.	5.	71602.273	267.586	6.	30.	200.	786.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	11	1.778	1.841	2.929	0.699	0.447	0.668	0.759	1.477	2.301	2.888
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			69.348								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	5	10.	74.	230.	5.	10017.5	100.087	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	5	1.	1.368	2.362	0.699	0.631	0.794	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			23.322								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	12	11.25	11.375	27.	0.	108.006	10.393	0.	0.125	21.125	26.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	12	13700.	21958.333	53000.	8200.	243097196.97	15591.575	8230.	10850.	35675.	50000.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	12	575.	569.167	710.	460.	6771.97	82.292	466.	490.	640.	698.
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	12	9.7	9.542	14.6	5.	8.901	2.983	5.3	6.825	12.1	14.15
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	11	3.3	3.182	6.1	0.9	1.99	1.411	1.08	2.1	4.	5.76
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	12	8.	8.067	8.85	7.7	0.087	0.294	7.73	7.85	8.188	8.655
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	12	8.	7.997	8.85	7.7	0.092	0.303	7.73	7.85	8.188	8.655
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	12	0.01	0.01	0.02	0.001	0.	0.005	0.003	0.007	0.014	0.019
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	12	40.5	40.917	80.	4.	579.356	24.07	4.9	18.75	61.5	75.5
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	12	0.41	0.418	0.85	0.11	0.058	0.241	0.113	0.18	0.59	0.805
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	12	1.5	1.5	1.8	1.2	0.035	0.186	1.23	1.325	1.675	1.77
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	12	3.25	3.017	6.1	0.6	2.551	1.597	0.78	1.4	4.025	5.59
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	12	0.22	0.223	0.36	0.16	0.003	0.059	0.16	0.173	0.26	0.333
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	12	0.119	0.11	0.169	0.023	0.002	0.044	0.032	0.073	0.139	0.163
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	12	21.5	21.333	29.	14.	18.424	4.292	14.	20.	24.	27.8
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	12	65.	305.	1200.	10.	171718.182	414.389	13.	32.5	517.5	1140.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	12	1.812	2.036	3.079	1.	0.475	0.689	1.09	1.508	2.714	3.055
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			108.611								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	7	80.	154.286	480.	20.	29828.571	172.71	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	7	1.903	1.925	2.681	1.301	0.286	0.535	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			84.225								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	11	4.	8.564	26.	0.	92.585	9.622	0.	0.	20.	24.84
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	8	15100.	18281.25	43200.	5400.	163867098.214	12801.058	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	11	600.	597.273	670.	510.	2461.818	49.617	518.	560.	650.	668.
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	11	11.6	10.318	14.2	5.4	8.794	2.965	5.68	7.	12.4	14.04
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	8	3.2	3.25	5.5	0.6	4.649	2.156	**	**	**	**
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	10	7.675	7.705	8.4	7.35	0.114	0.337	7.355	7.4	7.887	8.36
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	10	7.657	7.609	8.4	7.35	0.124	0.352	7.355	7.4	7.887	8.36
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	10	0.022	0.025	0.045	0.004	0.	0.015	0.005	0.013	0.04	0.044
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	11	36.	26.727	51.	1.	316.818	17.799	1.2	7.	39.	48.6
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	11	0.44	0.525	1.3	0.13	0.154	0.393	0.134	0.23	0.79	1.26
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	11	1.5	1.536	1.9	1.2	0.057	0.238	1.2	1.4	1.8	1.88
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	11	1.8	2.355	5.4	0.6	2.525	1.589	0.64	1.2	3.2	5.28
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	11	0.19	0.206	0.31	0.13	0.004	0.06	0.132	0.14	0.26	0.306
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	11	0.119	0.117	0.2	0.02	0.002	0.05	0.031	0.082	0.152	0.192
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	11	22.	22.091	30.	15.	24.691	4.969	15.	18.	27.	29.6
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	10	35.	152.5	790.	5.	63734.722	252.457	5.	5.	207.5	749.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	10	1.5	1.579	2.898	0.699	0.673	0.821	0.699	0.699	2.277	2.866
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			37.947								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	1	90.	90.	90.	90.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	1	1.954	1.954	1.954	1.954	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			90.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	12	8.	9.75	22.5	0.	84.705	9.204	0.	0.25	19.25	22.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	10	15000.	19760.	54900.	6500.	200540444.444	14161.23	6890.	10475.	26350.	52150.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	12	535.	545.	750.	410.	12427.273	111.478	416.	450.	622.5	738.
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	12	10.6	10.317	13.2	6.6	5.769	2.402	6.87	7.7	12.55	13.08
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	7	2.2	2.257	3.1	1.2	0.623	0.789	**	**	**	**
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	12	7.875	7.896	8.45	7.5	0.087	0.296	7.5	7.625	8.113	8.39
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	12	7.874	7.811	8.45	7.5	0.095	0.309	7.5	7.625	8.112	8.39
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	12	0.013	0.015	0.032	0.004	0.	0.01	0.004	0.008	0.024	0.032
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	12	34.	35.	80.	4.	759.455	27.558	4.	6.25	63.25	77.3
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	12	0.135	0.418	1.2	0.08	0.186	0.431	0.083	0.098	0.808	1.17
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	12	1.4	1.483	2.1	1.1	0.1	0.316	1.13	1.3	1.725	2.07
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	12	1.7	1.825	3.5	0.4	0.8	0.895	0.49	1.3	2.525	3.29
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	12	0.215	0.209	0.26	0.14	0.002	0.043	0.146	0.173	0.255	0.26
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	12	0.112	0.108	0.178	0.05	0.001	0.035	0.054	0.083	0.13	0.168
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	12	17.	19.25	34.	13.	47.114	6.864	13.	13.25	25.	31.9
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	12	235.	271.667	650.	10.	48851.515	221.024	19.	87.5	502.5	629.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	12	2.359	2.227	2.813	1.	0.285	0.533	1.181	1.938	2.686	2.798
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			168.745								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	11	13.	11.318	24.	0.	98.814	9.941	0.	0.	21.5	23.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	12	23650.	31041.667	66000.	8300.	421860833.333	20539.251	8420.	11700.	50700.	64200.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	12	575.	570.	690.	450.	5054.545	71.095	468.	512.5	607.5	687.
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	11	10.	9.518	12.4	6.4	6.848	2.617	6.42	6.6	12.2	12.38
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	4	3.1	2.925	4.	1.5	1.323	1.15	**	**	**	**
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	11	8.2	8.073	8.6	7.4	0.144	0.38	7.42	7.8	8.3	8.56
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	11	8.2	7.909	8.6	7.4	0.174	0.417	7.42	7.8	8.3	8.56
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	11	0.006	0.012	0.04	0.003	0.	0.012	0.003	0.005	0.016	0.038
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	12	61.5	48.833	118.	1.	1536.697	39.201	1.6	6.	77.25	108.7
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	12	0.12	0.349	1.1	0.04	0.165	0.406	0.04	0.043	0.795	1.052
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	10	1.2	1.32	1.8	1.	0.1	0.316	1.	1.	1.65	1.8
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	12	2.2	2.2	4.9	1.	1.002	1.001	1.09	1.55	2.45	4.27
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	10	0.195	0.195	0.3	0.1	0.004	0.059	0.103	0.153	0.233	0.294
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	11	0.108	0.101	0.158	0.038	0.002	0.039	0.042	0.062	0.132	0.154
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	12	15.5	16.417	28.	4.	34.992	5.915	6.7	14.	21.	26.2
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	11	130.	566.818	3200.	5.	933781.364	966.324	8.	60.	710.	2840.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	11	2.114	2.204	3.505	0.699	0.64	0.8	0.819	1.778	2.851	3.433
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			159.929								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	12	10.25	12.35	28.	0.	95.579	9.776	0.	2.5	21.625	26.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	12	10200.	10141.667	20000.	4200.	30166287.879	5492.385	4200.	5000.	11975.	19940.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	12	555.	532.333	670.	78.	25294.424	159.042	198.6	490.	630.	667.
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	12	11.8	10.508	15.2	4.2	10.241	3.2	5.01	7.975	12.9	14.54
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	6	4.15	3.833	4.9	1.8	1.259	1.122	**	**	**	**
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	12	7.95	7.899	8.5	7.01	0.21	0.459	7.055	7.718	8.213	8.5
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	12	7.947	7.649	8.5	7.01	0.279	0.528	7.055	7.717	8.212	8.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	12	0.011	0.022	0.098	0.003	0.001	0.03	0.003	0.006	0.019	0.089
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	12	20.5	22.417	50.	5.	263.72	16.239	5.3	6.5	35.5	49.1
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	12	0.18	0.308	0.89	0.05	0.065	0.254	0.062	0.128	0.48	0.803
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	12	1.4	1.408	1.9	1.2	0.046	0.215	1.2	1.2	1.575	1.81
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	12	1.2	1.383	3.5	0.6	0.587	0.766	0.66	0.9	1.675	2.99
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	12	0.225	0.217	0.34	0.12	0.005	0.071	0.123	0.14	0.26	0.325
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	12	0.119	0.112	0.22	0.004	0.005	0.071	0.007	0.056	0.166	0.217
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	12	23.	22.333	27.	13.	15.697	3.962	14.8	20.	26.	26.7
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	12	15.	189.583	1000.	5.	131142.992	362.137	5.	6.25	162.5	973.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	12	1.151	1.505	3.	0.699	0.71	0.843	0.699	0.774	2.151	2.988
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			31.964								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	3	10.	11.667	20.	5.	58.333	7.638	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	3	1.	1.	1.301	0.699	0.091	0.301	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			10.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

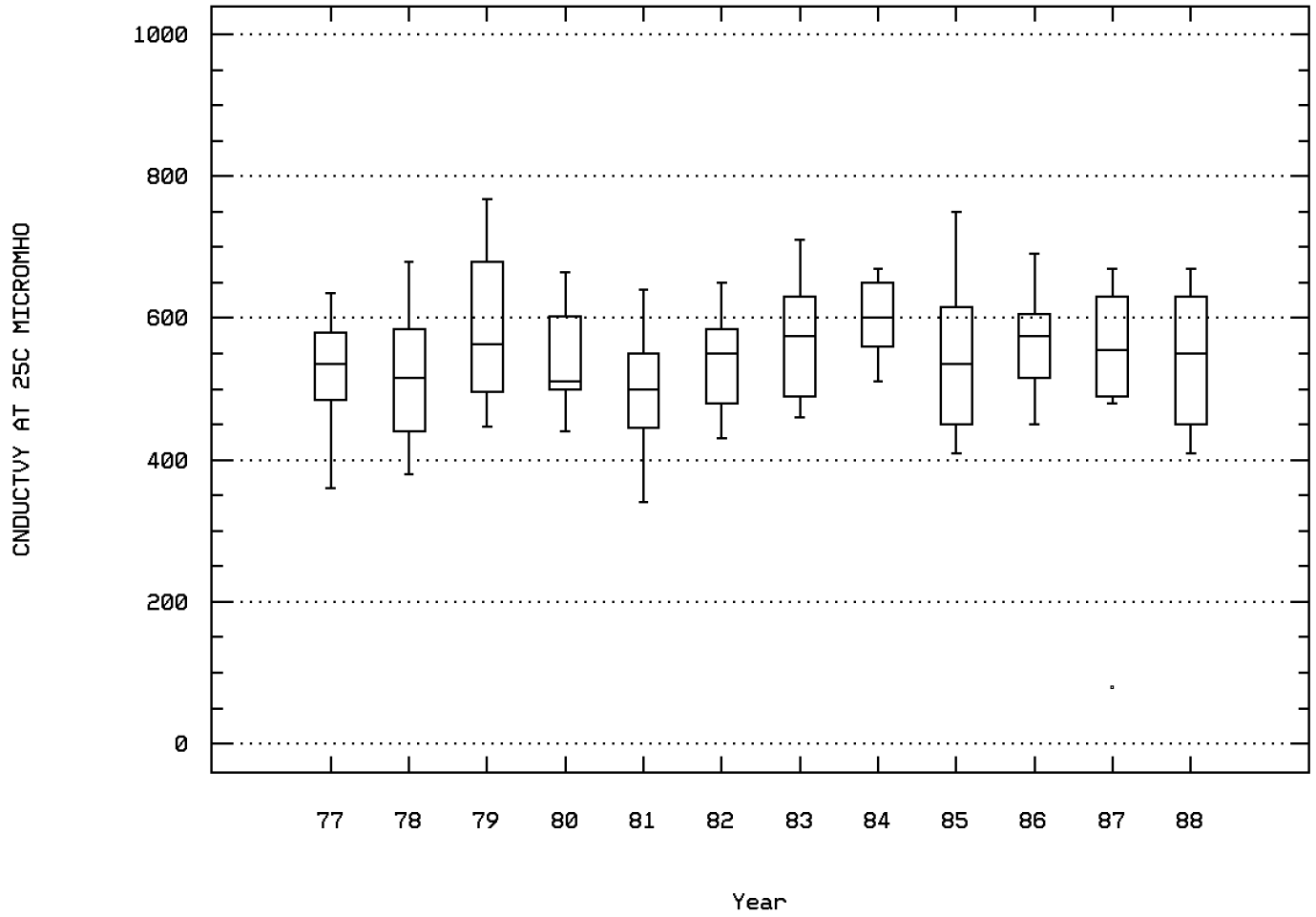
Annual Analysis for 1988 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	10	11.	12.4	27.	0.	120.989	10.999	0.	0.75	24.75	26.85
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	9	3300.	5177.778	14600.	900.	22044444.444	4695.151	900.	1800.	8100.	14600.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	11	550.	547.091	670.	410.	7781.091	88.21	416.	450.	630.	666.
00300p	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	10	10.85	9.48	13.4	3.	12.468	3.531	3.15	6.675	12.1	13.27
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	11	4.	3.818	6.4	1.8	2.048	1.431	1.8	2.8	4.9	6.1
00400p	PH (STANDARD UNITS)	01/19/77-11/01/88	10	8.15	8.21	8.8	7.5	0.177	0.42	7.53	7.95	8.65	8.8
00400p	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	10	8.147	8.038	8.8	7.5	0.209	0.458	7.53	7.95	8.65	8.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	10	0.007	0.009	0.032	0.002	0.	0.009	0.002	0.002	0.011	0.03
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	11	18.	19.	51.	1.	211.	14.526	1.6	8.	25.	48.
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	12	0.25	0.327	0.76	0.05	0.048	0.218	0.071	0.198	0.415	0.748
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	12	1.5	1.542	2.1	1.2	0.068	0.261	1.23	1.4	1.575	2.07
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	12	1.55	1.492	2.3	0.7	0.212	0.46	0.79	1.1	1.85	2.21
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	12	0.29	0.319	0.54	0.19	0.011	0.107	0.196	0.265	0.328	0.534
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	12	0.22	0.212	0.33	0.061	0.006	0.078	0.069	0.166	0.268	0.312
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	12	30.5	33.167	56.	19.	120.152	10.961	20.2	25.25	40.25	53.9
31613p	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	9	60.	338.889	2100.	5.	464329.861	681.418	5.	7.5	380.	2100.
31613p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	9	1.778	1.782	3.322	0.699	0.825	0.908	0.699	0.849	2.548	3.322
31613p	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			60.591								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	9	10.	37.778	260.	0.	6988.194	83.595	0.	5.	20.	260.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	9	1.	1.046	2.415	0.	0.418	0.647	0.	0.699	1.301	2.415
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			11.12								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: SACN0444 Parameter Code: 00095

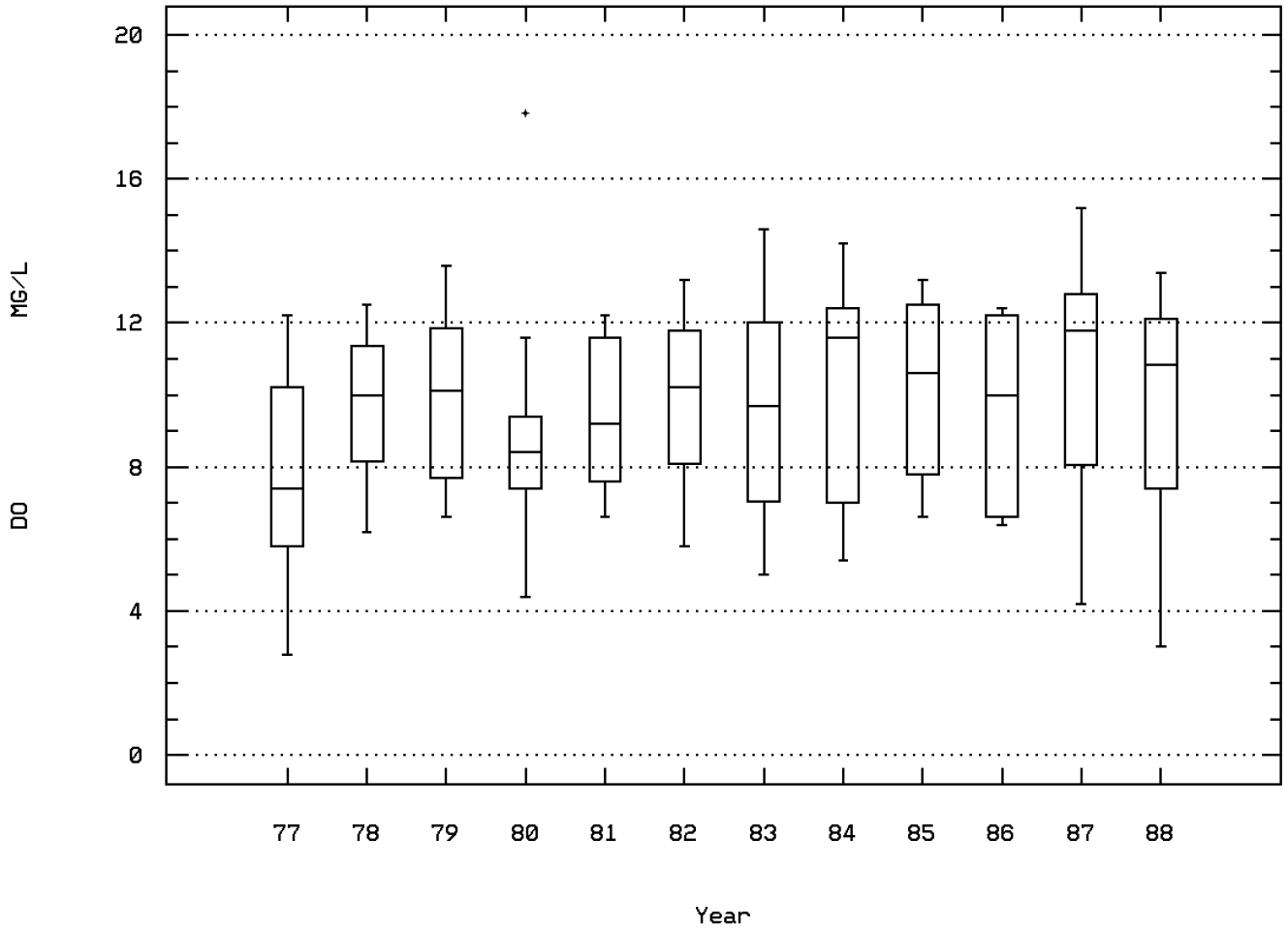
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



MISS R.LOCK+DAM # 2 HASTINGS,MN.

Station: SACN0444 Parameter Code: 00300

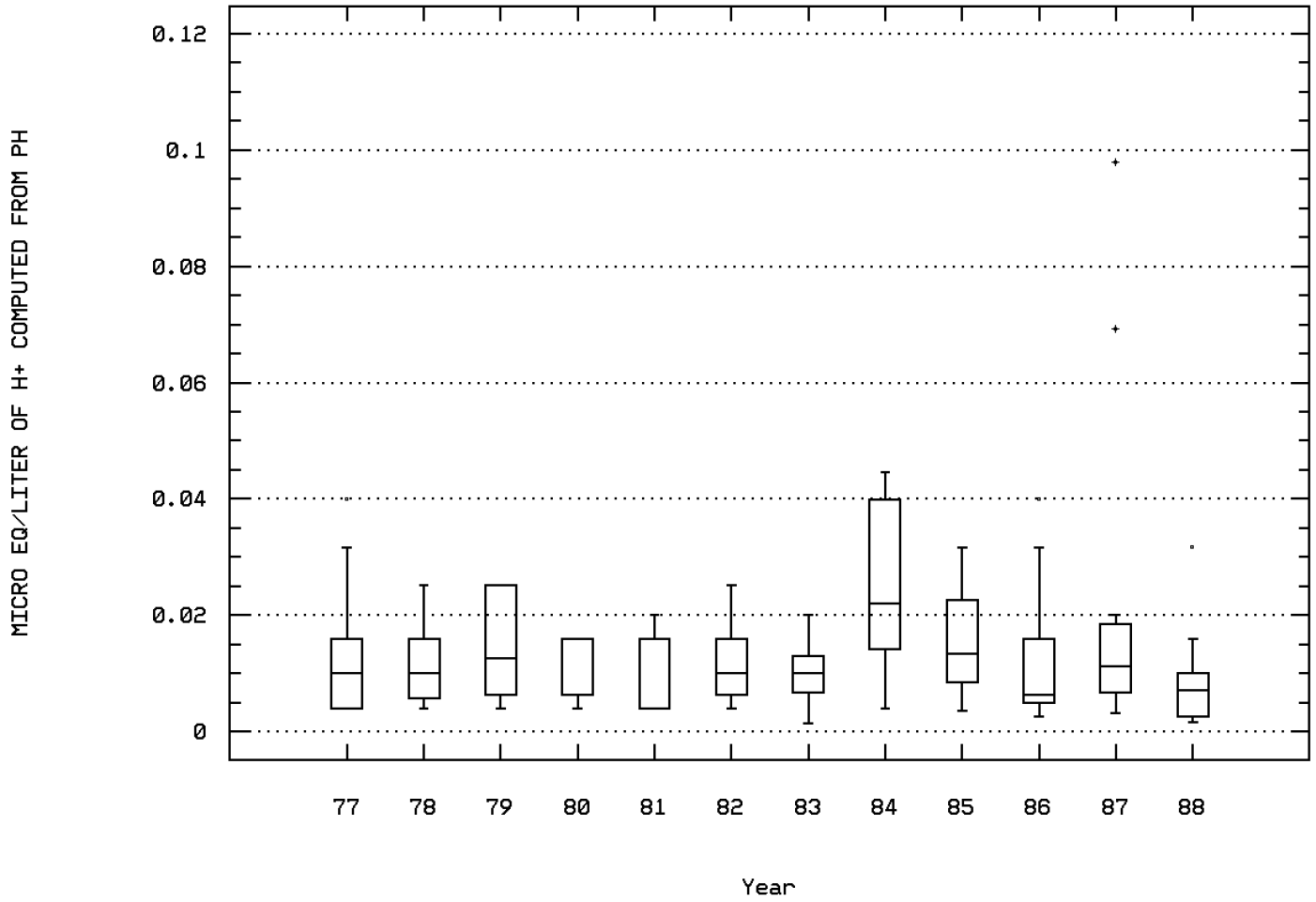
OXYGEN, DISSOLVED



MISS R.LOCK+DAM # 2 HASTINGS,MN.

Station: SACN0444 Parameter Code: 00400

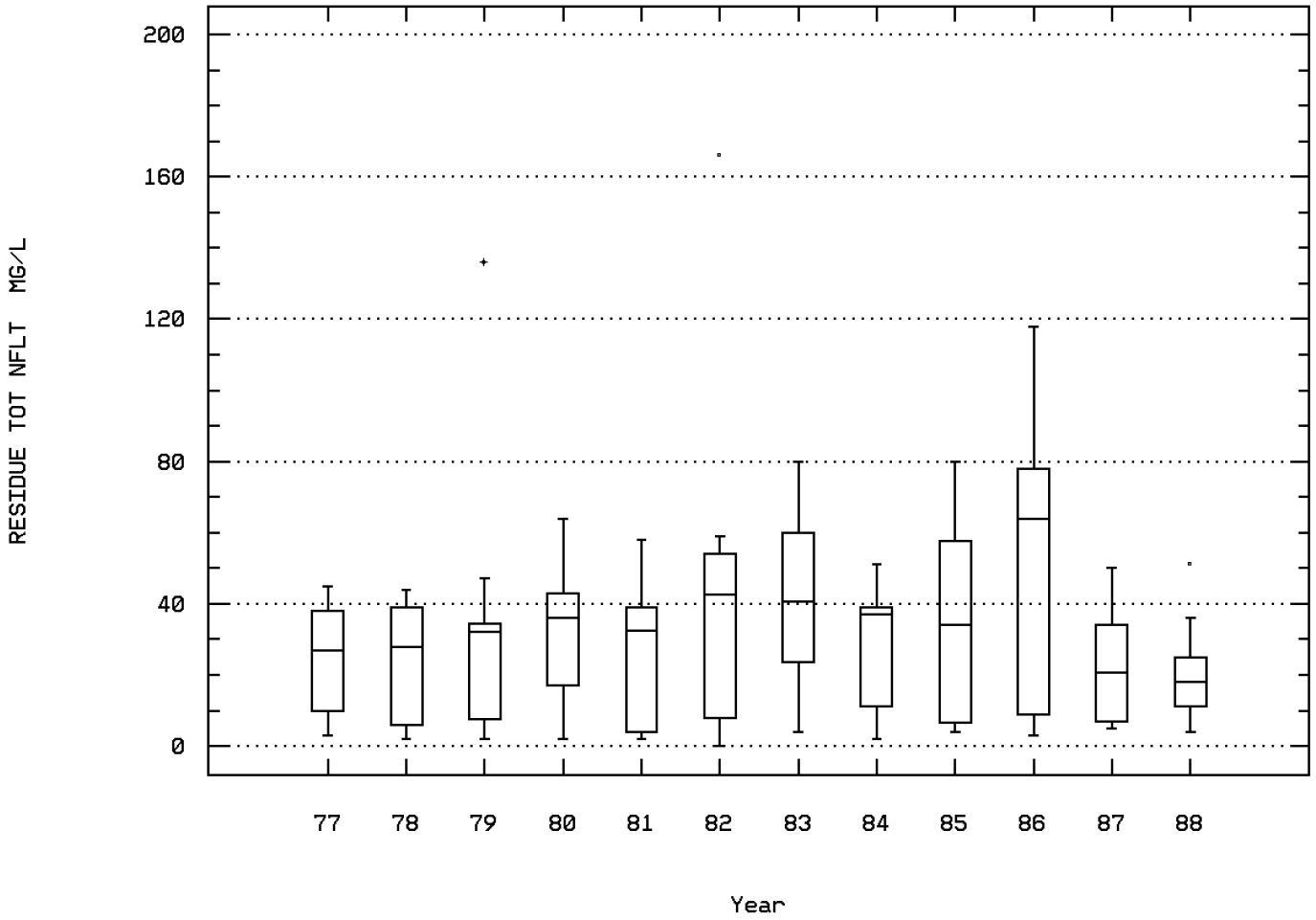
MICRO EQ/LITER OF H+ COMPUTED FROM PH



MISS R.LOCK+DAM # 2 HASTINGS,MN.

Station: SACN0444 Parameter Code: 00530

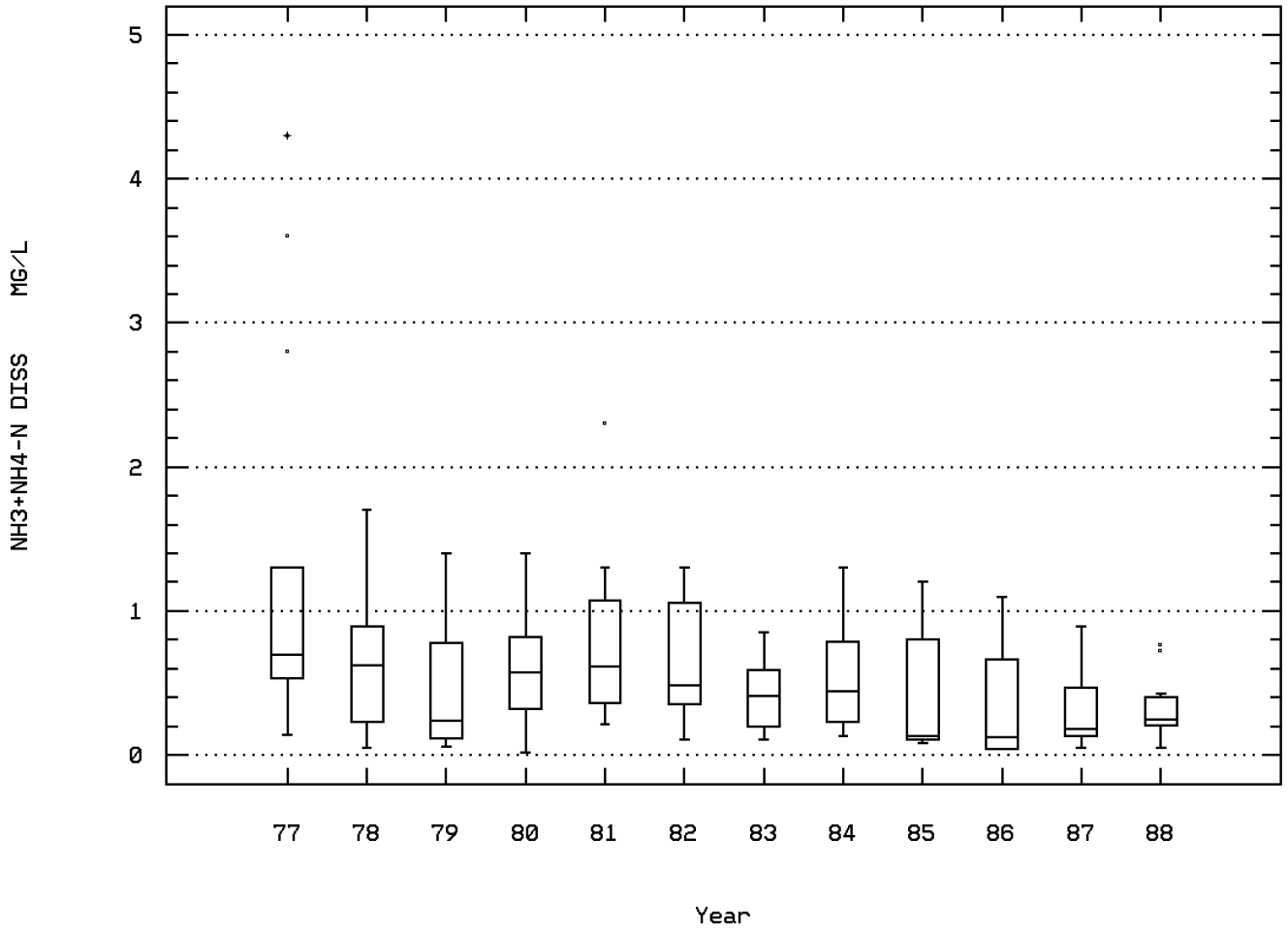
RESIDUE, TOTAL NONFILTRABLE (MG/L)



MISS R.LOCK+DAM # 2 HASTINGS,MN.

Station: SACN0444 Parameter Code: 00608

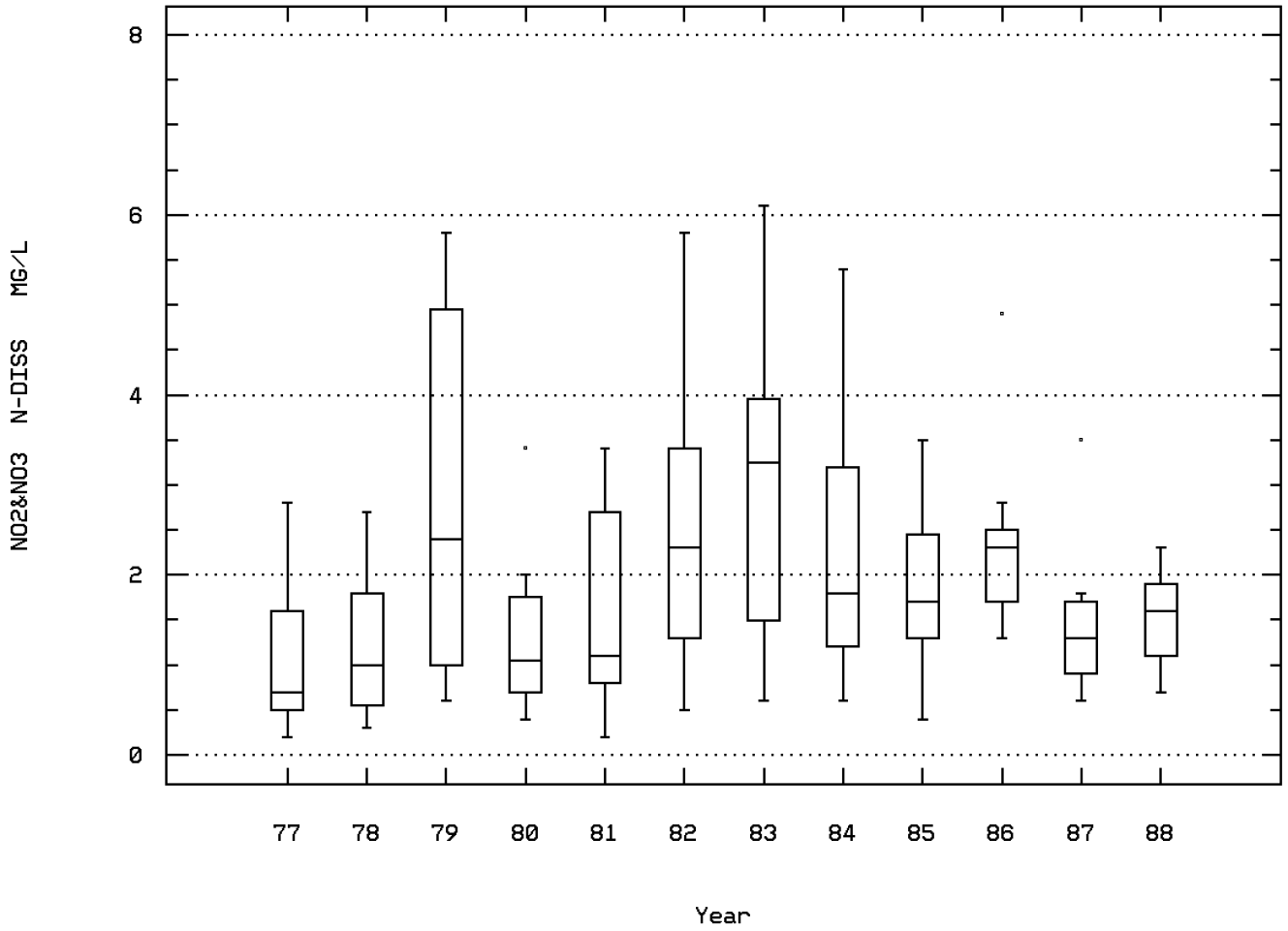
NITROGEN, AMMONIA, DISSOLVED (MG/L AS N



MISS R.LOCK+DAM # 2 HASTINGS,MN.

Station: SACN0444 Parameter Code: 00631

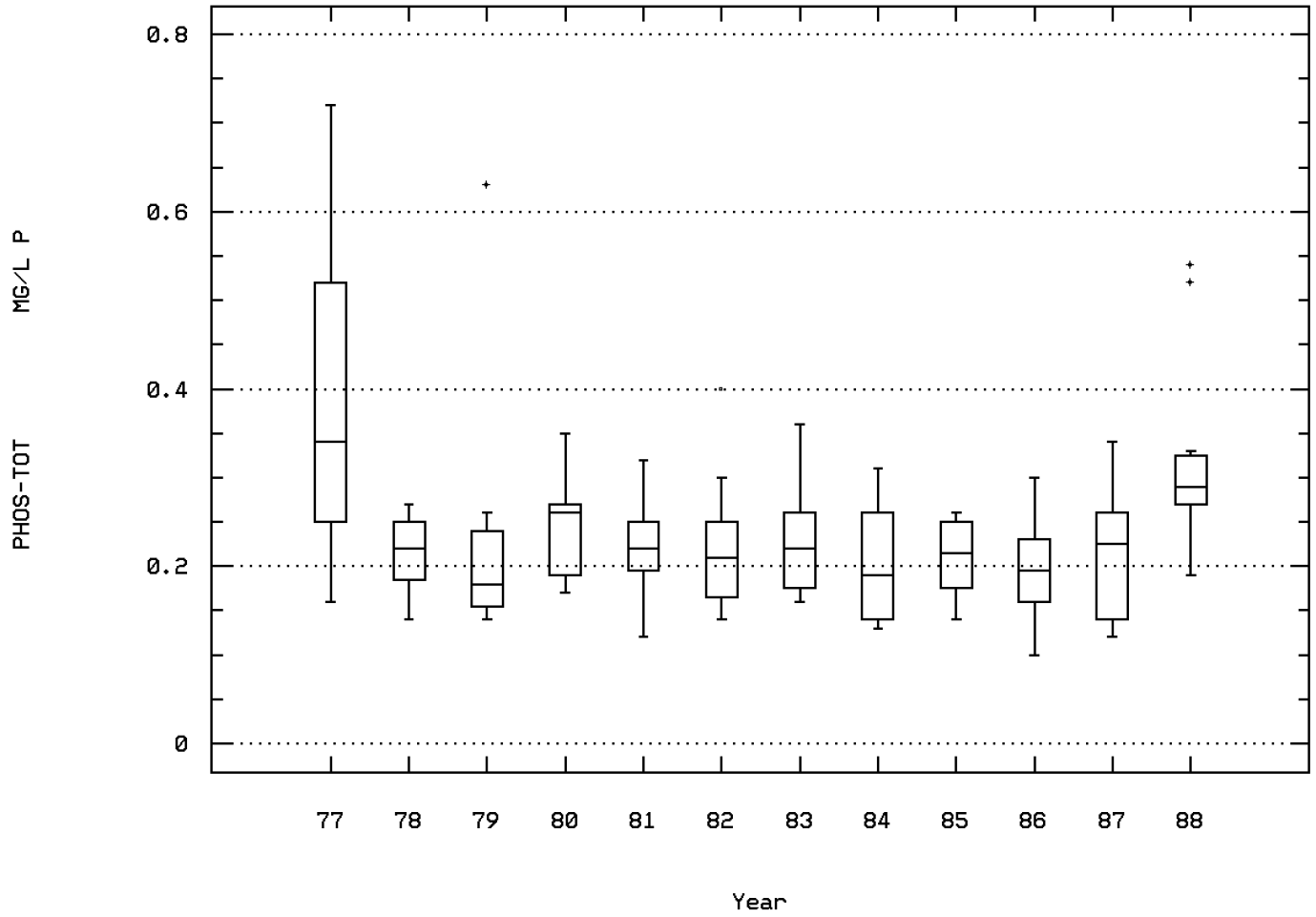
NITRITE PLUS NITRATE, DISS. 1 DET. (MG/



MISS R.LOCK+DAM # 2 HASTINGS,MN.

Station: SACN0444 Parameter Code: 00665

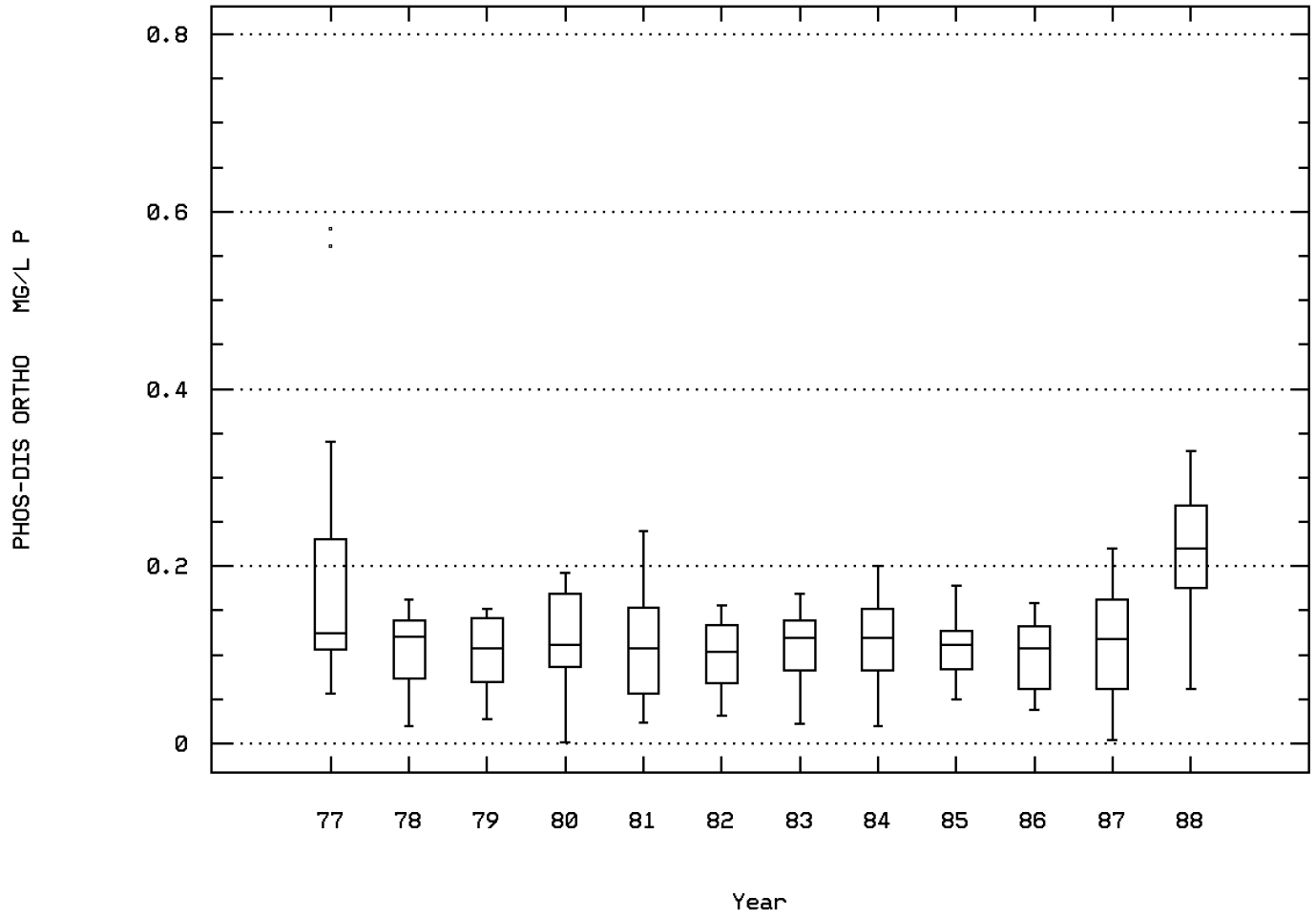
PHOSPHORUS, TOTAL (MG/L AS P)



MISS R.LOCK+DAM # 2 HASTINGS,MN.

Station: SACN0444 Parameter Code: 00671

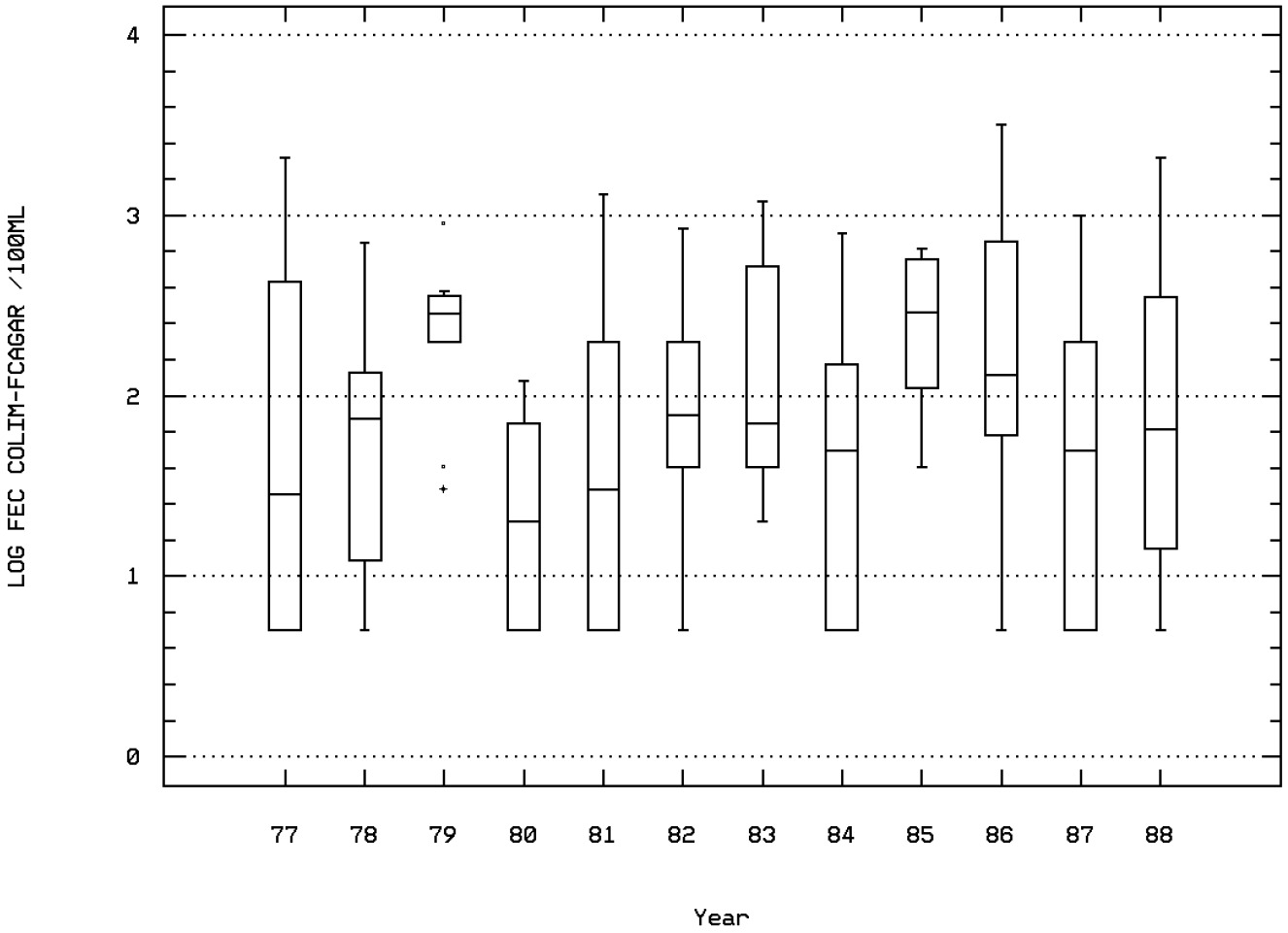
PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (M



MISS R.LOCK+DAM # 2 HASTINGS,MN.

Station: SACN0444 Parameter Code: 31613

LOG FECAL COLIFORM,MEMBR FILTER,M-FC AG



MISS R.LOCK+DAM # 2 HASTINGS,MN.

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	42	13.25	13.362	26.	0.1	41.105	6.411	5.3	8.475	19.25	21.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	38	9800.	12552.632	53000.	1700.	97705803.698	9884.625	3930.	5975.	18050.	23660.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	38	510.5	515.605	700.	340.	6883.813	82.969	419.	449.25	570.	633.
00300	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	42	8.6	8.957	12.5	5.	4.592	2.143	6.4	7.4	10.625	12.2
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	32	4.05	4.175	15.	1.2	5.763	2.401	1.71	2.95	4.825	5.5
00400	PH (STANDARD UNITS)	01/19/77-11/01/88	41	8.	8.046	8.5	7.4	0.071	0.267	7.72	7.825	8.2	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	41	8.	7.96	8.5	7.4	0.079	0.281	7.72	7.825	8.2	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	41	0.01	0.011	0.04	0.003	0.	0.008	0.004	0.006	0.015	0.019
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	38	32.5	36.158	166.	6.	693.812	26.34	12.8	22.75	40.25	64.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	38	0.375	0.42	0.94	0.04	0.084	0.289	0.09	0.138	0.655	0.911
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	24	1.55	1.604	2.4	1.	0.142	0.377	1.15	1.3	1.8	2.25
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	38	1.15	1.503	5.4	0.2	1.333	1.154	0.48	0.775	1.875	2.82
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	38	0.235	0.236	0.4	0.12	0.004	0.065	0.139	0.195	0.273	0.321
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	37	0.11	0.118	0.268	0.027	0.002	0.046	0.067	0.087	0.145	0.175
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	21	23.	21.571	30.	4.	39.557	6.289	14.2	17.	26.5	28.8
01027	CADMIUM, TOTAL (UG/L AS CD)	01/19/77-06/02/86	11	0.3	0.273	0.7	0.1	0.034	0.185	0.1	0.1	0.4	0.64
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/19/77-06/02/86	11 ##	1.5	2.773	8.	1.5	4.918	2.218	1.5	1.5	3.	7.6
01042	COPPER, TOTAL (UG/L AS CU)	01/19/77-06/02/86	11	6.	6.045	13.	1.5	22.223	4.714	1.5	1.5	10.	12.8
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	37	60.	150.811	790.	5.	43247.935	207.961	5.	15.	200.	576.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	37	1.778	1.738	2.898	0.699	0.477	0.69	0.699	1.151	2.301	2.76
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			54.676								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	23	10.	76.087	1000.	0.	43318.083	208.13	5.	5.	40.	178.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	23	1.	1.244	3.	0.	0.452	0.672	0.699	0.699	1.602	2.217
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			17.548								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	37	0.	0.235	1.5	0.	0.201	0.448	0.	0.	0.3	1.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	32	8425.	7892.5	23800.	1000.	22361832.258	4728.83	1660.	4625.	10225.	12000.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	32	624.5	618.688	767.	480.	4735.383	68.814	513.6	582.5	651.5	731.
00300	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	37	11.8	11.384	15.2	2.8	5.156	2.271	9.4	10.15	12.6	13.72
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	27	2.4	2.315	5.3	0.6	1.296	1.138	0.88	1.5	3.1	3.72
00400	PH (STANDARD UNITS)	01/19/77-11/01/88	36	7.8	7.792	8.85	7.01	0.133	0.364	7.385	7.6	7.888	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	36	7.8	7.66	8.85	7.01	0.151	0.388	7.385	7.6	7.887	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	36	0.016	0.022	0.098	0.001	0.	0.019	0.004	0.013	0.025	0.041
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	34	4.	4.235	14.	0.	9.398	3.066	1.	2.	6.25	8.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	34	0.87	1.084	4.3	0.24	0.733	0.856	0.345	0.59	1.3	2.
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	22	1.6	1.564	2.	1.	0.077	0.277	1.2	1.375	1.8	1.97
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	34	1.55	1.903	5.8	0.5	1.658	1.288	0.6	0.975	2.35	3.65
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	34	0.18	0.222	0.71	0.1	0.018	0.134	0.135	0.16	0.238	0.32
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	34	0.134	0.166	0.58	0.056	0.013	0.114	0.079	0.115	0.17	0.259
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	19	24.	25.789	42.	18.	30.953	5.564	19.	22.	28.	34.
01027	CADMIUM, TOTAL (UG/L AS CD)	01/19/77-06/02/86	11	0.4	0.864	4.	0.1	1.409	1.187	0.1	0.1	1.	3.6
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/19/77-06/02/86	11	5.	7.5	21.	1.5	37.4	6.116	1.5	1.5	12.	19.2
01042	COPPER, TOTAL (UG/L AS CU)	01/19/77-06/02/86	11	6.	9.636	26.	1.5	75.155	8.669	1.5	1.5	17.	24.6
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	32	520.	637.344	3200.	5.	561129.007	749.085	5.	22.5	977.5	1890.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	32	2.716	2.259	3.505	0.699	0.882	0.939	0.699	1.195	2.99	3.269
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			181.346								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	21	20.	131.429	900.	5.	47092.857	217.009	5.	5.	195.	442.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	21	1.301	1.532	2.954	0.699	0.624	0.79	0.699	0.699	2.283	2.637
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			34.038								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	22	2.8	3.664	11.5	0.	12.261	3.502	0.	1.	5.5	10.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	21	12000.	21347.619	60000.	4800.	295893619.048	17201.559	5420.	8300.	33100.	51660.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	21	510.	498.	630.	78.	13427.5	115.877	390.	455.	572.5	598.
00300	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	22	11.8	11.495	13.4	9.2	1.567	1.252	9.23	10.85	12.325	13.02
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	11	3.7	3.564	6.5	1.8	2.877	1.696	1.8	1.8	4.6	6.42
00400	PH (STANDARD UNITS)	01/19/77-11/01/88	22	7.8	7.91	8.6	7.5	0.096	0.31	7.53	7.727	8.1	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	22	7.8	7.823	8.6	7.5	0.104	0.323	7.53	7.727	8.1	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	22	0.016	0.015	0.032	0.003	0.	0.009	0.004	0.008	0.019	0.03
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	20	23.5	25.25	65.	4.	346.197	18.606	4.1	7.75	37.75	58.1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	22	0.5	0.722	2.8	0.16	0.361	0.601	0.185	0.318	1.1	1.3
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	15	1.5	1.573	2.1	1.2	0.108	0.328	1.2	1.2	2.	2.04
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	22	1.8	2.345	6.1	0.2	2.835	1.684	0.63	1.	3.425	5.22
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	21	0.22	0.234	0.52	0.12	0.007	0.084	0.144	0.19	0.265	0.33
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	20	0.115	0.125	0.34	0.014	0.006	0.075	0.027	0.077	0.154	0.229
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	14	20.	21.214	35.	13.	57.566	7.587	13.5	14.	28.5	34.5
01027	CADMIUM, TOTAL (UG/L AS CD)	01/19/77-06/02/86	5 ##	0.1	0.24	0.7	0.1	0.068	0.261	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/19/77-06/02/86	5	4.	4.2	10.	1.5	12.075	3.475	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/19/77-06/02/86	5	5.	5.8	12.	1.5	21.575	4.645	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	19	10.	82.632	900.	5.	43453.801	208.456	5.	5.	50.	290.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	19	1.	1.279	2.954	0.699	0.453	0.673	0.699	0.699	1.699	2.462
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			18.989								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	12	30.	45.	150.	5.	2127.273	46.122	5.	5.	77.5	132.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	12	1.452	1.363	2.176	0.699	0.333	0.577	0.699	0.699	1.889	2.11
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			23.066								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0444

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/19/77-11/01/88	51	22.	19.945	28.	6.	28.832	5.37	12.2	15.	24.	26.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/19/77-11/01/88	44	16000.	20372.727	66000.	900.	222469936.575	14915.426	3850.	9750.	28675.	43400.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/15/77-12/06/88	47	541.	547.021	710.	401.	6684.413	81.758	443.6	482.	603.	670.
00300	OXYGEN, DISSOLVED MG/L	01/19/77-11/01/88	51	7.5	7.963	17.8	3.	6.599	2.569	5.48	6.6	8.5	12.
00310	BOD, 5 DAY, 20 DEG C MG/L	01/19/77-12/06/88	35	4.5	5.151	12.	2.5	4.848	2.202	3.22	3.7	5.7	9.08
00400	PH (STANDARD UNITS)	01/19/77-11/01/88	51	8.	8.064	8.8	7.4	0.09	0.299	7.8	7.8	8.3	8.4
00400	CONVERTED PH (STANDARD UNITS)	01/19/77-11/01/88	51	8.	7.972	8.8	7.4	0.098	0.313	7.8	7.8	8.3	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/19/77-11/01/88	51	0.01	0.011	0.04	0.002	0.	0.007	0.004	0.005	0.016	0.016
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/77-12/06/88	48	43.5	49.292	136.	11.	540.934	23.258	26.9	36.	57.75	80.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/19/77-12/06/88	47	0.15	0.261	1.1	0.02	0.067	0.258	0.05	0.11	0.32	0.684
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/09/81-12/06/88	30	1.4	1.487	2.1	1.	0.061	0.247	1.21	1.3	1.6	1.9
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/19/77-12/06/88	47	1.7	1.991	5.1	0.2	1.534	1.238	0.48	1.1	2.8	3.78
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/77-12/06/88	46	0.24	0.267	0.72	0.14	0.015	0.122	0.157	0.18	0.293	0.408
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/19/77-12/06/88	47	0.101	0.106	0.33	0.002	0.005	0.069	0.022	0.054	0.15	0.181
00940	CHLORIDE,TOTAL IN WATER MG/L	03/03/82-12/06/88	27	20.	20.667	56.	12.	102.769	10.138	13.	14.	23.	30.6
01027	CADMIUM, TOTAL (UG/L AS CD)	01/19/77-06/02/86	11 ##	0.1	0.182	0.7	0.1	0.038	0.194	0.1	0.1	0.1	0.64
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/19/77-06/02/86	11 ##	1.5	2.545	5.	1.5	1.723	1.313	1.5	1.5	4.	4.8
01042	COPPER, TOTAL (UG/L AS CU)	01/19/77-06/02/86	11	4.	5.773	15.	1.5	18.318	4.28	1.5	1.5	9.	14.
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/19/77-12/06/88	47	60.	110.	510.	5.	16641.304	129.001	9.	10.	140.	344.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/19/77-12/06/88	47	1.778	1.701	2.708	0.699	0.361	0.601	0.94	1.	2.146	2.536
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			50.202								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/19/77-12/06/88	23	20.	45.	290.	5.	4515.909	67.201	5.	5.	50.	140.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/19/77-12/06/88	23	1.301	1.282	2.462	0.699	0.335	0.579	0.699	0.699	1.699	2.139
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			19.13								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0445

NPS Station ID: SACN0445
LAT/LON: 44.750005/ -92.869727
Agency: 21MINNL
Date Created: 03/17/84
Location: LAKE: REBECCA IN HASTINGS
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/LAKE/TISSUE/BIO
STORET Station ID(s): 19-0003
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07040001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 16.4 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 2.4 M
ECO Region:
RF1 Index: 07040001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 07010206060300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.75
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0445

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	08/02/83-08/02/90	13	2.2	2.408	6.5	0.2	4.307	2.075	0.24	0.4	4.5	5.78
00024	SAMPLE LENGTH IN INCHES	08/02/83-08/02/90	13	17.2	16.415	27.2	6.6	54.671	7.394	6.88	9.	22.2	27.16
34670	PCB - 1260 WET WGTTISMG/KG	08/02/83-08/02/90	8 ##	0.025	0.039	0.19	0.005	0.004	0.062	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	08/02/83-08/02/90	12	1.1	2.058	7.2	0.3	4.486	2.118	0.36	0.8	3.45	6.45
39497	PCB - 1242 IN FISH OR ANIMALS WET WGT UG/KG	08/02/83-08/02/83	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	08/02/83-08/02/90	9 ##	25.	28.778	110.	5.	1077.444	32.824	5.	5.	35.	110.
39515	PCBS (MG/KG) FISH TISSUE MG/KG	08/02/83-08/02/90	12	0.027	0.042	0.19	0.005	0.003	0.054	0.005	0.007	0.036	0.166
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/02/83-08/02/90	13	0.09	0.108	0.35	0.02	0.008	0.09	0.02	0.035	0.145	0.282
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/02/83-08/02/90	13	2.	3.308	10.	1.	8.564	2.926	1.	1.	5.	9.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0446

NPS Station ID: SACN0446
LAT/LON: 44.750005/ -92.869727
Agency: 21MINNQ
Date Created: 09/17/94
Location: LAKE: REBECCA IN HASTINGS
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/LAKE/TISSUE/BIO
STORET Station ID(s): 19-0003
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07040001
Depth of Water: 0
Aquifer:
Major Basin: AREA: 16.4 HECTARE M
Elevation: 0
Water Body Id:
Minor Basin: MEAN DEPTH: - M MAX DEPTH: 2.4 M
ECO Region:
RF1 Index: 07040001
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1:
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0446

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0447

NPS Station ID: SACN0447
LAT/LON: 44.758337/ -92.875005
Agency: 11EPALES
Date Created: / /
Location: MISSISSIPPI RIVER
FIPS State/County: 27000 MINNESOTA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 27A6A1 /LS27A6A1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 0
Aquifer:
Major Basin: O/SPRING LAKE
Elevation: 0
Water Body Id:
Minor Basin: US LOCK & DAM 2 N EDGE OF HASTINGS
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 3.810
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07040001034000.18
RF3 Mile Point: 0.36
Distance from RF3: 0.06
On/Off RF3:
Description:
AT US LOCK AND DAM NO 2 AT N EDGE OF HASTINGS

Parameter Inventory for Station: SACN0447

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/72-09/22/73	10	0.355	0.412	0.97	0.033	0.073	0.269	0.05	0.222	0.597	0.935
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/05/72-09/22/73	10	0.024	0.027	0.062	0.003	0.	0.018	0.004	0.015	0.037	0.061
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/05/72-09/22/73	10	2.1	1.9	2.8	0.21	0.869	0.932	0.218	1.468	2.65	2.8
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/05/72-09/22/73	10	1.923	1.831	2.3	1.26	0.139	0.373	1.266	1.455	2.125	2.29
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/05/72-09/22/73	10	2.11	1.934	2.9	0.24	0.878	0.937	0.248	1.505	2.65	2.89
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/05/72-09/22/73	10	0.251	0.275	0.39	0.19	0.006	0.076	0.192	0.21	0.36	0.39
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/05/72-09/22/73	10	0.131	0.145	0.26	0.052	0.005	0.07	0.054	0.086	0.202	0.258

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0447

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	10	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	10	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0448

NPS Station ID: SACN0448 LAT/LON: 45.531670/ -92.877781 Agency: 21MINN Date Created: 11/30/85
Location: BEAVER CK (CD-3) AT N/S RD BTN S7/8 (T35N,R20W) FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC110 /@SSGWC-0957 /BC-0
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005033 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005136700.00 RF3 Mile Point: 0.01 Distance from RF3: 0.07 On/Off RF3:
Description:
BEAVER CREEK (COUNTY DITCH NO. 3) AT NORTH/SOUTH ROAD BETWEEN SECTIONS 7 AND 8 (T35N,R20W). THE SITE IS 5 MILES EAST NORTHEAST OF NORTH BRANCH, MINNESOTA; ST CROIX BASIN T35N/R20W/S8 CHISAGO COUNTY
WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION CONTROL

Parameter Inventory for Station: SACN0448

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/82-09/01/82	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/01/82-09/01/82	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/82-09/01/82	1	320.	320.	320.	320.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/01/82-09/01/82	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/01/82-09/01/82	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/01/82-09/01/82	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/01/82-09/01/82	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/82-09/01/82	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/01/82-09/01/82	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/01/82-09/01/82	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/82-09/01/82	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/01/82-09/01/82	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/01/82-09/01/82	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/82-09/01/82	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/82-09/01/82	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/82-09/01/82	1	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/82-09/01/82	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/01/82-09/01/82	1	172.	172.	172.	172.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	09/01/82-09/01/82	1	125.	125.	125.	125.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	09/01/82-09/01/82	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/82-09/01/82	1	8.	8.	8.	8.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	1	790.	790.	790.	790.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	1	2.898	2.898	2.898	2.898	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			790.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0448

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0449

NPS Station ID: SACN0449 LAT/LON: 45.531670/ -92.877781 Agency: 21MINNQ Date Created: 09/17/94
Location: BEAVER CK (CD-3) AT N/S RD BTN S7/8 (T35N,R20W) FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC110 /@SSGWC-0957 /BC-0
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005033 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: OFF
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
BEAVER CREEK (COUNTY DITCH NO. 3) AT NORTH/SOUTH ROAD BETWEEN SECTIONS 7 AND 8 (T35N,R20W). THE SITE IS 5 MILES EAST NORTHEAST OF NORTH BRANCH, MINNESOTA; ST CROIX BASIN T35N/R20W/S8 CHISAGO COUNTY
WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION CONTROL

Parameter Inventory for Station: SACN0449

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0450

NPS Station ID: SACN0450
LAT/LON: 44.758337/ -92.878616
Agency: 11EPALES
Date Created: / /
Location: SPRING LAKE
FIPS State/County: 27037 MINNESOTA/DAKOTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 27A602
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07010206
Depth of Water: 20
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07010206001
RF1 Mile Point: 4.080
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07010206071700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.14
On/Off RF3:
Description:
JUST ABOVE LOCK AND DAM NO. 2.
USGS MAP: ST PAUL PARK QUAD.

Parameter Inventory for Station: SACN0450

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/72-11/04/72	6	20.	16.483	23.5	6.1	66.942	8.182	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	09/03/72-11/04/72	4	40.5	40.25	48.	32.	70.917	8.421	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/03/72-11/04/72	2	19.5	19.5	21.	18.	4.5	2.121	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-11/04/72	8	490.	448.125	540.	340.	8156.696	90.314	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/72-11/04/72	6	8.1	8.517	10.6	6.7	3.122	1.767	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/72-11/04/72	8	7.715	7.754	7.9	7.7	0.005	0.073	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/72-11/04/72	8	7.715	7.749	7.9	7.7	0.005	0.074	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/72-11/04/72	8	0.019	0.018	0.02	0.013	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/72-11/04/72	8	177.5	176.5	212.	152.	567.429	23.821	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/72-11/04/72	8	0.405	0.413	0.46	0.39	0.001	0.028	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/72-11/04/72	8	0.955	0.936	1.6	0.46	0.221	0.47	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/72-11/04/72	8	0.242	0.244	0.284	0.197	0.001	0.026	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/28/72-11/04/72	8	0.155	0.164	0.201	0.15	0.	0.02	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0450

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	6	0	0.00	4	0	0.00							2	0	0.00
00400	PH	Other-Hi Lim.	9.	8	0	0.00	6	0	0.00							2	0	0.00
		Other-Lo Lim.	6.5	8	0	0.00	6	0	0.00							2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	6	0	0.00							2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0451

NPS Station ID: SACN0451
LAT/LON: 45.716115/ -92.886392
Agency: 112WRD
Date Created: / /
Location: ROCK CREEK NEAR RUSH CITY, MN
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05339490
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005029
RF1 Mile Point: 1.230
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005003510.05
RF3 Mile Point: 10.17
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0451

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/67-09/05/67	1	21.1	21.1	21.1	21.1	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	09/05/67-09/05/67	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	09/05/67-09/05/67	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/05/67-09/05/67	1	501.	501.	501.	501.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/05/67-09/05/67	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/05/67-09/05/67	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/05/67-09/05/67	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/05/67-09/05/67	1	257.	257.	257.	257.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/05/67-09/05/67	1	314.	314.	314.	314.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/05/67-09/05/67	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/05/67-09/05/67	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/05/67-09/05/67	1	254.	254.	254.	254.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/05/67-09/05/67	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/05/67-09/05/67	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/05/67-09/05/67	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/05/67-09/05/67	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/05/67-09/05/67	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	09/05/67-09/05/67	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/05/67-09/05/67	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/05/67-09/05/67	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/05/67-09/05/67	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/05/67-09/05/67	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/05/67-09/05/67	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/05/67-09/05/67	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/05/67-09/05/67	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/05/67-09/05/67	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/05/67-09/05/67	1	303.	303.	303.	303.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/05/67-09/05/67	1	1.46	1.46	1.46	1.46	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/05/67-09/05/67	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/05/67-09/05/67	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	09/05/67-09/05/67	1	50.	50.	50.	50.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0451

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0452

NPS Station ID: SACN0452 LAT/LON: 45.513615/ -92.886392 Agency: 21MINN Date Created: / /
Location: N BR SUNRISE R AT MN-95, 4 MI E OF NORTH BRANCH FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/NET STORET Station ID(s): 041 /@SSGWJ-0309 /SUN-5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 999 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005034 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 07030005003506.32 RF3 Mile Point: 6.45 Distance from RF3: 0.03 On/Off RF3:
Description:
NORTH BRANCH SUNRISE RIVER AT THE BRIDGE ON MINNESOTA STATE HIGHWAY 95, 4 MILES EAST OF NORTH BRANCH, MINNESOTA;
ST. CROIX RIVER BASIN T35N/R20W/S19 CHISAGO COUNTY SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE
WATER QUALITY MONITORING. PERIOD SAMPLED: 1974-76, 100190-PRESENT.

Parameter Inventory for Station: SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/07/94	42	10.5	10.869	23.	0.	51.367	7.167	0.	4.	17.125	19.5
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/07/74-12/17/75	19	47.	49.895	79.	32.	268.988	16.401	32.	34.	62.	74.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/07/74-06/18/76	25	5.6	6.08	13.	2.2	9.194	3.032	2.84	3.55	8.15	11.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	61	310.	297.197	400.	120.	3859.361	62.124	212.	260.	340.	368.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	10/08/90-09/07/94	36	3.	3.097	8.	0.	3.455	1.859	1.	1.25	4.	5.3
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	60	9.3	9.467	13.9	5.5	4.555	2.134	6.91	7.65	11.375	12.47
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	61	1.4	1.726	8.8	0.25	1.666	1.291	0.62	1.	2.1	3.32
00335	COD, .025N K2CR2O7 MG/L	07/09/74-12/17/75	15	31.	31.	55.	5.	294.857	17.171	7.4	12.	48.	54.4
00400	PH (STANDARD UNITS)	06/07/74-06/18/76	25	7.9	7.832	8.2	7.1	0.088	0.297	7.38	7.6	8.05	8.14
00400	CONVERTED PH (STANDARD UNITS)	06/07/74-06/18/76	25	7.9	7.716	8.2	7.1	0.102	0.32	7.38	7.6	8.05	8.14
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/74-06/18/76	25	0.013	0.019	0.079	0.006	0.	0.018	0.007	0.009	0.025	0.044
00403	PH, LAB, STANDARD UNITS SU	10/08/90-09/07/94	36	8.1	8.067	8.3	7.6	0.016	0.126	7.9	8.	8.175	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	10/08/90-09/07/94	36	8.1	8.046	8.3	7.6	0.016	0.128	7.9	8.	8.175	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/90-09/07/94	36	0.008	0.009	0.025	0.005	0.	0.003	0.006	0.007	0.01	0.013
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/74-06/18/76	25	140.	132.8	180.	71.	816.583	28.576	81.	120.	150.	170.
00500	RESIDUE, TOTAL (MG/L)	06/07/74-06/18/76	25	200.	204.8	300.	130.	1234.333	35.133	158.	185.	230.	244.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/74-09/12/74	3	164.	199.333	270.	164.	3745.333	61.199	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	61	11.	12.459	52.	1.	93.686	9.679	3.	4.5	16.	26.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/09/74-07/09/74	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	60	0.78	0.906	3.8	0.15	0.305	0.552	0.404	0.593	1.1	1.409
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	61	0.1	0.121	0.73	0.01	0.018	0.135	0.01	0.04	0.1	0.328
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/18/76	25	0.03	0.046	0.48	0.005	0.008	0.091	0.01	0.02	0.04	0.054
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/07/74-06/18/76	25	0.85	1.144	2.3	0.28	0.477	0.691	0.336	0.485	1.8	2.18
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/08/90-09/07/94	36	0.83	1.031	3.87	0.4	0.396	0.629	0.534	0.648	1.3	1.683
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/08/90-09/07/94	36	1.4	1.385	2.3	0.45	0.27	0.52	0.64	0.978	1.7	2.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	61	0.1	0.117	0.47	0.005	0.004	0.065	0.068	0.079	0.14	0.192
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/74-06/18/76	19	8.8	9.789	21.	3.	24.235	4.923	4.1	6.	14.	18.
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/09/74-07/29/91	2 ##	0.002	0.002	0.003	0.002	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	07/09/74-07/09/74	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/07/74-10/22/91	28	160.	149.75	190.	81.	774.935	27.838	99.2	140.	170.	180.
00910	CALCIUM (MG/L AS CACO3)	06/07/74-10/22/91	28	110.	105.679	190.	58.	570.3	23.881	72.6	91.	110.	130.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00920	MAGNESIUM (MG/L AS CACO3)	10/02/75-10/22/91	12	54.5	52.25	61.	39.	44.75	6.69	39.9	48.5	56.75	60.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/07/74-06/18/76	25	4.5	6.012	37.	2.6	43.777	6.616	2.76	3.65	5.8	7.72
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/07/74-06/18/76	25	1.6	1.608	3.8	0.5	0.582	0.763	0.5	1.2	1.9	2.64
00940	CHLORIDE,TOTAL IN WATER MG/L	06/07/74-06/18/76	25	8.	7.72	12.	5.	4.377	2.092	5.	6.	9.	10.8
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/74-06/18/76	25	12.	12.84	27.	8.	12.973	3.602	9.2	11.	14.	16.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/07/74-06/18/76	25	0.13	0.174	1.	0.05	0.037	0.191	0.05	0.11	0.145	0.326
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/09/74-07/09/74	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/07/74-04/22/76	9 ##	5.	4.211	5.	0.9	2.526	1.589	0.9	3.5	5.	5.
01007	BARIUM, TOTAL (UG/L AS BA)	07/09/74-07/09/74	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/07/74-10/22/91	26 ##	5.	4.808	5.	0.02	0.954	0.977	5.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/74-10/22/91	3	1.	2.3	5.	0.9	5.47	2.339	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/07/74-10/22/91	27 ##	5.	11.556	190.	0.5	1272.968	35.679	4.3	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	06/07/74-10/22/91	26	775.	830.	2300.	260.	232728.	482.419	317.	432.5	1100.	1600.
01051	LEAD, TOTAL (UG/L AS PB)	06/07/74-10/22/91	27 ##	5.	5.061	15.	0.15	5.218	2.284	4.3	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/74-10/22/91	26	160.	199.346	580.	5.	18025.675	134.26	67.8	130.	240.	398.
01067	NICKEL, TOTAL (UG/L AS NI)	06/07/74-06/18/76	25 ##	5.	5.56	13.	5.	3.84	1.96	5.	5.	5.	7.4
01092	ZINC, TOTAL (UG/L AS ZN)	06/07/74-10/22/91	27	11.	14.13	56.	1.5	166.146	12.89	5.	5.	15.	34.8
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/91-10/22/91	2 ##	260.	260.	370.	150.	24200.	155.563	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	06/07/74-04/22/76	9 ##	1.	0.889	1.	0.5	0.049	0.22	0.5	0.75	1.	1.
01501	ALPHA, TOTAL	07/09/74-07/09/74	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03501	BETA, TOTAL	07/09/74-07/09/74	1	7.	7.	7.	7.	0.	0.	**	**	**	**
03502	BETA, TOTAL, COUNTING ERROR	07/09/74-07/09/74	1	3.	3.	3.	3.	0.	0.	**	**	**	**
30295	PROPACHLOR, WATER, WHOLE, RECOVERABLE, UG/L	05/28/91-07/22/93	9 ##	0.15	0.15	0.15	0.15	0.	0.	0.15	0.15	0.15	0.15
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/07/74-06/18/76	25	790.	3455.6	24000.	130.	35166317.333	5930.12	194.	395.	2300.	14200.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/07/74-06/18/76	25	2.898	3.08	4.38	2.114	0.387	0.622	2.286	2.591	3.361	4.15
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1202.059								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10/08/90-09/07/94	35	120.	215.771	3100.	8.	260974.064	510.856	12.	44.	220.	304.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	10/08/90-09/07/94	35	2.079	1.986	3.491	0.903	0.277	0.526	1.079	1.643	2.342	2.483
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			96.718								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/07/74-06/18/76	25	70.	461.68	5400.	20.	1473782.477	1213.994	27.8	50.	230.	1596.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/07/74-06/18/76	25	1.845	2.058	3.732	1.301	0.363	0.603	1.432	1.699	2.362	3.005
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			114.402								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/21/75-04/22/76	6	80.5	89.167	210.	18.	4615.367	67.936	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/21/75-04/22/76	6	1.906	1.831	2.322	1.255	0.141	0.375	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			67.784								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/74-07/09/74	1	17.	17.	17.	17.	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/07/74-11/29/74	6 ##	0.05	0.065	0.14	0.05	0.001	0.037	**	**	**	**
38578	PROPAZINE, TOTAL, WATER UG/L	05/28/91-07/22/93	9 ##	0.125	0.125	0.125	0.125	0.	0.	0.125	0.125	0.125	0.125
38740	CHLORPYRIFOS-METHYL WATER, TOTUG/L	05/05/92-07/22/93	6 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38787	ETHALFLURALIN WATER, TOTUG/L	05/28/91-07/22/93	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
39056	PROMETONE IN WHOLE WATER (UG/L)	05/28/91-07/22/93	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	05/28/91-07/22/93	9 ##	0.05	0.138	0.84	0.05	0.069	0.263	0.05	0.05	0.05	0.84
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	05/05/92-07/22/93	6 ##	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	05/05/92-07/22/93	6 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/28/91-07/22/93	9 ##	0.025	0.184	1.19	0.025	0.144	0.38	0.025	0.025	0.115	1.19
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	05/28/91-07/29/91	3 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
46313	PHORATE IN WHOLE WATER SAMPLE (UG/L)	05/05/92-07/22/93	6 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
70314	DACONIL(C8CL4N2) IN WATER UG/L	05/28/91-07/29/91	3 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/07/74-04/22/76	9	0.1	0.211	1.1	0.05	0.115	0.339	0.05	0.05	0.2	1.1
75980	ATRAZINE,DE-ISOPROPYL-, WATER, TOTAL UG/L	05/05/92-07/22/93	6 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
75981	ATRAZINE,DE-ETHYL-, WATER, TOTAL UG/L	05/05/92-07/22/93	6 ##	0.25	0.242	0.25	0.2	0.	0.02	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	05/28/91-07/22/93	9 ##	0.025	0.04	0.16	0.025	0.002	0.045	0.025	0.025	0.025	0.16
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/28/91-07/22/93	9 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	05/28/91-07/22/93	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	05/28/91-07/22/93	9 ##	0.05	0.089	0.4	0.05	0.014	0.117	0.05	0.05	0.05	0.4
81894	EPTC (EPTAM) IN WHOLE WATER SAMPLE UG/L	05/05/92-07/20/92	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81906	DESCRIPTION OF SAMPLE	04/22/91-09/07/94	42	270519.5	227137.905	272135.	91044.	5339050981.6	73068.81	92016.6	210553.	271386.75	271896.5
81984	TOTAL SEDIMENT PARTICLE SIZE %COARSER THAN 8.00PHI	05/27/93-07/22/93	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	05/28/91-07/22/93	9 ##	0.075	0.075	0.075	0.075	0.	0.	0.075	0.075	0.075	0.075
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	05/28/91-07/22/93	9 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
82614	DYFONATE (FONOFOS), WATER, TOTAL RECOVERABLE, UG/L	05/28/91-07/22/93	9 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0452

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	25	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	11	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	60	0	0.00	16	0	0.00	9	0	0.00	7	0	0.00	28	0	0.00
00400	PH	Other-Hi Lim.	9.	25	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	11	0	0.00
		Other-Lo Lim.	6.5	25	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	11	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	36	0	0.00	10	0	0.00	4	0	0.00	5	0	0.00	17	0	0.00
		Other-Lo Lim.	6.5	36	0	0.00	10	0	0.00	4	0	0.00	5	0	0.00	17	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	25	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	11	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	25	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	11	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	36	0	0.00	10	0	0.00	4	0	0.00	5	0	0.00	17	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	2	0	0.00										2	0	0.00
		Drinking Water	0.2	2	0	0.00										2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	25	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	11	0	0.00
		Drinking Water	250.	25	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	11	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	25	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	11	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	25	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	11	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	2	0	0.00	2	0	0.00				5	0	0.00
		Drinking Water	50.	9	0	0.00	2	0	0.00	2	0	0.00				5	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00										1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	0	0.00	1	0	0.00									
		Drinking Water	5.	1 &	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00							2	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	27	1	0.04	7	0	0.00	6	0	0.00	2	0	0.00	12	1	0.08
		Drinking Water	1300.	27	0	0.00	7	0	0.00	6	0	0.00	2	0	0.00	12	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	27	0	0.00	7	0	0.00	6	0	0.00	2	0	0.00	12	0	0.00
		Drinking Water	15.	27	1	0.04	7	0	0.00	6	0	0.00	2	0	0.00	12	1	0.08
01067	NICKEL, TOTAL	Fresh Acute	1400.	25	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	11	0	0.00
		Drinking Water	100.	25	0	0.00	6	0	0.00	6	0	0.00	2	0	0.00	11	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	27	0	0.00	7	0	0.00	6	0	0.00	2	0	0.00	12	0	0.00
		Drinking Water	5000.	27	0	0.00	7	0	0.00	6	0	0.00	2	0	0.00	12	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	9	0	0.00	2	0	0.00	2	0	0.00				5	0	0.00
		Drinking Water	50.	9	0	0.00	2	0	0.00	2	0	0.00				5	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	25	11	0.44	6	2	0.33	6	2	0.33	2	1	0.50	11	6	0.55
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	35	10	0.29	10	3	0.30	3	0	0.00	5	0	0.00	17	7	0.41
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	25	8	0.32	6	1	0.17	6	2	0.33	2	0	0.00	11	5	0.45
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	9	0	0.00										9	0	0.00
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	3	0	0.00										3	0	0.00
		Drinking Water	0.2	3	0	0.00										3	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00	2	0	0.00	2	0	0.00				5	0	0.00
		Drinking Water	2.	9	0	0.00	2	0	0.00	2	0	0.00				5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1974 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	7	240.	250.	320.	210.	1466.667	38.297	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	7	7.9	9.014	13.1	6.3	8.588	2.931	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	7	2.2	1.786	3.	0.5	0.798	0.893	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	7	8.	14.	30.	4.	136.	11.662	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	7	1.1	1.006	1.9	0.39	0.309	0.556	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	7	0.09	0.163	0.47	0.07	0.023	0.151	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	12	260.	253.25	320.	150.	3010.386	54.867	159.	214.75	307.5	317.
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	11	9.9	9.827	13.9	6.2	6.23	2.496	6.36	7.	11.4	13.62
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	12	1.8	2.425	8.8	0.5	5.011	2.239	0.53	0.95	2.7	7.36
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	12	9.	10.75	35.	1.	90.75	9.526	1.6	3.25	15.5	29.9
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	11	1.	0.885	1.4	0.15	0.194	0.44	0.15	0.52	1.3	1.38
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	12 ##	0.1	0.208	0.73	0.1	0.047	0.218	0.1	0.1	0.235	0.685
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	12	0.099	0.106	0.2	0.05	0.002	0.045	0.053	0.063	0.14	0.185

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	6	315.	303.333	340.	230.	1586.667	39.833	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	6	10.6	10.283	12.6	7.5	5.682	2.384	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	6	1.8	2.25	4.3	0.7	2.079	1.442	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	6	14.5	14.5	26.	5.	49.9	7.064	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	6	0.68	0.66	0.91	0.44	0.035	0.187	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	6	0.101	0.113	0.197	0.068	0.002	0.047	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	1	310.	310.	310.	310.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	1	0.057	0.057	0.057	0.057	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	9	340.	324.444	360.	260.	1302.778	36.094	260.	295.	350.	360.
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	9	8.2	8.711	11.1	6.9	2.644	1.626	6.9	7.1	10.3	11.1
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	9	1.4	1.378	2.1	0.6	0.222	0.471	0.6	1.	1.75	2.1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	9	11.	13.	32.	3.	83.	9.11	3.	6.	18.5	32.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	9	0.88	1.002	2.04	0.38	0.352	0.593	0.38	0.46	1.525	2.04
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	9	0.02	0.067	0.23	0.01	0.008	0.089	0.01	0.01	0.14	0.23
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	9	0.084	0.088	0.138	0.005	0.001	0.038	0.005	0.078	0.118	0.138

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	9	340.	336.667	400.	280.	1275.	35.707	280.	310.	360.	400.
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	9	9.5	9.944	12.2	7.4	3.213	1.792	7.4	8.25	11.65	12.2
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	9	1.1	1.083	2.	0.25	0.221	0.47	0.25	0.85	1.25	2.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	9	8.	8.222	17.	3.	19.194	4.381	3.	4.5	11.	17.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	9	0.67	0.741	1.41	0.44	0.081	0.285	0.44	0.555	0.83	1.41
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	9	0.02	0.079	0.34	0.01	0.012	0.112	0.01	0.015	0.125	0.34
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	9	0.11	0.11	0.156	0.074	0.001	0.026	0.074	0.086	0.13	0.156

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	9	320.	298.889	370.	120.	5536.111	74.405	120.	280.	345.	370.
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	9	8.2	9.078	12.2	5.5	5.929	2.435	5.5	7.05	11.4	12.2
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	9	1.4	1.733	3.5	0.9	0.748	0.865	0.9	1.1	2.3	3.5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	9	12.	17.333	52.	2.	235.	15.33	2.	6.	25.	52.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	9	0.88	1.207	3.8	0.4	1.088	1.043	0.4	0.56	1.385	3.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	9	0.09	0.139	0.35	0.01	0.012	0.11	0.01	0.065	0.22	0.35
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	9	0.152	0.14	0.231	0.076	0.003	0.053	0.076	0.087	0.179	0.231

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	8	350.	321.25	390.	120.	7469.643	86.427	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	8	8.9	9.475	11.9	7.6	2.396	1.548	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	8	1.35	1.456	3.4	0.25	0.905	0.951	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	8	11.	12.125	25.	4.	42.125	6.49	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	8	0.77	0.795	1.01	0.62	0.019	0.138	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	8	0.05	0.126	0.38	0.02	0.024	0.154	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	8	0.118	0.119	0.174	0.074	0.001	0.036	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/07/94	10	12.75	12.45	23.	2.5	41.414	6.435	2.95	7.	17.625	22.65
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	16	325.	309.313	370.	229.	2056.896	45.353	236.7	272.5	347.5	363.
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	16	9.3	9.575	13.9	6.9	4.009	2.002	6.97	7.975	10.85	12.99
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	16	1.2	1.713	8.8	0.5	3.737	1.933	0.71	1.025	1.625	4.18
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	16	6.5	7.5	16.	1.	26.533	5.151	1.7	3.	12.	16.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	16	0.66	0.939	3.8	0.4	0.649	0.806	0.435	0.538	1.075	2.008
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	16 ##	0.05	0.054	0.1	0.01	0.002	0.04	0.01	0.013	0.1	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	16	0.09	0.092	0.154	0.005	0.001	0.038	0.041	0.071	0.122	0.153

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/07/94	6	0.	1.083	4.	0.	3.042	1.744	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	10	320.	310.	370.	120.	5044.444	71.024	138.	307.5	347.5	370.
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	9	11.4	11.656	13.1	10.2	0.683	0.826	10.2	11.35	12.3	13.1
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	10	0.7	0.95	2.3	0.25	0.442	0.665	0.25	0.513	1.35	2.25
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	10	6.	6.8	14.	3.	13.289	3.645	3.	3.75	10.	13.6
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	10	0.42	0.542	1.01	0.15	0.096	0.31	0.15	0.323	0.825	0.999
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	10 ##	0.165	0.208	0.38	0.1	0.015	0.121	0.1	0.1	0.343	0.377
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	10	0.086	0.093	0.197	0.05	0.002	0.041	0.051	0.067	0.101	0.189

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/07/94	6	3.	3.583	10.	0.	14.642	3.826	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	7	310.	304.286	350.	230.	1628.571	40.356	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	7	12.2	11.971	12.6	11.1	0.332	0.577	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	7	1.4	1.6	3.4	0.5	0.833	0.913	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	7	4.	9.143	25.	3.	73.81	8.591	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	7	0.72	0.766	0.99	0.52	0.029	0.17	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	7	0.18	0.18	0.37	0.02	0.014	0.119	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	7	0.104	0.106	0.174	0.07	0.001	0.035	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0452

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-09/07/94	20	16.	15.2	21.	6.5	18.511	4.302	8.6	10.875	19.	20.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/74-09/07/94	28	300.	283.929	400.	120.	5046.958	71.042	177.	230.	340.	372.
00300	OXYGEN, DISSOLVED MG/L	06/07/74-09/07/94	28	7.9	8.075	11.3	5.5	2.212	1.487	6.29	7.	9.05	10.4
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/74-09/07/94	28	1.85	2.043	4.3	0.7	0.962	0.981	0.79	1.25	2.625	3.73
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/07/74-09/07/94	28	15.5	18.143	52.	5.	109.831	10.48	8.	11.	25.5	32.3
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/74-09/07/94	27	0.88	1.057	2.04	0.44	0.197	0.444	0.514	0.69	1.4	1.828
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/74-09/07/94	28	0.09	0.113	0.73	0.01	0.025	0.159	0.01	0.04	0.1	0.202
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/74-09/07/94	28	0.135	0.143	0.47	0.068	0.006	0.08	0.079	0.094	0.155	0.234

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0453

NPS Station ID: SACN0453 LAT/LON: 45.513615/ -92.886392 Agency: 21MINNQ Date Created: 09/17/94
Location: N BR SUNRISE R AT MN-95, 4 MI E OF NORTH BRANCH FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/NET STORET Station ID(s): 041 /@SSGWJ-0309 /SUN-5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 999 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX RIVER ECO Region:
RF1 Index: 07030005034 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: ON
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
NORTH BRANCH SUNRISE RIVER AT THE BRIDGE ON MINNESOTA STATE HIGHWAY 95, 4 MILES EAST OF NORTH BRANCH, MINNESOTA;
ST. CROIX RIVER BASIN T35N/R20W/S19 CHISAGO COUNTY SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE
WATER QUALITY MONITORING. PERIOD SAMPLED: 1974-76, 100190-PRESENT.

Parameter Inventory for Station: SACN0453

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0454

NPS Station ID: SACN0454 LAT/LON: 45.513338/ -92.892504 Agency: 112WRD Date Created: / /
Location: NORTH BRANCH SUNRISE RIVER NEAR NORTH BRANCH, MN FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 05340170
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 07030005034 RF1 Mile Point: 1.810 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005003000.00 RF3 Mile Point: 1.13 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: SACN0454

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/06/67-09/06/67	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0455

NPS Station ID: SACN0455
LAT/LON: 45.655560/ -92.897781
Agency: 21MINN
Date Created: / /
Location: RUSH CREEK CR-56 BY RUSH CITY
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): SCRU-.5BB-14A67/@SSGWG-0128 /RU-0.5
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX
ECO Region:
RF1 Index: 07030005030
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 07030005001813.20
RF3 Mile Point: 13.56
Distance from RF3: 0.05
On/Off RF3:
Description:
RUSH CREEK, BRIDGE ON CR-56, 4 MILES SOUTHEAST OF RUSH CITY, MINNESOTA; ST. CROIX RIVER BASIN T 36N R 19 W S 6 CHISAGO COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1967-76

Parameter Inventory for Station: SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/26/76-06/14/76	6	5.	7.	19.5	0.	60.3	7.765	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	88	50.	50.227	80.	32.	245.212	15.659	32.	33.	63.75	72.1
00071	TURBIDITY HELLIGE (JACKSON CANDLE UNITS) JCU	06/13/67-12/17/68	14	10.	12.279	33.	3.7	60.031	7.748	4.05	7.95	15.75	27.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	81	5.7	8.238	70.	1.4	76.223	8.731	2.2	3.35	11.	16.6
00080	COLOR (PLATINUM-COBALT UNITS)	06/13/67-10/06/72	43	35.	35.116	100.	5.	343.439	18.532	15.	20.	45.	60.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	94	329.	351.989	830.	130.	12796.484	113.122	220.	280.	420.	505.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	95	9.9	10.058	14.7	6.	4.566	2.137	7.1	8.4	11.7	12.74
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	95	3.3	4.614	30.	0.25	20.176	4.492	1.7	2.6	5.	7.8
00335	COD, .025N K2CR2O7 MG/L	07/09/74-12/17/75	15	34.	37.067	72.	9.	326.067	18.057	12.6	25.	50.	67.2
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	95	7.8	7.782	8.5	6.9	0.08	0.282	7.4	7.6	7.9	8.14
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	95	7.8	7.689	8.5	6.9	0.088	0.297	7.4	7.6	7.9	8.14
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	95	0.016	0.02	0.126	0.003	0.	0.016	0.007	0.013	0.025	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	95	170.	185.747	360.	64.	3579.595	59.83	126.	140.	220.	280.
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	09/24/69-09/24/69	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	76	260.	268.882	600.	130.	4827.066	69.477	207.	222.5	317.5	350.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/13/67-09/21/72	42	99.	104.119	230.	56.	1245.717	35.295	61.3	78.75	120.	140.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/09/74-09/12/74	3	152.	164.667	230.	112.	3601.333	60.011	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	95	13.	18.232	79.	1.	233.095	15.267	3.	6.	28.	41.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/13/67-09/21/72	42	5.	7.214	31.	1.	41.538	6.445	2.	3.	8.	17.1
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/24/69-07/09/74	5	1.5	2.	5.2	0.7	3.415	1.848	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	76	1.25	1.27	4.	0.15	0.522	0.723	0.4	0.732	1.6	2.16
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	95 ##	0.1	0.24	1.6	0.1	0.055	0.236	0.1	0.1	0.32	0.464
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	78	0.02	0.043	0.61	0.005	0.007	0.086	0.01	0.01	0.04	0.062
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	95	0.28	0.354	1.2	0.01	0.071	0.267	0.06	0.16	0.48	0.76
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	95	0.17	0.234	1.59	0.054	0.053	0.23	0.08	0.12	0.25	0.384
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/20/74-06/14/76	19	14.	13.516	23.	7.6	15.197	3.898	9.	10.	15.	20.
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/69-07/09/74	5 ##	0.003	0.009	0.025	0.003	0.	0.01	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	09/24/69-07/09/74	4 ##	0.018	0.025	0.06	0.005	0.001	0.025	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	95	180.	194.211	350.	47.	4007.147	63.302	130.	150.	250.	294.
00910	CALCIUM (MG/L AS CACO3)	09/24/69-06/14/76	55	100.	105.291	180.	33.	1153.358	33.961	73.	82.	130.	158.
00920	MAGNESIUM (MG/L AS CACO3)	09/24/69-06/14/76	13	75.	89.308	180.	50.	1537.564	39.212	51.6	64.	99.5	172.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	54	7.55	8.87	35.	3.	31.28	5.593	4.15	5.45	11.	14.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/24/69-06/14/76	54	3.6	4.333	24.	0.5	11.863	3.444	2.	2.9	4.775	7.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	95	10.	10.784	88.	0.5	95.19	9.757	5.	6.	13.	16.4
00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/69-06/14/76	38	13.	12.645	24.	2.5	12.931	3.596	7.9	11.	14.	17.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	56	0.14	0.176	1.8	0.05	0.052	0.229	0.1	0.1	0.18	0.206
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/24/69-07/09/74	6	13.5	13.967	19.	6.9	21.963	4.686	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/28/70-04/19/76	47 ##	5.	5.021	10.	1.	0.891	0.944	5.	5.	5.	5.
01007	BARIUM, TOTAL (UG/L AS BA)	09/24/69-07/09/74	5 ##	10.	11.2	25.	1.	74.7	8.643	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/24/69-09/21/72	4 ##	27.5	27.5	30.	25.	8.333	2.887	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	81 ##	5.	6.42	40.	5.	39.997	6.324	5.	5.	5.	5.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/24/69-09/29/71	3 ##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/24/69-07/09/74	5 ##	5.	6.	10.	3.	7.	2.646	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	82 ##	5.	8.354	55.	5.	98.034	9.901	5.	5.	5.	16.7
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	80	400.	536.213	2400.	5.	216499.131	465.295	60.7	225.	670.	1100.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	72 ##	5.	11.278	350.	5.	1664.26	40.795	5.	5.	5.	10.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	79	160.	176.557	660.	5.	14942.301	122.239	50.	98.	220.	340.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	82 ##	5.	5.402	16.	5.	3.577	1.891	5.	5.	5.	5.
01077	SILVER, TOTAL (UG/L AS AG)	09/24/69-09/21/72	4 ##	1.	1.875	5.	0.5	4.396	2.097	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	82	14.	26.488	320.	5.	2066.747	45.461	5.	5.	26.25	51.4
01147	SELENIUM, TOTAL (UG/L AS SE)	09/24/69-04/19/76	45 ##	2.5	2.967	5.	0.5	3.63	1.905	1.	1.	5.	5.
01501	ALPHA, TOTAL	09/28/70-07/09/74	5 ##	1.5	1.3	1.5	1.	0.075	0.274	**	**	**	**
03501	BETA, TOTAL	09/28/70-07/09/74	5	10.	8.4	12.	4.	13.3	3.647	**	**	**	**
03502	BETA, TOTAL, COUNTING ERROR	09/28/70-07/09/74	5	3.	2.6	3.	2.	0.3	0.548	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	95	1400.	8688.737	240000.	80.	810581928.175	28470.721	272.	580.	4900.	19000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	95	3.146	3.274	5.38	1.903	0.476	0.69	2.434	2.763	3.69	4.275
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1880.414								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	95	230.	783.263	23000.	10.	6201621.856	2490.306	24.2	79.	700.	1520.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	95	2.362	2.337	4.362	1.	0.449	0.67	1.379	1.898	2.845	3.18
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			217.182								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/24/69-04/19/76	9	170.	233.778	720.	9.	60145.694	245.246	9.	22.5	405.	720.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/24/69-04/19/76	9	2.23	2.013	2.857	0.954	0.477	0.69	0.954	1.343	2.605	2.857
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			102.967								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/24/69-07/09/74	5 ##	5.	4.7	10.	1.	11.7	3.421	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	76 ##	0.05	0.144	0.61	0.05	0.023	0.152	0.05	0.05	0.2	0.409
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/28/70-07/10/73	6 ##	0.013	0.018	0.05	0.005	0.	0.018	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/28/70-09/28/70	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/11/67-09/24/69	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/29/71-09/29/71	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-04/19/76	47	0.1	0.305	4.1	0.05	0.388	0.623	0.05	0.05	0.3	0.72

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0455

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	81	1	0.01	23	0	0.00	19	0	0.00	6	0	0.00	33	1	0.03
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	95	0	0.00	29	0	0.00	22	0	0.00	7	0	0.00	37	0	0.00
00400	PH	Other-Hi Lim.	9.	95	0	0.00	29	0	0.00	22	0	0.00	7	0	0.00	37	0	0.00
		Other-Lo Lim.	6.5	95	0	0.00	29	0	0.00	22	0	0.00	7	0	0.00	37	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	78	0	0.00	25	0	0.00	19	0	0.00	5	0	0.00	29	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	95	0	0.00	29	0	0.00	22	0	0.00	7	0	0.00	37	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	4 &	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	0.2	5	0	0.00	4	0	0.00							1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	95	0	0.00	29	0	0.00	22	0	0.00	7	0	0.00	37	0	0.00
		Drinking Water	250.	95	0	0.00	29	0	0.00	22	0	0.00	7	0	0.00	37	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	38	0	0.00	13	0	0.00	9	0	0.00	3	0	0.00	13	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	56	0	0.00	17	0	0.00	12	0	0.00	5	0	0.00	22	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	47	0	0.00	14	0	0.00	10	0	0.00	3	0	0.00	20	0	0.00
		Drinking Water	50.	47	0	0.00	14	0	0.00	10	0	0.00	3	0	0.00	20	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	5	0	0.00	4	0	0.00							1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4 &	4	1.00	3	3	1.00	1	1	1.00						
		Drinking Water	5.	4 &	4	1.00	3	3	1.00	1	1	1.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: SACN0455

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	4	0	0.00							1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	82	7	0.09	24	1	0.04	19	1	0.05	6	0	0.00	33	5	0.15
		Drinking Water	1300.	82	0	0.00	24	0	0.00	19	0	0.00	6	0	0.00	33	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	72	1	0.01	21	0	0.00	19	1	0.05	6	0	0.00	26	0	0.00
		Drinking Water	15.	72	5	0.07	21	1	0.05	19	2	0.11	6	0	0.00	26	2	0.08
01067	NICKEL, TOTAL	Fresh Acute	1400.	82	0	0.00	24	0	0.00	19	0	0.00	6	0	0.00	33	0	0.00
		Drinking Water	100.	82	0	0.00	24	0	0.00	19	0	0.00	6	0	0.00	33	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	3 &	0	0.00	3	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	82	2	0.02	24	1	0.04	19	0	0.00	6	0	0.00	33	1	0.03
		Drinking Water	5000.	82	0	0.00	24	0	0.00	19	0	0.00	6	0	0.00	33	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	45	0	0.00	13	0	0.00	9	0	0.00	3	0	0.00	20	0	0.00
		Drinking Water	50.	45	0	0.00	13	0	0.00	9	0	0.00	3	0	0.00	20	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	95	61	0.64	29	23	0.79	22	6	0.27	7	6	0.86	37	26	0.70
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	95	50	0.53	29	18	0.62	22	4	0.18	7	6	0.86	37	22	0.59
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	6	0	0.00	3	0	0.00							3	0	0.00
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	1	0	0.00	1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	47	1	0.02	14	0	0.00	10	0	0.00	3	0	0.00	20	1	0.05
		Drinking Water	2.	47	1	0.02	14	0	0.00	10	0	0.00	3	0	0.00	20	1	0.05

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1967 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	4	56.5	54.75	73.	33.	308.25	17.557	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	4	400.	415.	580.	280.	21966.667	148.212	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	4	8.1	8.75	12.8	6.	8.597	2.932	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	4	4.9	4.138	6.5	0.25	8.992	2.999	**	**	**	**
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	4	7.95	7.925	8.5	7.3	0.282	0.532	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	4	7.882	7.701	8.5	7.3	0.349	0.591	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	4	0.013	0.02	0.05	0.003	0.	0.021	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	4	210.	210.	280.	140.	5666.667	75.277	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	4	300.	310.	400.	240.	5466.667	73.937	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	4	11.5	17.5	45.	2.	357.667	18.912	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	4	1.2	1.04	1.4	0.36	0.241	0.491	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	4	0.025	0.023	0.03	0.01	0.	0.01	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	4	0.65	0.65	0.76	0.54	0.008	0.09	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	4	0.165	0.21	0.41	0.1	0.02	0.142	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	4	220.	225.	300.	160.	4966.667	70.475	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	4	7.	14.75	40.	5.	284.25	16.86	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	4	2300.	5387.5	16000.	950.	51420625.	7170.818	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	4	3.293	3.442	4.204	2.978	0.322	0.568	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2765.834								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	4	230.	727.5	2400.	50.	1250425.	1118.224	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	4	2.362	2.451	3.38	1.699	0.482	0.694	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			282.266								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	4 ##	0.05	0.068	0.12	0.05	0.001	0.035	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	10	49.5	51.4	80.	32.	339.378	18.422	32.	32.	70.	79.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	10	334.	359.8	560.	260.	8835.956	94.	261.	300.	425.	551.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	10	10.9	10.15	12.7	6.7	4.709	2.17	6.82	8.125	11.85	12.69
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	10	3.8	8.52	30.	2.	111.995	10.583	2.08	3.175	10.5	29.7
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	10	7.55	7.61	7.9	7.4	0.034	0.185	7.4	7.475	7.75	7.9
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	10	7.547	7.577	7.9	7.4	0.036	0.188	7.4	7.475	7.75	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	10	0.028	0.026	0.04	0.013	0.	0.01	0.013	0.018	0.034	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	10	160.	175.	320.	130.	3405.556	58.357	130.	137.5	185.	311.
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	10	245.	260.	390.	200.	3355.556	57.927	201.	217.5	282.5	383.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	10	9.	13.3	39.	2.	123.567	11.116	2.3	5.75	20.	37.1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	10	1.25	1.179	2.	0.31	0.258	0.508	0.327	0.87	1.525	1.96
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	10 ##	0.15	0.299	1.6	0.1	0.213	0.461	0.1	0.1	0.243	1.465
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	10 ##	0.015	0.028	0.12	0.01	0.001	0.034	0.01	0.01	0.033	0.112
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	10	0.18	0.228	0.76	0.01	0.055	0.234	0.015	0.06	0.305	0.734
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	10	0.155	0.181	0.36	0.11	0.006	0.074	0.111	0.135	0.218	0.348
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	10	175.	189.	320.	130.	3254.444	57.048	131.	147.5	212.5	313.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	10	5.	5.45	12.	0.5	11.692	3.419	0.65	3.5	7.	11.8
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	2 ##	17.5	17.5	30.	5.	312.5	17.678	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	2	260.	260.	370.	150.	24200.	155.563	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	2	30.	30.	30.	30.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	2	50.	50.	60.	40.	200.	14.142	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	2 ##	37.5	37.5	70.	5.	2112.5	45.962	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	10	1500.	6548.	24000.	490.	80666795.556	8981.47	520.	1022.5	11425.	23800.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	10	3.172	3.44	4.38	2.69	0.36	0.6	2.711	3.005	4.009	4.376
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2752.966								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	10	280.	563.	2400.	50.	576801.111	759.474	53.	80.	717.5	2300.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	10	2.44	2.431	3.38	1.699	0.31	0.557	1.719	1.903	2.804	3.357
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			269.53								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	10 ##	0.05	0.08	0.17	0.05	0.002	0.05	0.05	0.05	0.13	0.169

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	12	46.	47.833	68.	32.	190.697	13.809	32.	33.	62.75	66.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	12	4.3	5.983	12.	1.8	12.887	3.59	1.95	3.45	8.825	12.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	12	425.	438.333	830.	240.	26360.606	162.359	252.	310.	512.5	755.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	12	11.	10.85	14.7	8.1	4.93	2.22	8.25	8.725	12.05	14.55
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	12	3.25	4.217	11.	1.8	6.736	2.595	1.95	2.8	5.025	9.89
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	12	7.85	7.867	8.4	7.4	0.084	0.29	7.43	7.625	8.1	8.31
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	12	7.847	7.781	8.4	7.4	0.092	0.304	7.43	7.625	8.1	8.31
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	12	0.014	0.017	0.04	0.004	0.	0.011	0.005	0.008	0.024	0.037
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	12	205.	222.5	360.	120.	5456.818	73.87	129.	162.5	277.5	348.
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	12	265.	300.833	600.	200.	11262.879	106.127	209.	240.	340.	525.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	12	12.	12.667	30.	3.	62.97	7.935	3.	8.	19.	27.3
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	12	1.11	1.224	4.	0.4	0.969	0.985	0.4	0.51	1.375	3.34
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	12 ##	0.1	0.223	0.91	0.1	0.064	0.252	0.1	0.1	0.31	0.781
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	12	0.02	0.026	0.11	0.01	0.001	0.028	0.01	0.01	0.03	0.086
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	12	0.17	0.18	0.36	0.05	0.01	0.1	0.053	0.098	0.233	0.357
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	12	0.165	0.281	1.4	0.08	0.134	0.366	0.086	0.12	0.21	1.118
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	12	230.	235.	350.	120.	4972.727	70.518	135.	172.5	295.	341.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	12	10.5	16.25	88.	2.	533.295	23.093	2.6	7.	12.5	67.9
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	12 ##	5.	7.917	40.	5.	102.083	10.104	5.	5.	5.	29.5
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	12 ##	5.	7.083	20.	5.	20.265	4.502	5.	5.	8.75	17.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	12	195.	281.667	670.	10.	56851.515	238.436	13.	72.5	547.5	637.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	12 ##	5.	5.833	10.	5.	3.788	1.946	5.	5.	5.	10.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	12	105.	150.833	510.	10.	17990.152	134.127	22.	90.	190.	444.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	12 ##	5.	10.	50.	5.	163.636	12.792	5.	5.	10.	38.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	12	1045.	14655.	130000.	230.	1363717790.909	36928.55	260.	502.5	10575.	97600.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	12	3.006	3.307	5.114	2.362	0.709	0.842	2.409	2.701	3.965	4.882
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2028.137								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	12	330.	569.167	2200.	20.	455062.879	674.583	29.	57.5	1022.5	1930.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	12	2.46	2.38	3.342	1.301	0.444	0.666	1.42	1.75	3.005	3.274
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			240.								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	12	0.18	0.229	0.61	0.05	0.039	0.199	0.05	0.05	0.42	0.565

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	9	51.	52.222	76.	32.	290.694	17.05	32.	32.5	68.	76.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	9	2.8	5.889	18.	1.4	33.759	5.81	1.4	2.05	9.4	18.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	9	380.	331.111	530.	130.	19436.111	139.413	130.	170.	415.	530.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	9	10.2	10.222	11.5	8.9	0.967	0.983	8.9	9.25	11.3	11.5
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	9	3.1	4.156	9.4	1.3	6.77	2.602	1.3	2.25	6.2	9.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	9	7.8	7.844	8.3	7.4	0.105	0.324	7.4	7.6	8.2	8.3
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	9	7.8	7.747	8.3	7.4	0.116	0.341	7.4	7.6	8.2	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	9	0.016	0.018	0.04	0.005	0.	0.012	0.005	0.006	0.025	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	9	230.	235.556	320.	160.	3877.778	62.272	160.	175.	305.	320.
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	9	300.	288.889	350.	220.	2511.111	50.111	220.	235.	335.	350.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	9	4.	13.889	45.	1.	243.611	15.608	1.	3.	25.5	45.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	9	0.73	0.947	2.1	0.32	0.429	0.655	0.32	0.445	1.6	2.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	9 ##	0.1	0.212	0.6	0.1	0.033	0.183	0.1	0.1	0.355	0.6
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	9	0.02	0.024	0.05	0.01	0.	0.016	0.01	0.01	0.04	0.05
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	9	0.23	0.282	1.	0.05	0.084	0.289	0.05	0.085	0.32	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	9	0.19	0.202	0.38	0.11	0.007	0.083	0.11	0.14	0.245	0.38
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	9	250.	251.111	330.	170.	3661.111	60.507	170.	185.	310.	330.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	9	12.	11.333	20.	3.	30.75	5.545	3.	6.5	16.	20.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	9 ##	5.	14.778	50.	5.	376.694	19.409	5.	5.	26.5	50.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	9	190.	307.222	940.	5.	112719.444	335.737	5.	55.	550.	940.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	9 ##	5.	5.556	10.	5.	2.778	1.667	5.	5.	5.	10.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	9	90.	121.556	420.	5.	15310.528	123.736	5.	39.5	150.	420.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	9 ##	5.	5.556	10.	5.	2.778	1.667	5.	5.	5.	10.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	9 ##	5.	27.	110.	5.	1644.25	40.549	5.	5.	48.5	110.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	9	1100.	1002.222	3500.	140.	1053769.444	1026.533	140.	245.	1100.	3500.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	9	3.041	2.814	3.544	2.146	0.196	0.442	2.146	2.388	3.041	3.544
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			651.072								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	9	110.	206.667	790.	10.	71000.	266.458	10.	15.	350.	790.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	9	2.041	1.909	2.898	1.	0.493	0.702	1.	1.151	2.506	2.898
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			81.114								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	9 ##	0.05	0.159	0.54	0.05	0.04	0.201	0.05	0.05	0.295	0.54

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	9	53.	50.444	64.	32.	181.778	13.482	32.	34.	62.5	64.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	9	5.8	14.867	70.	2.2	486.687	22.061	2.2	3.3	19.	70.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	9	420.	407.778	510.	310.	6894.444	83.033	310.	320.	490.	510.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	9	10.9	10.922	12.6	9.4	1.484	1.218	9.4	9.7	12.1	12.6
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	9	3.2	4.961	17.	0.25	25.099	5.01	0.25	2.	6.4	17.
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	9	7.9	7.833	8.4	7.3	0.14	0.374	7.3	7.45	8.15	8.4
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	9	7.9	7.697	8.4	7.3	0.161	0.401	7.3	7.45	8.15	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	9	0.013	0.02	0.05	0.004	0.	0.016	0.004	0.007	0.036	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	9	190.	200.	270.	140.	2450.	49.497	140.	155.	250.	270.
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	6	295.	285.	340.	220.	2750.	52.44	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	9	17.	22.556	52.	4.	344.028	18.548	4.	6.	39.5	52.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	6	1.8	1.945	3.5	0.72	1.451	1.204	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	9	0.29	0.254	0.46	0.1	0.017	0.129	0.1	0.1	0.345	0.46
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	6	0.03	0.032	0.06	0.01	0.	0.017	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	9	0.28	0.262	0.4	0.09	0.011	0.104	0.09	0.185	0.345	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	9	0.28	0.342	0.95	0.08	0.08	0.283	0.08	0.135	0.495	0.95
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	9	190.	213.333	290.	150.	2475.	49.749	150.	170.	255.	290.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	3	19.	21.667	35.	11.	149.333	12.22	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	9	7.	9.556	27.	5.	50.028	7.073	5.	5.	11.5	27.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	3	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	9 ##	5.	11.222	55.	5.	273.444	16.536	5.	5.	8.	55.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	7	470.	517.857	1200.	45.	159298.81	399.123	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	3 ##	5.	11.333	24.	5.	120.333	10.97	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	6	150.	171.5	280.	69.	6897.5	83.051	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	9	26.	67.222	320.	5.	9968.694	99.843	5.	16.	81.	320.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	9	1400.	2432.222	9200.	330.	7428644.444	2725.554	330.	780.	2950.	9200.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	9	3.146	3.19	3.964	2.519	0.193	0.439	2.519	2.852	3.462	3.964
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1550.095								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	9	230.	424.444	1300.	40.	185152.778	430.294	40.	80.	745.	1300.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	9	2.362	2.382	3.114	1.602	0.277	0.527	1.602	1.903	2.871	3.114
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			240.838								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	9 ##	0.05	0.158	0.54	0.05	0.046	0.214	0.05	0.05	0.29	0.54

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	9	58.	58.111	72.	32.	221.111	14.87	32.	45.	71.5	72.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	9	6.8	10.711	20.	2.3	43.549	6.599	2.3	5.85	18.	20.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	9	280.	284.444	380.	210.	2002.778	44.752	210.	270.	300.	380.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	9	8.2	8.467	11.8	6.8	2.785	1.669	6.8	7.05	9.65	11.8
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	9	4.2	4.111	6.7	2.6	1.299	1.14	2.6	3.35	4.3	6.7
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	9	7.7	7.7	8.	7.3	0.045	0.212	7.3	7.6	7.9	8.
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	9	7.7	7.652	8.	7.3	0.048	0.218	7.3	7.6	7.9	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	9	0.02	0.022	0.05	0.01	0.	0.012	0.01	0.013	0.025	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	9	150.	151.111	190.	120.	386.111	19.65	120.	140.	160.	190.
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	9	25.	33.444	79.	4.	529.028	23.001	4.	15.5	48.	79.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	9 ##	0.1	0.188	0.46	0.1	0.016	0.128	0.1	0.1	0.265	0.46
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	9	0.16	0.225	0.58	0.025	0.031	0.175	0.025	0.125	0.35	0.58
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	9	0.25	0.267	0.39	0.06	0.009	0.096	0.06	0.245	0.35	0.39
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	9	150.	148.111	240.	83.	2069.611	45.493	83.	115.	170.	240.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	9	8.	7.778	14.	3.	15.694	3.962	3.	4.	11.	14.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	9	8.	8.889	16.	5.	13.361	3.655	5.	6.	11.5	16.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	9	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	8 ##	5.	8.5	33.	5.	98.	9.899	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	9 ##	5.	13.667	42.	5.	159.	12.61	5.	5.	20.	42.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	9	610.	865.556	2400.	150.	525777.778	725.105	150.	410.	1285.	2400.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	5 ##	5.	74.	350.	5.	23805.	154.289	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	9	170.	174.444	350.	110.	5527.778	74.349	110.	120.	195.	350.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	9	22.	30.667	85.	5.	597.75	24.449	5.	15.	45.	85.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	9	4900.	9968.889	49000.	220.	227626211.111	15087.286	220.	2900.	10450.	49000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	9	3.69	3.657	4.69	2.342	0.398	0.631	2.342	3.453	4.006	4.69
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			4543.649								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	9	790.	1466.667	7000.	70.	4641375.	2154.385	70.	330.	1700.	7000.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	9	2.898	2.853	3.845	1.845	0.317	0.563	1.845	2.519	3.23	3.845
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			712.228								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	9 ##	0.05	0.096	0.22	0.05	0.005	0.071	0.05	0.05	0.17	0.22

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	12	44.5	49.083	75.	32.	271.356	16.473	32.	33.5	65.75	74.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	12	4.85	7.092	17.	1.8	23.999	4.899	1.89	3.2	11.375	15.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	11	310.	316.364	470.	170.	8025.455	89.585	174.	270.	380.	460.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	12	10.	10.167	13.5	7.1	4.013	2.003	7.19	8.425	11.55	13.29
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	12	3.3	5.217	13.	1.9	14.376	3.792	1.99	2.825	7.325	12.7
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	12	7.8	7.8	8.2	7.5	0.042	0.204	7.5	7.625	7.9	8.14
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	12	7.8	7.757	8.2	7.5	0.044	0.209	7.5	7.625	7.9	8.14
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	12	0.016	0.017	0.032	0.006	0.	0.008	0.007	0.013	0.024	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	12	170.	166.167	230.	64.	1914.515	43.755	83.8	142.5	190.	227.
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	4	260.	255.	280.	220.	700.	26.458	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	12	12.	16.417	42.	2.	205.902	14.349	2.	3.25	24.25	42.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	5	1.7	1.72	2.4	1.2	0.217	0.466	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	12	0.205	0.259	0.79	0.1	0.044	0.209	0.1	0.1	0.38	0.691
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	5	0.02	0.02	0.03	0.01	0.	0.01	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	12	0.325	0.348	0.78	0.1	0.042	0.206	0.103	0.16	0.47	0.723
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	12	0.16	0.209	0.5	0.07	0.015	0.124	0.073	0.123	0.273	0.458
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	12	165.	165.	260.	47.	3536.182	59.466	57.8	145.	190.	257.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	10	9.5	11.3	26.	5.	40.233	6.343	5.1	6.	14.5	25.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	12	9.5	9.917	19.	5.	17.538	4.188	5.	7.	13.	17.5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	12	0.11	0.131	0.2	0.05	0.002	0.049	0.065	0.1	0.18	0.2
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	12 ##	5.	7.25	32.	5.	60.75	7.794	5.	5.	5.	23.9
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	12 ##	5.	6.	17.	5.	12.	3.464	5.	5.	5.	13.4
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	12	380.	482.25	1100.	10.	132409.841	363.882	27.1	242.5	795.	1100.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	12 ##	5.	5.667	13.	5.	5.333	2.309	5.	5.	5.	10.6
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	12	170.	167.25	280.	40.	4754.386	68.952	54.1	107.5	220.	268.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	12 ##	5.	5.917	16.	5.	10.083	3.175	5.	5.	5.	12.7
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	12	16.	17.917	40.	5.	145.356	12.056	5.	6.25	28.5	38.8
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	12	1550.	8538.333	35000.	490.	164030433.333	12807.437	580.	790.	14725.	34400.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	12	3.188	3.453	4.544	2.69	0.444	0.666	2.752	2.898	4.147	4.536
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2839.479								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	12	170.	2423.333	23000.	50.	42807042.424	6542.709	59.	95.	767.5	17090.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	12	2.23	2.54	4.362	1.699	0.6	0.774	1.76	1.976	2.884	4.109
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			347.116								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	12 ##	0.12	0.181	0.4	0.05	0.021	0.145	0.05	0.05	0.325	0.385

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	11	45.	46.455	77.	32.	242.273	15.565	32.	32.	60.	73.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	12	5.	6.108	12.	1.9	13.301	3.647	2.14	2.85	9.875	11.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	12	325.	340.	530.	210.	8909.091	94.388	210.	272.5	407.5	500.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	12	9.25	9.658	14.6	7.1	5.632	2.373	7.13	7.95	10.45	14.33
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	12	2.95	3.733	13.	0.7	10.417	3.228	1.	1.875	4.65	10.78
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	12	7.8	7.725	8.1	6.9	0.098	0.314	7.08	7.6	7.9	8.07
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	12	7.8	7.581	8.1	6.9	0.121	0.348	7.08	7.6	7.9	8.07
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	12	0.016	0.026	0.126	0.008	0.001	0.032	0.009	0.013	0.025	0.098
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	12	155.	169.167	280.	110.	3062.879	55.343	113.	120.	215.	268.
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	12	240.	251.667	350.	130.	4287.879	65.482	145.	212.5	307.5	347.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	12	17.	19.083	40.	3.	167.174	12.93	3.6	6.	31.75	38.8
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	12	1.25	1.36	2.5	0.54	0.413	0.643	0.585	0.722	1.85	2.44
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	12 ##	0.1	0.228	0.97	0.1	0.065	0.255	0.1	0.1	0.298	0.796
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	12	0.03	0.07	0.49	0.005	0.018	0.134	0.007	0.02	0.05	0.367
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	12	0.44	0.564	1.1	0.05	0.104	0.322	0.119	0.37	0.91	1.07
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	12	0.155	0.197	0.57	0.1	0.018	0.134	0.103	0.11	0.228	0.495
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	12	155.	175.833	310.	120.	3208.333	56.642	123.	132.5	210.	289.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	12	7.6	7.942	15.	3.4	11.637	3.411	3.46	5.45	10.6	13.8
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	12	11.	11.833	18.	9.	6.879	2.623	9.	10.	13.	17.1
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	12	0.15	0.15	0.19	0.1	0.001	0.029	0.106	0.13	0.178	0.19
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	12	635.	735.	1800.	200.	308681.818	555.591	215.	280.	955.	1800.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	12 ##	5.	6.25	20.	5.	18.75	4.33	5.	5.	5.	15.5
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	12	190.	227.583	590.	75.	23809.356	154.303	81.9	101.	320.	539.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	12 ##	5.	5.5	11.	5.	3.	1.732	5.	5.	5.	9.2
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	12	14.	18.167	45.	5.	205.061	14.32	5.	5.	30.75	42.3
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	12	2145.	23020.833	240000.	80.	4689168662.879	68477.505	95.	250.	5400.	172800.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	12	3.221	3.239	5.38	1.903	0.981	0.99	1.966	2.345	3.732	5.027
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1734.532								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	12	165.	547.833	3500.	11.	949677.606	974.514	13.7	37.25	715.	2687.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	12	2.192	2.209	3.544	1.041	0.572	0.757	1.119	1.564	2.846	3.35
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			161.825								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	11 ##	0.05	0.11	0.35	0.05	0.012	0.108	0.05	0.05	0.2	0.332

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	12	42.5	47.167	73.	32.	295.97	17.204	32.	32.	68.25	73.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	12	6.05	7.117	14.	2.7	12.563	3.544	2.94	4.15	10.	13.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	12	314.5	314.917	540.	170.	10680.992	103.349	188.	230.	385.	507.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	12	10.55	10.225	14.4	6.	6.884	2.624	6.3	7.45	12.325	13.86
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	12	2.85	2.829	5.9	0.25	2.777	1.666	0.505	1.4	3.875	5.66
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	12	7.9	7.783	8.1	7.2	0.071	0.266	7.29	7.55	7.9	8.1
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	12	7.9	7.697	8.1	7.2	0.079	0.281	7.29	7.55	7.9	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	12	0.013	0.02	0.063	0.008	0.	0.016	0.008	0.013	0.029	0.054
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	12	160.	174.333	300.	72.	4170.788	64.582	86.4	132.5	200.	294.
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	12	222.5	242.917	400.	130.	5702.083	75.512	145.	202.5	282.5	388.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	12	9.5	14.5	40.	4.	130.636	11.43	4.6	6.25	25.	36.4
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	11	1.3	1.106	1.8	0.15	0.303	0.551	0.182	0.51	1.4	1.78
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	12 ##	0.15	0.247	0.72	0.1	0.039	0.198	0.1	0.1	0.38	0.642
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	12	0.03	0.087	0.61	0.02	0.028	0.167	0.02	0.02	0.073	0.454
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	12	0.49	0.51	1.2	0.05	0.114	0.338	0.08	0.188	0.77	1.086
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	12	0.12	0.143	0.3	0.064	0.007	0.081	0.065	0.073	0.22	0.288
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	12	175.	178.083	280.	87.	3318.629	57.608	96.9	135.	212.5	277.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	12	6.1	6.275	8.9	4.3	2.133	1.46	4.3	5.3	7.	8.84
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	12	9.5	10.083	16.	5.	14.083	3.753	5.	6.5	13.	15.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	12	0.175	0.325	1.8	0.05	0.223	0.472	0.077	0.153	0.28	1.374
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	11 ##	5.	6.	11.	5.	5.	2.236	5.	5.	5.	10.8
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	11	400.	573.636	1900.	200.	221125.455	470.24	208.	330.	650.	1670.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	11	170.	221.455	660.	45.	30336.273	174.173	46.2	110.	310.	596.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	11 ##	5.	6.	16.	5.	11.	3.317	5.	5.	5.	13.8
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	11 ##	5.	30.364	220.	5.	4024.455	63.439	5.	5.	23.	181.4
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	12	1200.	2576.667	16000.	280.	19760533.333	4445.282	295.	445.	1700.	12820.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	12	3.078	3.074	4.204	2.447	0.258	0.508	2.469	2.648	3.23	4.063
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1185.277								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	12	130.	262.083	790.	20.	72383.538	269.042	22.1	54.25	450.	763.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	12	2.114	2.155	2.898	1.301	0.292	0.54	1.34	1.729	2.647	2.882
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			142.976								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	6	14.	11.417	18.	2.9	37.706	6.14	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	6	320.	336.667	440.	280.	3946.667	62.823	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	6	11.	10.283	12.8	6.2	7.234	2.69	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	6	4.6	4.267	5.3	2.4	1.131	1.063	**	**	**	**
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	6	7.9	7.833	8.	7.6	0.023	0.151	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	6	7.9	7.81	8.	7.6	0.023	0.153	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	6	0.013	0.015	0.025	0.01	0.	0.006	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	6	155.	165.	240.	130.	1550.	39.37	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	6	245.	243.333	280.	210.	866.667	29.439	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	6	27.5	24.667	43.	6.	211.467	14.542	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	6	1.35	1.272	1.7	0.74	0.171	0.414	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	6	0.365	0.337	0.62	0.1	0.046	0.214	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	6	0.025	0.03	0.06	0.01	0.	0.018	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	6	0.425	0.437	0.74	0.21	0.039	0.196	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	6	0.168	0.39	1.59	0.054	0.349	0.591	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	6	180.	183.333	250.	140.	1546.667	39.328	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	6	5.8	6.883	12.	4.5	7.81	2.795	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	6	10.	11.	22.	6.	32.8	5.727	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	6	0.13	0.13	0.17	0.1	0.001	0.028	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	6	645.	650.	1100.	340.	68800.	262.298	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	6	200.	195.167	290.	81.	4944.167	70.315	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	6	14.5	14.333	25.	5.	69.467	8.335	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	6	2145.	5380.	24000.	140.	85519960.	9247.7	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	6	3.221	3.176	4.38	2.146	0.652	0.807	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1499.783								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	6	175.	226.833	490.	14.	48332.967	219.848	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	6	2.211	2.03	2.69	1.146	0.483	0.695	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			107.093								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 11/30 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	29	50.	49.241	73.	32.	135.261	11.63	32.	40.	58.5	63.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	23	4.5	5.074	18.	1.8	12.797	3.577	1.94	2.3	6.3	9.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	29	390.	403.759	830.	260.	15623.261	124.993	270.	310.	485.	530.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	29	10.2	10.714	14.7	6.	5.232	2.287	8.1	8.75	12.35	14.4
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	29	2.9	4.283	27.	0.7	25.467	5.047	1.3	2.05	4.	11.
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	29	7.9	7.903	8.5	7.2	0.092	0.304	7.3	7.7	8.1	8.2
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	29	7.9	7.789	8.5	7.2	0.106	0.326	7.3	7.7	8.1	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	29	0.013	0.016	0.063	0.003	0.	0.014	0.006	0.008	0.02	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	29	180.	196.207	360.	130.	3131.527	55.96	130.	150.	235.	270.
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	25	270.	282.	600.	130.	7741.667	87.987	206.	225.	325.	364.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	29	10.	12.138	45.	1.	99.266	9.963	2.	3.5	17.	25.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	25	1.1	1.148	4.	0.4	0.548	0.74	0.4	0.68	1.4	1.78
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	29 ##	0.1	0.147	0.33	0.1	0.006	0.076	0.1	0.1	0.2	0.29
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	25	0.02	0.025	0.11	0.01	0.	0.022	0.01	0.01	0.03	0.054
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	29	0.18	0.248	0.76	0.01	0.04	0.2	0.05	0.11	0.38	0.59
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	29	0.16	0.264	1.4	0.068	0.082	0.287	0.1	0.115	0.295	0.63
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	29	190.	211.034	350.	130.	3823.892	61.838	140.	155.	260.	300.
00910	CALCIUM (MG/L AS CACO3)	09/24/69-06/14/76	16	110.	113.625	150.	98.	228.917	15.13	99.4	100.	127.5	136.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	17	10.	12.024	35.	4.3	66.422	8.15	5.1	5.85	15.	27.8
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/24/69-06/14/76	16	3.95	5.65	24.	0.5	30.477	5.521	1.83	3.075	5.	15.6
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	29	10.	14.345	88.	2.	253.448	15.92	5.	8.	13.5	27.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/69-06/14/76	13	12.	12.154	24.	7.	17.474	4.18	7.4	9.5	13.5	20.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	17	0.16	0.162	0.3	0.1	0.004	0.061	0.1	0.1	0.19	0.292
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	23 ##	5.	8.913	40.	5.	108.447	10.414	5.	5.	5.	32.6
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	24 ##	5.	6.125	20.	5.	14.723	3.837	5.	5.	5.	11.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	23	330.	384.565	1700.	10.	151015.711	388.607	30.	140.	480.	928.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	21 ##	5.	6.571	30.	5.	31.857	5.644	5.	5.	5.	11.4
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	23	100.	132.391	420.	10.	9230.885	96.077	33.4	69.	170.	278.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	24 ##	5.	5.708	16.	5.	6.303	2.51	5.	5.	5.	8.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	24 ##	7.5	24.958	220.	5.	2076.737	45.571	5.	5.	25.25	63.5
01147	SELENIUM, TOTAL (UG/L AS SE)	09/24/69-04/19/76	13 ##	5.	3.385	5.	1.	3.548	1.884	1.	1.	5.	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	29	2400.	10060.345	130000.	140.	639220010.591	25282.801	330.	1100.	6650.	33000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	29	3.38	3.419	5.114	2.146	0.446	0.668	2.519	3.041	3.815	4.519
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2625.375								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	29	230.	1413.793	23000.	11.	18909505.17	4348.506	40.	94.5	790.	1700.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	29	2.362	2.447	4.362	1.041	0.516	0.719	1.602	1.97	2.898	3.23
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			279.955								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	26 ##	0.05	0.12	0.54	0.05	0.019	0.136	0.05	0.05	0.17	0.369

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	20	32.	32.15	33.	32.	0.134	0.366	32.	32.	32.	33.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	19	2.9	3.668	14.	1.4	7.362	2.713	1.8	2.3	4.3	5.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	22	405.	425.909	580.	280.	6701.515	81.863	319.	380.	492.5	554.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	22	11.55	11.245	13.7	8.4	2.222	1.491	8.75	9.8	12.425	12.8
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	22	3.05	2.961	9.4	0.25	3.615	1.901	0.25	2.	3.55	4.48
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	22	7.6	7.691	8.2	7.4	0.049	0.222	7.4	7.5	7.9	7.97
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	22	7.6	7.641	8.2	7.4	0.052	0.228	7.4	7.5	7.9	7.97
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	22	0.025	0.023	0.04	0.006	0.	0.01	0.011	0.013	0.032	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	22	235.	238.636	320.	160.	2936.147	54.186	170.	187.5	280.	320.
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	19	340.	316.316	400.	220.	2735.673	52.304	230.	270.	350.	390.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	22	5.5	7.636	40.	2.	63.29	7.956	2.3	4.	8.25	13.7
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	19	0.74	0.829	2.	0.15	0.262	0.512	0.31	0.36	1.2	1.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	22	0.325	0.358	0.91	0.1	0.035	0.188	0.1	0.238	0.46	0.614

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 12/01 to 2/29 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	19	0.02	0.021	0.05	0.005	0.	0.014	0.01	0.01	0.03	0.05
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	22	0.37	0.505	1.1	0.1	0.095	0.309	0.163	0.235	0.765	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	22	0.11	0.136	0.46	0.054	0.01	0.1	0.061	0.078	0.145	0.326
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	22	250.	251.818	320.	160.	2387.013	48.857	176.	210.	302.5	317.
00910	CALCIUM (MG/L AS CACO3)	09/24/69-06/14/76	12	145.	136.583	180.	73.	1409.72	37.546	76.	99.75	170.	180.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	12	9.7	9.233	13.	5.	7.446	2.729	5.27	6.25	11.75	12.7
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/24/69-06/14/76	12	3.55	4.108	9.	2.	4.303	2.074	2.	2.675	5.075	8.34
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	22	11.	11.545	22.	5.	23.403	4.838	5.3	7.75	13.	20.7
00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/69-06/14/76	9	14.	14.778	18.	12.	4.944	2.224	12.	13.	17.	18.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	12	0.175	0.165	0.2	0.1	0.001	0.032	0.106	0.143	0.19	0.2
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	19 ##	5.	6.316	30.	5.	32.895	5.735	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	19 ##	5.	7.211	42.	5.	72.287	8.502	5.	5.	5.	10.
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	19	270.	283.947	580.	5.	24857.164	157.662	10.	200.	370.	560.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	19 ##	5.	24.737	350.	5.	6237.427	78.977	5.	5.	5.	30.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	18	155.	152.278	510.	5.	11495.154	107.215	45.5	79.5	182.5	249.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	19 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	19	15.	21.842	110.	5.	744.474	27.285	5.	5.	25.	70.
01147	SELENIUM, TOTAL (UG/L AS SE)	09/24/69-04/19/76	9 ##	1.5	2.278	5.	0.5	2.819	1.679	0.5	1.	3.75	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	22	640.	1757.727	22000.	80.	20998723.16	4582.436	185.	317.5	1175.	2960.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	22	2.794	2.816	4.342	1.903	0.257	0.507	2.264	2.501	3.068	3.45
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			654.866								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	22	75.	170.909	1400.	10.	93324.182	305.49	11.2	25.25	140.	490.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	22	1.874	1.861	3.146	1.	0.308	0.555	1.044	1.399	2.143	2.69
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			72.586								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	16	0.18	0.238	0.54	0.05	0.034	0.184	0.05	0.05	0.41	0.533

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	6	36.5	37.	45.	32.	22.	4.69	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	6	9.	8.783	14.	4.1	17.018	4.125	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	6	335.	326.667	430.	170.	8986.667	94.798	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	7	11.9	11.686	12.8	10.3	0.878	0.937	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	7	4.5	6.229	13.	1.1	23.739	4.872	**	**	**	**
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	7	7.7	7.671	7.9	7.5	0.022	0.15	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	7	7.7	7.65	7.9	7.5	0.023	0.151	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	7	0.02	0.022	0.032	0.013	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	7	130.	153.429	300.	64.	5335.619	73.045	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	5	230.	244.	290.	210.	1180.	34.351	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	7	10.	14.714	26.	6.	78.238	8.845	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	5	1.2	1.322	2.5	0.51	0.528	0.727	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	7	0.48	0.687	1.6	0.1	0.24	0.49	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	5	0.02	0.114	0.49	0.01	0.044	0.211	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	7	0.44	0.489	0.98	0.15	0.094	0.306	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	7	0.21	0.297	0.57	0.1	0.033	0.182	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	7	170.	162.429	280.	47.	5037.952	70.979	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	09/24/69-06/14/76	5	86.	84.6	140.	33.	1477.3	38.436	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	4	6.55	8.4	15.	5.5	19.807	4.45	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/24/69-06/14/76	4	5.2	5.5	9.1	2.5	9.54	3.089	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	7	10.	10.857	18.	5.	20.476	4.525	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/69-06/14/76	3	13.	14.333	17.	13.	5.333	2.309	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	5	0.1	0.114	0.22	0.05	0.004	0.063	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	6 ##	5.	5.833	10.	5.	4.167	2.041	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	6	510.	583.333	1100.	220.	111746.667	334.285	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 4/14 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	6 ##	5.	5.833	10.	5.	4.167	2.041	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	6	180.	187.833	310.	87.	5176.167	71.946	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	6	12.	14.667	36.	5.	135.067	11.622	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/24/69-04/19/76	3 ##	5.	3.667	5.	1.	5.333	2.309	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	7	22000.	48598.571	240000.	490.	7274063680.952	85288.122	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	7	4.342	4.114	5.38	2.69	0.789	0.888	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			13001.726								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	7	790.	1127.143	3300.	80.	1398190.476	1182.451	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	7	2.898	2.804	3.519	1.903	0.304	0.551	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			637.149								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	5	0.2	0.198	0.4	0.05	0.023	0.153	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 4/15 to 8/14 - Station SACN0455

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/13/67-12/17/75	33	66.	64.455	80.	40.	98.131	9.906	47.6	60.	72.	75.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/20/69-06/14/76	33	11.	12.976	70.	3.8	132.161	11.496	4.32	7.4	14.5	19.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/67-06/14/76	37	280.	271.568	380.	130.	3496.474	59.131	170.	230.	315.	340.
00300	OXYGEN, DISSOLVED MG/L	06/13/67-06/14/76	37	8.2	8.53	11.6	6.	2.287	1.512	6.78	7.15	9.8	10.58
00310	BOD, 5 DAY, 20 DEG C MG/L	06/13/67-06/14/76	37	4.5	5.551	30.	1.8	23.641	4.862	2.8	3.15	6.	7.8
00400	PH (STANDARD UNITS)	06/13/67-06/14/76	37	7.8	7.762	8.4	6.9	0.084	0.289	7.4	7.6	7.9	8.1
00400	CONVERTED PH (STANDARD UNITS)	06/13/67-06/14/76	37	7.8	7.658	8.4	6.9	0.095	0.308	7.4	7.6	7.9	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/67-06/14/76	37	0.016	0.022	0.126	0.004	0.	0.02	0.008	0.013	0.025	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	37	150.	152.216	290.	72.	1152.841	33.954	120.	140.	160.	190.
00500	RESIDUE, TOTAL (MG/L)	06/13/67-06/14/76	27	230.	227.963	270.	130.	1035.114	32.173	180.	210.	250.	270.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/13/67-06/14/76	37	29.	29.973	79.	6.	238.86	15.455	11.	17.	41.	46.2
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/13/67-06/14/76	27	1.6	1.685	3.5	0.49	0.403	0.635	1.	1.3	1.9	2.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/13/67-06/14/76	37 ##	0.1	0.158	0.72	0.1	0.018	0.136	0.1	0.1	0.1	0.38
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	29	0.03	0.06	0.61	0.01	0.012	0.109	0.02	0.025	0.05	0.09
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/13/67-06/14/76	37	0.28	0.322	1.2	0.025	0.056	0.236	0.06	0.15	0.45	0.596
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/13/67-06/14/76	37	0.22	0.257	1.59	0.1	0.055	0.236	0.13	0.16	0.265	0.344
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/13/67-06/14/76	37	160.	152.784	210.	83.	1040.563	32.258	97.4	130.	180.	192.
00910	CALCIUM (MG/L AS CACO3)	09/24/69-06/14/76	22	83.	86.864	180.	37.	712.314	26.689	58.	76.25	90.5	110.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/24/69-06/14/76	21	6.	6.2	14.	3.	6.627	2.574	3.44	4.15	8.05	8.98
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/24/69-06/14/76	22	3.1	3.286	7.	0.5	1.796	1.34	1.18	2.8	4.	4.76
00940	CHLORIDE,TOTAL IN WATER MG/L	06/13/67-06/14/76	37	7.	7.527	16.	0.5	12.888	3.59	3.8	5.	10.	13.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/69-06/14/76	13	12.	11.269	15.	2.5	11.776	3.432	3.9	11.	13.5	14.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/69-06/14/76	22	0.11	0.205	1.8	0.05	0.131	0.362	0.1	0.1	0.153	0.317
01027	CADMIUM, TOTAL (UG/L AS CD)	11/14/68-06/14/76	33 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	11/14/68-06/14/76	33 ##	5.	11.091	55.	5.	182.835	13.522	5.	5.	10.5	37.6
01045	IRON, TOTAL (UG/L AS FE)	11/14/68-06/14/76	32	665.	786.156	2400.	67.	291111.491	539.547	165.	487.5	927.5	1800.
01051	LEAD, TOTAL (UG/L AS PB)	11/14/68-06/14/76	26 ##	5.	6.5	24.	5.	22.1	4.701	5.	5.	5.	13.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/14/68-06/14/76	32	180.	219.844	660.	40.	20158.846	141.982	90.	120.	280.	399.
01067	NICKEL, TOTAL (UG/L AS NI)	11/14/68-06/14/76	33 ##	5.	5.485	16.	5.	4.32	2.078	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	11/14/68-06/14/76	33	17.	32.424	320.	5.	3221.814	56.761	5.	5.	32.	71.8
01147	SELENIUM, TOTAL (UG/L AS SE)	09/24/69-04/19/76	20 ##	2.	2.9	5.	1.	3.989	1.997	1.	1.	5.	5.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/13/67-06/14/76	37	1700.	4184.324	24000.	130.	33319103.003	5772.27	390.	790.	3500.	16000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/13/67-06/14/76	37	3.23	3.274	4.38	2.114	0.331	0.576	2.579	2.898	3.544	4.204
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1880.038								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	37	330.	588.108	3500.	17.	586706.821	765.968	46.6	80.	700.	1840.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/13/67-06/14/76	37	2.519	2.445	3.544	1.23	0.338	0.581	1.663	1.903	2.845	3.26
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			278.598								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/13/67-11/29/74	29 ##	0.05	0.104	0.61	0.05	0.016	0.128	0.05	0.05	0.085	0.31

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: SACN0456

NPS Station ID: SACN0456
LAT/LON: 45.655560/ -92.897781
Agency: 21MINNQ
Date Created: 09/17/94
Location: RUSH CREEK CR-56 BY RUSH CITY
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM/NET
STORET Station ID(s): SCRU-.5BB-14A67/@SSGWG-0128 /RU-0.5
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin: MAJ BASIN: UPPER MISS
Elevation: 0
Water Body Id:
Minor Basin: MIN BASIN: ST. CROIX
ECO Region:
RF1 Index: 07030005030
RF1 Mile Point: 0.000
Distance from RF1: 20.50
On/Off RF1: ON
RF3 Index: 04010302000100.21
RF3 Mile Point: 1.33
Distance from RF3: 2.01
On/Off RF3:
Description:
RUSH CREEK, BRIDGE ON CR-56, 4 MILES SOUTHEAST OF RUSH CITY, MINNESOTA; ST. CROIX RIVER BASIN T 36N R 19 W S 6 CHISAGO COUNTY
SAMPLED MONTHLY BY THE MINNESOTA POLLUTION CONTROL AGENCY FOR ROUTINE WATER QUALITY MONITORING PERIOD SAMPLED: 1967-76

Parameter Inventory for Station: SACN0456

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0457

NPS Station ID: SACN0457 LAT/LON: 45.526670/ -92.898616 Agency: 21MINN Date Created: 11/30/85
Location: DITCH TO BEAVER CK W OF CR-69 IN T35N/R21W/S12 FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC109 /@SSGWJ-0958 /BC-1D
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005033 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005136700.00 RF3 Mile Point: 0.01 Distance from RF3: 0.00 On/Off RF3:
Description:
DITCH TO BEAVER CREEK JUST WEST OF COUNTY ROAD 69 IN THE SOUTHEAST QUARTER OF SECTION 12 (T35N,R21W). THE SITE IS 4 MILES EAST NORTHEAST OF NORTH BRANCH, MINNESOTA; ST CROIX BASIN T35N/R21W/S12 CHISAGO COUNTY
WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION CONTROL

Parameter Inventory for Station: SACN0457

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/82-09/01/82	1	15.5	15.5	15.5	15.5	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/01/82-09/01/82	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/82-09/01/82	1	350.	350.	350.	350.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/01/82-09/01/82	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/01/82-09/01/82	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/01/82-09/01/82	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/01/82-09/01/82	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/82-09/01/82	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/01/82-09/01/82	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/01/82-09/01/82	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/82-09/01/82	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/01/82-09/01/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/01/82-09/01/82	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/82-09/01/82	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/82-09/01/82	1	0.72	0.72	0.72	0.72	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/82-09/01/82	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/82-09/01/82	1	0.048	0.048	0.048	0.048	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/01/82-09/01/82	1	173.	173.	173.	173.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	09/01/82-09/01/82	1	125.	125.	125.	125.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	09/01/82-09/01/82	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/82-09/01/82	1	8.	8.	8.	8.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	1	170.	170.	170.	170.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	1	2.23	2.23	2.23	2.23	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			170.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0457

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0458

NPS Station ID: SACN0458 | LAT/LON: 45.527781/ -92.898616 | Agency: 21MINNQ | Date Created: 09/17/94
Location: BEAVER CK (CD-3) AT RD BTN S12, 13 (T35N,R21W) | FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): SC108 /@SSGWC-0959 /BC-1.3
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 07030005 | Depth of Water: 0 | Aquifer:
Major Basin: MAJ BASIN: UPPER MISS | Elevation: 0 | Water Body Id:
Minor Basin: MIN BASIN: ST CROIX | ECO Region:
RF1 Index: 07030005033 | RF1 Mile Point: 0.000 | Distance from RF1: 20.50 | On/Off RF1: OFF
RF3 Index: 04010302000100.21 | RF3 Mile Point: 1.33 | Distance from RF3: 2.01 | On/Off RF3:
Description:
BEAVER CREEK (COUNTY DITCH NO. 3) AT GRAVEL ROAD BETWEEN SECTIONS 12 AND 13 (T35N,R21W). THE SITE IS 4 MILES EAST NORTHEAST OF NORTH BRANCH, MINNESOTA; ST CROIX BASIN T35N/R21W/S13 CHISAGO COUNTY
WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION CONTROL

Parameter Inventory for Station: SACN0458

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0459

NPS Station ID: SACN0459 LAT/LON: 45.527781/ -92.898616 Agency: 21MINN Date Created: 11/30/85
Location: BEAVER CK (CD-3) AT RD BTN S12, 13 (T35N,R21W) FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC108 /@SSGWC-0959 /BC-1.3
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005033 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005140500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.14 On/Off RF3:
Description:
BEAVER CREEK (COUNTY DITCH NO. 3) AT GRAVEL ROAD BETWEEN SECTIONS 12 AND 13 (T35N,R21W). THE SITE IS 4 MILES EAST NORTHEAST OF NORTH BRANCH, MINNESOTA; ST CROIX BASIN T35N/R21W/S13 CHISAGO COUNTY
WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION CONTROL

Parameter Inventory for Station: SACN0459

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/82-09/01/82	1	15.5	15.5	15.5	15.5	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/01/82-09/01/82	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/82-09/01/82	1	310.	310.	310.	310.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/01/82-09/01/82	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/01/82-09/01/82	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/01/82-09/01/82	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/01/82-09/01/82	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/82-09/01/82	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/01/82-09/01/82	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/01/82-09/01/82	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/82-09/01/82	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/01/82-09/01/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/01/82-09/01/82	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/82-09/01/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/82-09/01/82	1	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/82-09/01/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/82-09/01/82	1	0.092	0.092	0.092	0.092	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/01/82-09/01/82	1	148.	148.	148.	148.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	09/01/82-09/01/82	1	105.	105.	105.	105.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	09/01/82-09/01/82	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/82-09/01/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	1	230.	230.	230.	230.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	1	2.362	2.362	2.362	2.362	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			230.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0459

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0460

NPS Station ID: SACN0460
LAT/LON: 45.655281/ -92.898616
Agency: 112WRD
Date Created: / /
Location: RUSH CREEK NEAR RUSH CITY, MN
FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 05339720
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 07030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 07030005030
RF1 Mile Point: 1.930
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 07030005002900.00
RF3 Mile Point: 1.50
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: SACN0460

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/05/67-09/05/67	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: SACN0461

NPS Station ID: SACN0461 LAT/LON: 45.526670/ -92.898616 Agency: 21MINNQ Date Created: 09/17/94
Location: DITCH TO BEAVER CK W OF CR-69 IN T35N/R21W/S12 FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC109 /@SSGWJ-0958 /BC-1D
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005033 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: OFF
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
DITCH TO BEAVER CREEK JUST WEST OF COUNTY ROAD 69 IN THE SOUTHEAST QUARTER OF SECTION 12 (T35N,R21W). THE SITE IS 4 MILES EAST NORTHEAST OF NORTH BRANCH, MINNESOTA; ST CROIX BASIN T35N/R21W/S12 CHISAGO COUNTY
WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION CONTROL

Parameter Inventory for Station: SACN0461

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0462

NPS Station ID: SACN0462 LAT/LON: 45.606948/ -92.922226 Agency: 21MINNQ Date Created: 09/17/94
Location: GOOSE CK AT RD BTN S11/14 3 MI NE OF HARRIS FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC105 /@SSGWJ-0422 /GOS-4.9
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005032 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: ON
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
GOOSE CREEK AT GRAVEL ROAD BETWEEN SECTIONS 11 AND 14 (T36N,R21W), 3 MILES NORTHEAST OF HARRIS, MINNESOTA;
ST CROIX BASIN T36N/R21W/S14 CHISAGO COUNTY WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION
CONTROL AGENCY FOR AN ADVANCED TREATMENT SURVEY AT HARRIS. THE SITE IS

Parameter Inventory for Station: SACN0462

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0463

NPS Station ID: SACN0463 LAT/LON: 45.606948/ -92.922226 Agency: 21MINN Date Created: 09/07/85
Location: GOOSE CK AT RD BTN S11/14 3 MI NE OF HARRIS FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC105 /@SSGWJ-0422 /GOS-4.9
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005032 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 07030005003212.32 RF3 Mile Point: 12.39 Distance from RF3: 0.03 On/Off RF3:
Description:
GOOSE CREEK AT GRAVEL ROAD BETWEEN SECTIONS 11 AND 14 (T36N,R21W), 3 MILES NORTHEAST OF HARRIS, MINNESOTA;
ST CROIX BASIN T36N/R21W/S14 CHISAGO COUNTY WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION
CONTROL AGENCY FOR AN ADVANCED TREATMENT SURVEY AT HARRIS. THE SITE IS

Parameter Inventory for Station: SACN0463

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/77-06/24/77	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/77-06/24/77	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/77-06/24/77	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/77-06/24/77	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/24/77-06/24/77	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/77-06/24/77	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/77-06/24/77	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/77-06/24/77	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/77-06/24/77	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/24/77-06/24/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/77-06/24/77	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/77-06/24/77	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/77-06/24/77	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/77-06/24/77	1	0.086	0.086	0.086	0.086	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/77-06/24/77	1	184.	184.	184.	184.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	06/24/77-06/24/77	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	06/24/77-06/24/77	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/77-06/24/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/77-06/24/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/77-06/24/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/24/77-06/24/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/24/77-06/24/77	1	510.	510.	510.	510.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/24/77-06/24/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/77-06/24/77	1	77.	77.	77.	77.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/24/77-06/24/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/24/77-06/24/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/24/77-06/24/77	1	230.	230.	230.	230.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/24/77-06/24/77	1	2.362	2.362	2.362	2.362	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			230.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/24/77-06/24/77	1	430.	430.	430.	430.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	06/24/77-06/24/77	1	2.633	2.633	2.633	2.633	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0463

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			430.								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/24/77-06/24/77	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/24/77-06/24/77	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/24/77-06/24/77	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	06/24/77-06/24/77	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0463

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00400	PH	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00										1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00										1	0	0.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00										1	0	0.00
		Drinking Water	15.	1	0	0.00										1	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	1	1.00										1	1	1.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0464

NPS Station ID: SACN0464 LAT/LON: 45.525559/ -92.954170 Agency: 21MINNQ Date Created: 09/17/94
Location: BEAVER CK (CD-3)AT RD BTN S10, S15 (T35N,R21W) FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC107 /@SSGWC-0960 /BC-4
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005033 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: OFF
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
BEAVER CREEK (COUNTY DITCH NO. 3) AT ROAD BETWEEN SECTIONS 10 AND 15 (T35N,R21W). THE SITE IS 1.5 MILES NORTHEAST OF NORTH BRANCH, MINNESOTA; ST CROIX BASIN T35N/R21W/S15 CHISAGO COUNTY
WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION CONTROL

Parameter Inventory for Station: SACN0464

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0465

NPS Station ID: SACN0465 LAT/LON: 45.525559/ -92.954170 Agency: 21MINN Date Created: 11/30/85
Location: BEAVER CK (CD-3)AT RD BTN S10, S15 (T35N,R21W) FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC107 /@SSGWC-0960 /BC-4
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005033 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005137200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
BEAVER CREEK (COUNTY DITCH NO. 3) AT ROAD BETWEEN SECTIONS 10 AND 15 (T35N,R21W). THE SITE IS 1.5 MILES NORTHEAST OF NORTH BRANCH, MINNESOTA; ST CROIX BASIN T35N/R21W/S15 CHISAGO COUNTY
WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION CONTROL

Parameter Inventory for Station: SACN0465

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/82-09/01/82	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/01/82-09/01/82	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/82-09/01/82	1	330.	330.	330.	330.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/01/82-09/01/82	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/01/82-09/01/82	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/01/82-09/01/82	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/01/82-09/01/82	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/82-09/01/82	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/01/82-09/01/82	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/01/82-09/01/82	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/82-09/01/82	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/01/82-09/01/82	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/01/82-09/01/82	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/82-09/01/82	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/82-09/01/82	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/82-09/01/82	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/82-09/01/82	1	0.128	0.128	0.128	0.128	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/01/82-09/01/82	1	155.	155.	155.	155.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	09/01/82-09/01/82	1	111.	111.	111.	111.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	09/01/82-09/01/82	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/82-09/01/82	1	7.	7.	7.	7.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	1	220.	220.	220.	220.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	1	2.342	2.342	2.342	2.342	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			220.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0465

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0466

NPS Station ID: SACN0466 LAT/LON: 45.542781/ -92.956670 Agency: 21MINN Date Created: 11/30/85
Location: BEAVER CK (CD-3) AT RD BTN S3,S10 (T35N,R21W) FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC106 /@SSGWC-0961 /BC-5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005033 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 07030005003202.30 RF3 Mile Point: 6.17 Distance from RF3: 0.31 On/Off RF3:
Description:
BEAVER CREEK (COUNTY DITCH NO. 3) AT ROAD BETWEEN SECTIONS 3 AND 10 (T35N,R21W). THE SITE IS 2.5 MILES NE OF NORTH BRANCH, MINNESOTA; ST CROIX BASIN T35N/R21W/S10 CHISAGO COUNTY WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION CONTROL AGENCY IN RESPONSE TO A CITIZEN COMPLAINT CONCERNING FISH KILLS IN THE

Parameter Inventory for Station: SACN0466

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/82-09/01/82	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/01/82-09/01/82	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/82-09/01/82	1	440.	440.	440.	440.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/01/82-09/01/82	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/01/82-09/01/82	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/01/82-09/01/82	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/01/82-09/01/82	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/82-09/01/82	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/01/82-09/01/82	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/01/82-09/01/82	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/82-09/01/82	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/01/82-09/01/82	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/01/82-09/01/82	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/82-09/01/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/82-09/01/82	1	0.63	0.63	0.63	0.63	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/82-09/01/82	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/82-09/01/82	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/01/82-09/01/82	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	09/01/82-09/01/82	1	145.	145.	145.	145.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	09/01/82-09/01/82	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/82-09/01/82	1	13.	13.	13.	13.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	1	230.	230.	230.	230.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/01/82-09/01/82	1	2.362	2.362	2.362	2.362	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			230.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0466

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	1	1.00	1	1	1.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0467

NPS Station ID: SACN0467 LAT/LON: 45.542781/ -92.956670 Agency: 21MINNQ Date Created: 09/17/94
Location: BEAVER CK (CD-3) AT RD BTN S3,S10 (T35N,R21W) FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC106 /@SSGWC-0961 /BC-5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005033 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: OFF
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
BEAVER CREEK (COUNTY DITCH NO. 3) AT ROAD BETWEEN SECTIONS 3 AND 10 (T35N,R21W). THE SITE IS 2.5 MILES NE OF NORTH BRANCH, MINNESOTA; ST CROIX BASIN T35N/R21W/S10 CHISAGO COUNTY WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION CONTROL AGENCY IN RESPONSE TO A CITIZEN COMPLAINT CONCERNING FISH KILLS IN THE

Parameter Inventory for Station: SACN0467

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: SACN0468

NPS Station ID: SACN0468 LAT/LON: 45.616392/ -92.996393 Agency: 21MINN Date Created: 09/07/85
Location: GOOSE CREEK AT CSAH-9 2 MI NW OF HARRIS FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC104 /@SSGWJ-0423 /GOS-14.1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005032 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 07030005113900.00 RF3 Mile Point: 1.73 Distance from RF3: 0.14 On/Off RF3:
Description:
GOOSE CREEK AT COUNTY STATE AID HIGHWAY 9, 2 MILES NORTHWEST OF HARRIS, MINNESOTA;
ST CROIX BASIN T36N/R21W/S8 CHISAGO COUNTY WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION
CONTROL AGENCY FOR AN ADVANCED TREATMENT SURVEY AT HARRIS. THE SITE IS

Parameter Inventory for Station: SACN0468

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/77-06/24/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/77-06/24/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/77-06/24/77	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/77-06/24/77	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/24/77-06/24/77	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/77-06/24/77	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/77-06/24/77	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/77-06/24/77	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/77-06/24/77	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/24/77-06/24/77	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/77-06/24/77	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/77-06/24/77	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/77-06/24/77	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/77-06/24/77	1	0.105	0.105	0.105	0.105	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/77-06/24/77	1	175.	175.	175.	175.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	06/24/77-06/24/77	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00920	MAGNESIUM (MG/L AS CACO3)	06/24/77-06/24/77	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/77-06/24/77	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/77-06/24/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/77-06/24/77	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/24/77-06/24/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/24/77-06/24/77	1	310.	310.	310.	310.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/24/77-06/24/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/77-06/24/77	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/24/77-06/24/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/24/77-06/24/77	1	13.	13.	13.	13.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/24/77-06/24/77	1	700.	700.	700.	700.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/24/77-06/24/77	1	2.845	2.845	2.845	2.845	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			700.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/24/77-06/24/77	1	410.	410.	410.	410.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	06/24/77-06/24/77	1	2.613	2.613	2.613	2.613	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: SACN0468

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			410.								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/24/77-06/24/77	1	8.	8.	8.	8.	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/24/77-06/24/77	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	06/24/77-06/24/77	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: SACN0468

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00										1	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00										1	0	0.00
00400	PH	Other-Hi Lim.	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00										1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00										1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00										1	0	0.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00										1	0	0.00
		Drinking Water	15.	1	0	0.00										1	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	1	1.00										1	1	1.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: SACN0469

NPS Station ID: SACN0469 LAT/LON: 45.616392/ -92.996393 Agency: 21MINNQ Date Created: 09/17/94
Location: GOOSE CREEK AT CSAH-9 2 MI NW OF HARRIS FIPS State/County: 27025 MINNESOTA/CHISAGO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): SC104 /@SSGWJ-0423 /GOS-14.1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 07030005 Depth of Water: 0 Aquifer:
Major Basin: MAJ BASIN: UPPER MISS Elevation: 0 Water Body Id:
Minor Basin: MIN BASIN: ST CROIX ECO Region:
RF1 Index: 07030005032 RF1 Mile Point: 0.000 Distance from RF1: 20.50 On/Off RF1: ON
RF3 Index: 04010302000100.21 RF3 Mile Point: 1.33 Distance from RF3: 2.01 On/Off RF3:
Description:
GOOSE CREEK AT COUNTY STATE AID HIGHWAY 9, 2 MILES NORTHWEST OF HARRIS, MINNESOTA;
ST CROIX BASIN T36N/R21W/S8 CHISAGO COUNTY WATER QUALITY SAMPLES WERE COLLECTED BY THE MINNESOTA POLLUTION
CONTROL AGENCY FOR AN ADVANCED TREATMENT SURVEY AT HARRIS. THE SITE IS

Parameter Inventory for Station: SACN0469

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

EPA Water Quality Criteria Analysis for Entire SACN Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	203	1	0.00	86	0	0.00	43	0	0.00	28	0	0.00	46	1	0.02
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	985	3	0.00	340	0	0.00	174	1	0.01	85	0	0.00	386	2	0.01
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	10	0	0.00	10	0	0.00									
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	197	95	0.48	22	12	0.55				34	27	0.79	141	56	0.40
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5682	740	0.13	2082	278	0.13	716	42	0.06	432	22	0.05	2452	398	0.16
00400	PH	Other-Hi Lim.	9.	3399	53	0.02	1163	18	0.02	551	2	0.00	373	0	0.00	1312	33	0.03
		Other-Lo Lim.	6.5	3399	194	0.06	1163	72	0.06	551	29	0.05	373	34	0.09	1312	59	0.04
00403	PH, LAB	Other-Hi Lim.	9.	1608	13	0.01	524	1	0.00	190	0	0.00	166	0	0.00	728	12	0.02
		Other-Lo Lim.	6.5	1608	104	0.06	524	34	0.06	190	11	0.06	166	17	0.10	728	42	0.06
00406	PH, FIELD	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	10	6	0.60	10	6	0.60									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	186	0	0.00	53	0	0.00	27	0	0.00	12	0	0.00	94	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	815	0	0.00	276	0	0.00	165	0	0.00	102	0	0.00	272	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	497	1	0.00	140	1	0.01	99	0	0.00	50	0	0.00	208	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	975	0	0.00	337	0	0.00	214	0	0.00	105	0	0.00	319	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1203	1	0.00	451	1	0.00	161	0	0.00	166	0	0.00	425	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	904	1	0.00	290	1	0.00	131	0	0.00	111	0	0.00	372	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	141 &	1	0.01	58	0	0.00	20	0	0.00	5	1	0.20	58	0	0.00
		Drinking Water	0.2	146 &	1	0.01	63	0	0.00	20	0	0.00	5	1	0.20	58	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2269	0	0.00	741	0	0.00	426	0	0.00	275	0	0.00	827	0	0.00
		Drinking Water	250.	2269	0	0.00	741	0	0.00	426	0	0.00	275	0	0.00	827	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	13	0	0.00	11	0	0.00							2	0	0.00
		Drinking Water	250.	13	0	0.00	11	0	0.00							2	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1085	0	0.00	364	0	0.00	222	0	0.00	134	0	0.00	365	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00							2	0	0.00
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	788	0	0.00	251	0	0.00	168	0	0.00	101	0	0.00	268	0	0.00
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	78	1	0.01	21	0	0.00	20	1	0.05	5	0	0.00	32	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	93	0	0.00	27	0	0.00	23	0	0.00	11	0	0.00	32	0	0.00
		Drinking Water	50.	93	0	0.00	27	0	0.00	23	0	0.00	11	0	0.00	32	0	0.00
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	51	0	0.00	14	0	0.00	14	0	0.00	7	0	0.00	16	0	0.00
		Drinking Water	50.	51	0	0.00	14	0	0.00	14	0	0.00	7	0	0.00	16	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	508	0	0.00	176	0	0.00	101	0	0.00	38	0	0.00	193	0	0.00
		Drinking Water	50.	508	1	0.00	176	0	0.00	101	1	0.01	38	0	0.00	193	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	88	0	0.00	26	0	0.00	22	0	0.00	9	0	0.00	31	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	62	0	0.00	14	0	0.00	17	0	0.00	6	0	0.00	25	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	153	0	0.00	73	0	0.00	27	0	0.00	7	0	0.00	46	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	24	0	0.00	11	0	0.00	4	0	0.00	3	0	0.00	6	0	0.00
		Drinking Water	4.	21 &	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	38	0	0.00	17	0	0.00	7	0	0.00	1	0	0.00	13	0	0.00
		Drinking Water	4.	26 &	7	0.27	6	1	0.17	7	3	0.43	1	0	0.00	12	3	0.25
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	92 &	9	0.10	27	1	0.04	23	4	0.17	11	1	0.09	31	3	0.10
		Drinking Water	5.	92 &	6	0.07	27	1	0.04	23	2	0.09	11	1	0.09	31	2	0.06
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	52 &	9	0.17	11	2	0.18	16	2	0.13	5	1	0.20	20	4	0.20
		Drinking Water	5.	56 &	8	0.14	14	2	0.14	16	2	0.13	6	0	0.00	20	4	0.20
01027	CADMIUM, TOTAL	Fresh Acute	3.9	262 &	40	0.15	103	12	0.12	49	10	0.20	17	3	0.18	93	15	0.16
		Drinking Water	5.	262 &	34	0.13	103	12	0.12	49	6	0.12	17	3	0.18	93	13	0.14
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	92	0	0.00	26	0	0.00	23	0	0.00	11	0	0.00	32	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	69	0	0.00	17	0	0.00	18	0	0.00	8	0	0.00	26	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	22	0	0.00	19	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	100.	22	0	0.00	19	0	0.00	2	0	0.00				1	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	302	0	0.00	128	0	0.00	52	0	0.00	19	0	0.00	103	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	169	2	0.01	48	2	0.04	31	0	0.00	19	0	0.00	71	0	0.00
		Drinking Water	1300.	169	0	0.00	48	0	0.00	31	0	0.00	19	0	0.00	71	0	0.00
01041	COPPER, SUSPENDED	Fresh Acute	18.	74	3	0.04	21	2	0.10	19	0	0.00	8	0	0.00	26	1	0.04
		Drinking Water	1300.	74	0	0.00	21	0	0.00	19	0	0.00	8	0	0.00	26	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	728 &	39	0.05	239	11	0.05	157	9	0.06	59	1	0.02	273	18	0.07
		Drinking Water	1300.	733	0	0.00	241	0	0.00	157	0	0.00	59	0	0.00	276	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	166	0	0.00	45	0	0.00	31	0	0.00	19	0	0.00	71	0	0.00
		Drinking Water	15.	166	18	0.11	45	0	0.00	31	6	0.19	19	2	0.11	71	10	0.14
01050	LEAD, SUSPENDED	Fresh Acute	82.	70	5	0.07	18	3	0.17	18	0	0.00	8	0	0.00	26	2	0.08
		Drinking Water	15.	55 &	15	0.27	14	5	0.36	15	4	0.27	6	0	0.00	20	6	0.30

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire SACN Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	645 &	6	0.01	209	3	0.01	150	2	0.01	52	0	0.00	234	1	0.00
		Drinking Water	15.	641 &	65	0.10	207	20	0.10	150	17	0.11	52	4	0.08	232	24	0.10
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	79	0	0.00	23	0	0.00	20	0	0.00	8	0	0.00	28	0	0.00
		Drinking Water	100.	79	0	0.00	23	0	0.00	20	0	0.00	8	0	0.00	28	0	0.00
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	55	0	0.00	14	0	0.00	15	0	0.00	4	0	0.00	22	0	0.00
		Drinking Water	100.	55	0	0.00	14	0	0.00	15	0	0.00	4	0	0.00	22	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	616	0	0.00	205	0	0.00	134	0	0.00	47	0	0.00	230	0	0.00
		Drinking Water	100.	616	2	0.00	205	1	0.00	134	0	0.00	47	0	0.00	230	1	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	86	0	0.00	24	0	0.00	22	0	0.00	9	0	0.00	31	0	0.00
		Drinking Water	100.	86	0	0.00	24	0	0.00	22	0	0.00	9	0	0.00	31	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	44 &	1	0.02	10	1	0.10	14	0	0.00	3	0	0.00	17	0	0.00
		Drinking Water	100.	59	0	0.00	14	0	0.00	17	0	0.00	5	0	0.00	23	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	137 &	0	0.00	68	0	0.00	25	0	0.00	5	0	0.00	39	0	0.00
		Drinking Water	100.	162	0	0.00	81	0	0.00	28	0	0.00	7	0	0.00	46	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	170	1	0.01	49	1	0.02	31	0	0.00	19	0	0.00	71	0	0.00
		Drinking Water	5000.	170	0	0.00	49	0	0.00	31	0	0.00	19	0	0.00	71	0	0.00
01091	ZINC, SUSPENDED	Fresh Acute	120.	69	0	0.00	19	0	0.00	17	0	0.00	7	0	0.00	26	0	0.00
		Drinking Water	5000.	69	0	0.00	19	0	0.00	17	0	0.00	7	0	0.00	26	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	654	17	0.03	218	7	0.03	135	2	0.01	50	0	0.00	251	8	0.03
		Drinking Water	5000.	654	0	0.00	218	0	0.00	135	0	0.00	50	0	0.00	251	0	0.00
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	2	0	0.00	2	0	0.00									
		Drinking Water	6.	2	0	0.00	2	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	92	0	0.00	26	0	0.00	23	0	0.00	11	0	0.00	32	0	0.00
		Drinking Water	50.	92	0	0.00	26	0	0.00	23	0	0.00	11	0	0.00	32	0	0.00
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	66	0	0.00	16	0	0.00	18	0	0.00	6	0	0.00	26	0	0.00
		Drinking Water	50.	66	0	0.00	16	0	0.00	18	0	0.00	6	0	0.00	26	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	396	0	0.00	134	0	0.00	77	0	0.00	30	0	0.00	155	0	0.00
		Drinking Water	50.	396	0	0.00	134	0	0.00	77	0	0.00	30	0	0.00	155	0	0.00
07000	TRITIUM, TOTAL	Drinking Water	20000.	11	0	0.00	9	0	0.00							2	0	0.00
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	19	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00	8	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	979 &	345	0.35	373	126	0.34	188	63	0.34	72	30	0.42	346	126	0.36
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1228	224	0.18	331	62	0.19	122	26	0.21	99	2	0.02	676	134	0.20
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	842	175	0.21	268	49	0.18	168	33	0.20	81	19	0.23	325	74	0.23
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	242	12	0.05	74	1	0.01	57	3	0.05	34	1	0.03	77	7	0.09
31617	FECAL COLIFORM, MPN, EIJKMAN TEST, 44.5C	Other-Hi Lim.	200.	137	54	0.39	92	28	0.30	27	22	0.81				18	4	0.22
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	231	11	0.05	88	3	0.03	39	1	0.03	52	2	0.04	52	5	0.10
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	2	0	0.00	2	0	0.00									
		Drinking Water	1.	2	0	0.00	2	0	0.00									
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	33	0	0.00	16	0	0.00				3	0	0.00	14	0	0.00
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	2	0	0.00									
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	3	0	0.00	2	0	0.00							1	0	0.00
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	11	0	0.00	8	0	0.00	1	0	0.00				2	0	0.00
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	7	0	0.00	4	0	0.00	1	0	0.00				2	0	0.00
		Drinking Water	0.2	7	0	0.00	4	0	0.00	1	0	0.00				2	0	0.00
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	10	0	0.00	7	0	0.00	1	0	0.00				2	0	0.00
		Drinking Water	2.	10	0	0.00	7	0	0.00	1	0	0.00				2	0	0.00
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	7	0	0.00	4	0	0.00	1	0	0.00				2	0	0.00
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	13	0	0.00	6	0	0.00	1	0	0.00	1	0	0.00	5	0	0.00
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	19	0	0.00	10	0	0.00	7	0	0.00				2	0	0.00
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	11	0	0.00	8	0	0.00	1	0	0.00				2	0	0.00
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	5	0	0.00	4	0	0.00							1	0	0.00
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	11	0	0.00	8	0	0.00	1	0	0.00				2	0	0.00
		Drinking Water	2.	11	0	0.00	8	0	0.00	1	0	0.00				2	0	0.00
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	7	0	0.00	4	0	0.00	1	0	0.00				2	0	0.00
		Drinking Water	3.	7	0	0.00	4	0	0.00	1	0	0.00				2	0	0.00
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	7	0	0.00	4	0	0.00	1	0	0.00				2	0	0.00
		Drinking Water	0.4	7	0	0.00	4	0	0.00	1	0	0.00				2	0	0.00
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	8	0	0.00	4	0	0.00	1	0	0.00				3	0	0.00
		Drinking Water	0.2	8	0	0.00	4	0	0.00	1	0	0.00				3	0	0.00
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	8	0	0.00	8	0	0.00									
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	4	0	0.00	4	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire SACN Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-11/30 Obs	8/15-11/30 Exceed	8/15-11/30 Prop.	12/01-2/29 Obs	12/01-2/29 Exceed	12/01-2/29 Prop.	3/01-4/14 Obs	3/01-4/14 Exceed	3/01-4/14 Prop.	4/15-8/14 Obs	4/15-8/14 Exceed	4/15-8/14 Prop.
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	9	0	0.00										9	0	0.00
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	4	0	0.00	4	0	0.00									
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	4	0	0.00	4	0	0.00									
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	4	0	0.00	4	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	4	0	0.00	4	0	0.00									
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	4	0	0.00	1	0	0.00							3	0	0.00
		Drinking Water	0.2	4	0	0.00	1	0	0.00							3	0	0.00
50060	CHLORINE, TOTAL RESIDUAL	Marine Acute	0.013	1	1	1.00				1	1	1.00						
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	107	1	0.01	37	1	0.03	22	0	0.00	10	0	0.00	38	0	0.00
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	82	0	0.00	22	0	0.00	22	0	0.00	9	0	0.00	29	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	188	1	0.01	44	0	0.00	27	0	0.00	23	0	0.00	94	1	0.01
		Drinking Water	2.	188	1	0.01	44	0	0.00	27	0	0.00	23	0	0.00	94	1	0.01
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	66	0	0.00	14	0	0.00	19	0	0.00	8	0	0.00	25	0	0.00
		Drinking Water	2.	66	0	0.00	14	0	0.00	19	0	0.00	8	0	0.00	25	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	521	5	0.01	178	0	0.00	105	1	0.01	40	1	0.03	198	3	0.02
		Drinking Water	2.	521	7	0.01	178	0	0.00	105	3	0.03	40	1	0.03	198	3	0.02
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	10	0	0.00	10	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Missing Level I Groups

There are STORET Data for Every Level I I&M Parameter Group Within the SACN Study Area

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the SACN Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (UEQ/L)	10	0	10	0	10
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	2116	342	864	910	159
00440	BICARBONATE ION (MG/L AS HCO3)	260	0	210	50	20
00445	CARBONATE ION (MG/L AS CO3)	225	0	190	35	20
		2611	342	1274	995	209(169)[1]

pH		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	3822	880	1383	1559	133
00403	PH, LAB (STANDARD UNITS)	1610	629	847	134	147
00406	PH, FIELD (STANDARD UNITS)	4	4	0	0	3
		5436	1513	2230	1693	283(218)[1]

Conductivity		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	232	6	226	0	9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3341	955	1769	617	192
		3573	961	1995	617	201(192)[1]

Dissolved Oxygen		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	197	56	141	0	3
00300	OXYGEN, DISSOLVED (MG/L)	6105	1478	2577	2050	180
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	821	0	366	455	22
		7123	1534	3084	2505	205(182)[1]

Water Temperature		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	5688	1703	2641	1344	149
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	857	0	105	752	22
		6545	1703	2746	2096	171(158)[1]

Flow		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00060	FLOW, STREAM, MEAN DAILY CFS	994	0	232	762	28
00061	FLOW, STREAM, INSTANTANEOUS CFS	662	189	442	31	29
00065	STAGE, STREAM (FEET)	70	56	14	0	8
		1726	245	688	793	65 (42)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	626	0	122	504	15
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	985	130	451	404	117
00077	TRANSPARENCY, SECCHI DISC (INCHES)	146	3	100	43	72
00078	TRANSPARENCY, SECCHI DISC (METERS)	1196	1011	148	37	56
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	2477	810	759	908	71
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10	0	10	0	10
		5440	1954	1590	1896	341(202)[1]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	451	1	358	92	91
00602	NITROGEN, DISSOLVED (MG/L AS N)	13	0	13	0	1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	1826	340	886	600	124
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	14	0	14	0	2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	1532	734	646	152	110
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1940	348	663	929	73
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	497	99	298	100	67
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	975	0	258	717	44
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	51	20	31	0	3
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	2089	1020	872	197	97
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	1203	388	586	229	81
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	922	519	366	37	43
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	46	0	46	0	9
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	110	6	75	29	9
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	1	0	0	1	1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	107	0	59	48	23
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	82	0	48	34	3
		11859	3475	5219	3165	781(216)[1]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	81	2	19	60	18
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	90	0	9	81	14
00665	PHOSPHORUS, TOTAL (MG/L AS P)	3718	1388	1457	873	191
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	610	190	290	130	29
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	1263	556	582	125	91
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	97	31	11	55	18
		5859	2167	2368	1324	361(208)[1]

Chlorophyll		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	464	275	189	0	87
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	65	44	21	0	20
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	27	0	0	27	9
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	3	0	3	0	1
		559	319	213	27	117(106)[1]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1513	216	609	688	88
00945	SULFATE, TOTAL (MG/L AS SO4)	1088	201	672	215	70
00946	SULFATE, DISSOLVED (MG/L AS SO4)	3	3	0	0	1
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	388	17	316	55	30
		2992	437	1597	958	189 (97)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Bacteria		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	19	0	4	15	2
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	1008	0	114	894	23
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	1228	590	601	37	34
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	842	0	360	482	24
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	242	0	88	154	17
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	137	0	0	137	7
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	233	11	222	0	16
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	416	161	255	0	27
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	1	0	0	1	1
		4126	762	1644	1720	151 (79)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements		Total Obs.	01/01/85 to 04/17/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	2	0	2	0	2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	93	6	84	3	6
01001	ARSENIC, SUSPENDED (UG/L AS AS)	51	0	50	1	5
01002	ARSENIC, TOTAL (UG/L AS AS)	508	18	267	223	28
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	24	6	17	1	7
01012	BERYLLIUM, TOTAL (UG/L AS BE)	38	3	32	3	11
01025	CADMIUM, DISSOLVED (UG/L AS CD)	93	6	84	3	6
01026	CADMIUM, SUSPENDED (UG/L AS CD)	66	0	65	1	5
01027	CADMIUM, TOTAL (UG/L AS CD)	722	47	339	336	33
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	92	6	83	3	6
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	69	0	68	1	5
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	22	0	4	18	12
01034	CHROMIUM, TOTAL (UG/L AS CR)	302	43	229	30	33
01040	COPPER, DISSOLVED (UG/L AS CU)	169	26	139	4	7
01041	COPPER, SUSPENDED (UG/L AS CU)	74	0	71	3	6
01042	COPPER, TOTAL (UG/L AS CU)	733	56	336	341	36
01049	LEAD, DISSOLVED (UG/L AS PB)	166	26	137	3	7
01050	LEAD, SUSPENDED (UG/L AS PB)	70	0	69	1	5
01051	LEAD, TOTAL (UG/L AS PB)	665	52	325	288	33
71890	MERCURY, DISSOLVED (UG/L AS HG)	188	34	152	2	7
71895	MERCURY, SUSPENDED (UG/L AS HG)	66	0	65	1	5
71900	MERCURY, TOTAL (UG/L AS HG)	521	15	279	227	32
01065	NICKEL, DISSOLVED (UG/L AS NI)	79	6	72	1	8
01066	NICKEL, SUSPENDED (UG/L AS NI)	55	0	55	0	5
01067	NICKEL, TOTAL (UG/L AS NI)	616	9	267	340	25
01145	SELENIUM, DISSOLVED (UG/L AS SE)	92	6	84	2	6
01146	SELENIUM, SUSPENDED (UG/L AS SE)	66	0	65	1	5
01147	SELENIUM, TOTAL (UG/L AS SE)	396	9	177	210	23
01075	SILVER, DISSOLVED (UG/L AS AG)	86	6	79	1	6
01076	SILVER, SUSPENDED (UG/L AS AG)	59	0	59	0	5
01077	SILVER, TOTAL (UG/L AS AG)	162	3	134	25	24
01090	ZINC, DISSOLVED (UG/L AS ZN)	170	26	139	5	7
01091	ZINC, SUSPENDED (UG/L ZN)	69	0	67	2	5
01092	ZINC, TOTAL (UG/L AS ZN)	654	26	289	339	33
00720	CYANIDE, TOTAL (MG/L AS CN)	147	11	110	26	17
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	2	0	2	0	1
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	2
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11	0	11	0	5
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	2	0	2	0	1
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	7	0	7	0	3
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	4	3	1	0	2
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	10	0	10	0	4
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	33	0	4	29	5
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	19	0	7	12	10
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	3	1	2	0	2
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	13	0	7	6	7
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	1
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	7	0	7	0	3
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11	0	11	0	5
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	11	0	9	2	6
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	7	0	7	0	3
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	8	1	7	0	4
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	5	4	1	0	2
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
34671	PCB - 1016, TOTAL (UG/L)	1	0	1	0	1
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	7	0	7	0	3
		7553	455	4604	2494	537 (44)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

.

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	2611	342	13.1	169	49.6	15.4	07/15/26-04/17/95	38.0
pH	5436	1513	27.8	218	63.9	24.9	01/01/36-04/17/95	91.7
Conductivity	3573	961	26.9	192	56.3	18.6	11/05/66-04/17/95	125.6
Dissolved Oxygen	7123	1534	21.5	182	53.4	39.1	01/01/36-04/17/95	120.1
Water Temperature	6545	1703	26.0	158	46.3	41.4	01/01/36-04/17/95	110.4
Flow	1726	245	14.2	42	12.3	41.1	03/01/38-06/20/94	30.7
Clarity/Turbidity	5440	1954	35.9	202	59.2	26.9	01/01/36-04/17/95	91.7
Nitrate/Nitrogen	11859	3475	29.3	216	63.3	54.9	03/27/58-04/17/95	320.0
Phosphate/Phosphorus	5859	2167	37.0	208	61.0	28.2	03/27/58-03/14/95	158.5
Chlorophyll	559	319	57.1	106	31.1	5.3	06/26/72-11/01/94	25.0
Sulfates/Total Dissolved Solids/Hardness	2992	437	14.6	97	28.4	30.8	04/11/61-10/11/94	89.3
Bacteria	4126	762	18.5	79	23.2	52.2	01/01/36-09/15/94	70.3
Toxic Elements	7553	455	6.0	44	12.9	171.7	12/11/67-07/14/92	307.1

Water Quality Observations
Outside STORET Edit Criteria for SACN

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
SACN0085	00400	PH (STANDARD UNITS)	850514	0845	0.6000000	112WRD	461342091561002	X
SACN0124	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	930505	1110	54.0000000	21WIS	073077	X
SACN0124	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	930505	1115	50.0000000	21WIS	073077	X
SACN0128	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	930505	1040	56.0000000	21WIS	073081	X
SACN0128	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	930505	1050	47.0000000	21WIS	073081	X
SACN0142	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	930721	0900	70.0000000	21WIS	073080	X
SACN0142	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	940912	0900	73.0000000	21WIS	073080	X
SACN0228	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	900417	1300	93.0000000	21WIS	563056	
SACN0336	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	671211	1400	30.0000000	21MINN	SCSN--0BB-14A67	X
SACN0373	00310	BOD, 5 DAY, 20 DEG C MG/L	741203	1500	241.5000000	12MIWID	STILTP	
SACN0432	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	731010	0945	23.0000000	112WRD	05331580	

APPENDICES

Appendix A

Computer Files Transmitted With

Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to seven (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where COMPRESS.ZIP is the name of one of the seven compressed (ZIP) files listed below and FILENAME.EXT is the name of the file you wish to extract. If you want to decompress all of the files in COMPRESS.ZIP, simply omit the FILENAME.EXT. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where COMPRESS.ZIP is the name of one of the seven compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for FILENAME.EXT in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) SACNTABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) SACNSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) SACNAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) SACNAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) SACNOV0.DOC - Overview of park and retrieved data.

(e) SACNOV1.DOC - Station period of record table.

(f) SACNOV2.DOC - Parameter period of record table.

(g) SACNOV3.DOC - Station/parameter period of record table.

(h) SACNINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) SACNSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) SACNEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) SACNIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) SACNBAD.DOC - Water quality observation values that were outside the range of one of 190 STORET edit criteria and were either discarded or retained.

All these compressed document files are in ASCII format and contain printer codes appropriate to Hewlett-Packard (or compatible) Laser Printers. While at the DOS prompt, any of these document files may be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the PRINT command. For example, if the document SACNOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\SACNOV1.DOC. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). Alternatively, you can use the PRINTZIP program to decompress and print any of these files provided the ZIP file doesn't span multiple disks. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) SACNFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in CGM format for parameter 00300 (dissolved oxygen) at station SACN0001. While at the DOS prompt, any PCL file can be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the COPY command. For example, if the graphic 00100300.2CL (an annual box and whiskers plot of parameter 00300, dissolved oxygen, at station SACN0001) is in the subirectory C:\WATER, you would type: COPY C:\WATER\00100300.2CL LPT1: /B. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). The /B is necessary because the PCL file is in a binary format. Alternatively, you can use the PRINTZIP program to decompress and print any of the PCL files provided the ZIP file doesn't span multiple disks. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) SACNPARM.ZIP

This file compresses SACNPARM.DBF which contains all the actual values (raw data) of all the water quality data downloaded from STORET and summarized in the report. The detailed database structure for this file is contained in Appendix B.

(4) SACNSITE.ZIP

This compressed file contains up to five geo-referenced, DBASE III+ compatible site (point location) files documenting the location in the study area of water quality monitoring stations, industrial facilities discharges, drinking water intakes, water gages, and water impoundments. These files include:

(a) SACNWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) SACNIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) SACNDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) SACNGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) SACNDAMS.DBF - All water impoundments within the project's study area downloaded from the DAMS database.

The absence of any of these files indicates that none of the particular sites were found within the study area. Detailed database structures for each of these files are contained in Appendix B.

(5) SACNMISC.ZIP

This compressed file contains a variety of graphic and document files that are contained in the report. They are grouped into this miscellaneous compressed (ZIP) file because they don't fit neatly into any of the other compressed files. The files contained in this compressed file include:

(a) SACNEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) SACNTOC.DOC - WordPerfect Ver. 5.1 copy of the report's Table of Contents.

(c) INTRO.DOC - WordPerfect Ver. 5.1 copy of all the text in the report from the Introduction through the Interpretive Guide to Water Quality Results.

(d) APPENDIX.DOC - WordPerfect Ver. 5.1 copy of all the Appendices in the report.

(e) SACNREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) SACNWQ - PCL and CLP (Windows Clipboard) copies of park maps displaying water quality station locations within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (SACNWQA, SACNWQB, SACNWQC, etc.) and the index map name will end with an ampersand (&).

(g) SACNIDG - PCL and CLP (Windows Clipboard) copies of park maps displaying locations of industrial facilities discharges, drinking water intakes, and stream gages within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (SACNIDGA, SACNIDGB, SACNIDGC, etc.) and the index map name will end with an ampersand (&). If no industrial facilities discharges, drinking water intakes, water gages, or water impoundments exist within the park's study area, these files will not be in the compressed (ZIP) file.

(h) SACNSEHY - PCL and CLP (Windows Clipboard) copies of the hydrographs or other materials used by WRD staff as the basis for a first attempt at a seasonal analysis of the park's water quality data.

Other materials may also be included in this miscellaneous compressed (ZIP) file as warranted by conditions at the park. As with SACNFIGS.ZIP and SACNTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in SACNMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files. The CLP (Windows Clipboard) files can be imported (pasted) and/or edited in most Windows-based word processors and graphics packages.

(6) SACNRF3.ZIP

This compressed file contains the Environmental Protection Agency's River Reach File Ver. 3.0 provisional data for the USGS catalog unit(s) encompassing the study area. The attribute data exist in both ASCII and DBASE III+ format, while the geographic traces exist in ASCII format. This compressed file contains four files for each catalog unit that touches the study area. Catalog units are identified by unique 8-character numeric names which identify the region, subregion, accounting unit, and catalog unit. Examples (your 8-character numeric names will be different) of the file types included in this compressed file are:

(a) 12345678.RF3 - ASCII formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(b) 12345678.DBF - DBASE III+ formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(c) 12345678.TRC - ASCII formatted geographic file from the River Reach File containing digital, geo-referenced descriptions of all hydrographic traces within the catalog unit at a scale of 1:100,000 suitable for import into a geographic information system.

(d) 12345678.CUB - ASCII formatted geographic file from the River Reach File containing a digital, geo-referenced description of the catalog unit boundary suitable for import into a geographic information system.

Detailed database structures for RF3-related files are contained in Appendix B.

(7) SACNWQMW.ZIP

Between 2000 and 2002, all Baseline Water Quality Data Inventory and Analysis Reports were compiled or re-compiled in Microsoft Word 2000 (Ver. 9.0) format. This complete, digital version of the report will be made available through various means, including the Internet. Although the reports can be opened in Microsoft Word 1997 (Ver. 8.0), the time series and annual and seasonal box-plots may not be centered appropriately on a page due to discrepancies with how Word 2000 formats pictures and how Word 1997 formatted pictures. Consequently, Word 2000 is the recommended software for viewing the report. Prior to printing the report from Word, be sure to enable "Print Text as Graphics" or "Print True Type Font as Graphics" in the Printer Properties. This ensures a more faithful reproduction of the maps included in the Word document.

The Microsoft Word version of the Baseline Water Quality Data Inventory and Analysis Report may differ slightly from the original analog version. Reports issued during 1994-1996 didn't have as many "bells-and-whistles" as subsequent reports. In compiling digital Microsoft Word versions of these earlier reports, attempts were made to bring these 1994-1996 reports up to the current standard wherever feasible and practicable. Unfortunately, some changes were not feasible or practicable. For example, water quality criteria screens were added or modified over time when newer criteria became available. The digital Microsoft Word version of Appendix F presents the latest criteria screening parameters and values. Some of these parameters and/or values may not have been screened against in the EPA water quality criteria analyses for each station and the entire study area in the 1994-1996 analog versions of the report. Similarly, the Introduction, Methodology, and Interpretive Guide to Water Quality Results may mention certain features that aren't included in the 1994-1996 reports. Additionally, to prepare a Microsoft Word version of this report, data were processed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

Appendix B

Water Quality Database File Structures

The following table provides the DBASE III+ database field structure for all the water quality parameter data downloaded from STORET. This data will allow parks or other interested parties to replicate the statistical analyses and graphics contained in this report; perform more sophisticated analyses; or to establish a baseline park water quality database.

Parameter Data File: SACNPARM.DBF in SACNPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
BEGDATE	9	14	6	Measurement Start Date [yymmdd]
BEGTIME	15	18	4	Measurement Start Time [hhmm]
PARMCODE	19	23	5	STORET Parameter Code
PARMVALU	24	39	16.7	Parameter Value
REMARK	40	40	1	Parameter Remark Value
				A=Value is Mean of 2 or More Determinations
				B=Results Based Upon Colony Counts Outside Acceptable Range
				C=Value Calculated
				D=Field Measurement
				E=Extra Sample Taken in Compositing Process
				F=Female Species
				G=Maximum of 2 or More Determinations
				H=Based on Field Kit Determination
				I=Value is Less Than Practical Quantitation Limit and Greater Than or Equal to the Method Detection Limit
				J=Estimated, Not the Result of Analytic Measurement
				K=Off-scale Low, Actual Value Not Known, But Known to be Less Than Value Shown
				L=Off-scale High, Actual Value Not Known, But Known to be Greater Than Value Shown

Parameter Data File: SACNPARM.DBF in SACNPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				M=Presence Verified, But Not Quantified, Below Quantification Limit; For Species, Male; For Oxygen Reduction Potential, Indicates a Negative Value
				N=Presumptive Evidence of Presence
				O=Analysis Lost
				P=Too Numerous to Count
				Q=Exceeded Normal Holding Time
				R=Significant Rain in Last 48 Hours
				S=Laboratory test
				T=Less Than Detection Criteria
				U=Analyzed For But Not Detected, Value is Detection Limit For Process Used; If Species, Undetermined
				V=Analyte was Detected in Sample and Method Blank
				W=Less Than Lowest Value Reportable Under Remark "T"
				X=Quasi Vertically-Integrated Sample
				Y=Analysis of Unpreserved Sample
				Z=Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value
				$=Calculated By Retrieval Software
MEDIA	41	46	6	Sample Media
DEPTH	47	55	9.3	Depth of Sample [in feet]
ENDDATE	56	61	6	Measurement End Date [yymmdd] [all composite samples]
ENDTIME	62	65	4	Measurement End Time [hhmm] [all composite samples]
SAMPTYPE	66	69	4	Type of Sample ["sophisticated" composite samples]
				C=Continuous Collection
				G=Collection of Individual Grab Samples
				GNxx=xx is the Number of Individual Grab Samples
				B=N/A

Parameter Data File: SACNPARM.DBF in SACNPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
COMPTYPE	70	70	1	Composite Value Type ["sophisticated" composite samples]
				A=Average
				H=Maximum
				L=Minimum
				N=Number of Observations
				#=Number of Observations
				S=Standard Deviation
				U=Sum of Squares
				V=Variance
				C=Coefficient of Error
				X=Coefficient of Variance
				E=Skewness
				F=Kurtosis
				Z=Number of Observations That Exceed an Established Limit
				%=Precision
				$=Accuracy
				B=N/A
				D=Indicates Replicate Sample
COMPST	71	71	1	Composite Space/Time Indicator
				S=Space
				T=Time
				B=Space and Time
				F=Flow Proportional
				1-9=Replicate Number

Note: DBASE III+ record lengths will be one greater than the last stop column displayed (71 here) because DBASE III+ reserves the first space/column of every record for a deletion flag. Hence, DBASE III+ will display a record length of 72 for this database.

The following table provides the DBASE III+ database field structure for all the water quality station locations downloaded from STORET. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Quality Station Data File: SACNWQ.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
AGENCY	9	16	8	Agency Code of Station Owner
STORIDP	17	31	15	STORET Primary Station Code
STORIDS1	32	43	12	STORET First Secondary Station Code
STORIDS2	44	55	12	STORET Second Secondary Station Code
STORIDS3	56	65	10	STORET Third Secondary Station Code
LATITUDE	66	73	8	Station Latitude [degrees:minutes:seconds]
LONGITUDE	74	82	9	Station Longitude [degrees:minutes:seconds]
LAT	83	93	11.6	Station Latitude [decimal degrees, (-) below equator]
LON	94	104	11.6	Station Longitude [decimal degrees, (-) western hemisphere]
LLPREC	105	105	1	Latitude/Longitude Precision Code
RMI	106	329	224	River Mile Index
STATLOC	330	377	48	Station Location Description
CNTYCODE	378	382	5	FIPS State/County Code
STNAME	383	398	16	State Name
CNTYNAME	399	418	20	County Name
HYDUNIT	419	426	8	Hydrologic Unit Code (MAJ/MIN/SUB = Catalog Unit)
MAJBASN	427	450	24	Major Basin Name
MINBASN	451	490	40	Minor Basin Name
STATTYPE	491	550	60	Station Type
STORDATE	551	556	6	Date Station was Stored in STORET
RF1INDEX	557	567	11	RF1 Reach Number Location [2]
RF1MILE	568	575	8.3	Mile Point on RF1 Reach [2]
RF1LOC	576	578	3	Indicates the Location as ON or OFF RF1 Reach [2]
RF1DIST	579	584	6.2	Distance From RF1 Reach

Water Quality Station Data File: SACNWQ.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
RF3INDEX	585	601	17	RF3 Reach Number Location [3]
RF3MILE	602	607	6.2	Mile point on RF3 Reach [3]
RF3LOC	608	610	3	Indicates the Location as ON or OFF RF3 Reach [2]
RF3DIST	611	616	6.2	Distance From RF3 Reach
DEPH2O	617	620	4	Depth of Water at Station Location [in feet]
ELEV	621	625	5	Station Elevation
ECOREG	626	628	3	ECO Region
H2OBODY	629	678	50	Waterbody ID
AQUIFERS	679	718	40	Aquifer Description
STATDESC1	719	790	72	Station Sentence Description
STATDESC2	791	862	72	Station Sentence Description
STATDESC3	863	934	72	Station Sentence Description
STATDESC4	935	1006	72	Station Sentence Description
STATDESC5	1007	1078	72	Station Sentence Description
STATDESC6	1079	1150	72	Station Sentence Description
STATDESC7	1151	1222	72	Station Sentence Description
STATDESC8	1223	1294	72	Station Sentence Description
STATDESC9	1295	1366	72	Station Sentence Description
STATDESC10	1367	1438	72	Station Sentence Description
STATDESC11	1439	1510	72	Station Sentence Description
STATDESC12	1511	1582	72	Station Sentence Description
STATDESC13	1583	1654	72	Station Sentence Description
STATDESC14	1655	1726	72	Station Sentence Description
STATDESC15	1727	1798	72	Station Sentence Description
STATLOCKED	1799	1799	1	Station Locked (Logical) True/False

The following table provides the DBASE III+ database field structures for the EPA Industrial Facilities Discharge database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Industrial Facilities Discharges File: SACNIFD.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	9	9	Site Identifier (NPDES Number)
LATITUDE	10	17	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	18	26	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	27	37	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	38	48	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	49	59	11	RF1 Reach Number Location
RF1MILE	60	65	6.2	Mile Point on RF1 Reach
RF1DIST	66	71	6.2	Distance From RF1 Reach
RF3INDEX	72	88	17	RF3 Reach Number Location
RF3MILE	89	94	6.2	Mile Point on RF3 Reach
RF3DIST	95	100	6.2	Distance From RF3 Reach
ADR	101	125	25	Address
BFL	126	132	7.2	Total Direct Combined C&P Flow (1000 GPD)
CCFLG	133	133	1	Coastal County Flag "Y"/"N"/"E"=Estuary
CC1	134	138	5	City Code #1 (EPA Code)
CFL	139	145	7.2	Total Direct Cooling Flow (1000 GPD)
CNC	146	148	3	County Code (FIPS)
CTY	149	168	20	City Name
CZIP	169	177	9	Canadian Zip Code
DNB	178	186	9	Dunn & Bradstreet Number
DNBFLG	187	187	1	Dunn & Bradstreet PCS Source Flag
EGF	188	202	15.4	Flow From Effluent Guidelines (1000 GPD)
EGS	203	208	6	Effluent Guidelines Subcategory
EXPDT	209	216	8	Expiration Date (mm/dd/yy)
E308SN	217	220	4	Effluent Guidelines Survey Number
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source

Industrial Facilities Discharges File: SACNIFD.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
FFL	233	239	7.2	Total Facility Flow (1000 GPD)
FHF	240	240	1	Fac. Hit Flag (Reach File) V=Versar Assumed
FLOTYP	241	243	3	I=Blow Down, R=Bottom Ash, S=Fly Ash
FLR	244	250	7.2	Flow Recvd-Industrial (1000 GPD) Permit Data
FRDS	251	259	9	FRDS ID# - XREF To Water Supply
FRW	260	289	30	Facility Receiving Water Name
FS1	290	293	4	Facility SIC Code (From PCS)
FS2	294	297	4	Facility SIC Code #1
FS3	298	301	4	Facility SIC Code #2
FS4	302	305	4	Facility SIC Code #3
FS5	306	309	4	Facility SIC Code #4
FUD	310	317	8	Facility Level Last Date Updated (mm/dd/yy)
IACC	318	318	1	Inactive/Active Indicator ("I" or "A")
ICAT	319	320	2	WQAB Industrial Category
ICAT2	321	322	2	WQAB Industrial Category 2
ICAT3	323	324	2	WQAB Industrial Category 3
IFL	325	331	7	Total Indirect Flow (1000 GPD)
IFT	332	332	1	Illinois Facility Type (A thru Z)
IG1	333	334	2	Facility Industrial Group #1
IG2	335	336	2	Facility Industrial Group #2
IJCN	337	346	10	Canadian Record Identifier
INACT	347	353	7	Inactive/Rescinded P=Based on Permit;A=Actual
INDCNT	354	357	4	Computed Number of Indirect Dischargers
LATLON	358	372	15	Polygon Retrieval Lat/Long.
MAJ	373	373	1	Major-Minor Flag (From PCS)
MAPID	374	377	4	Map Identifier
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)

Industrial Facilities Discharges File: SACNIFD.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NDSFLO	445	451	7.2	NEEDS Flow (1000 GPD)
NDSIFLO	452	458	7.2	NEEDS Industrial Flow (1000 GPD)
NID	459	462	4	Number of Indirect Dischargers
NPC	463	463	1	NEEDS Pre-Treatment Code "Y"=Yes, "N"=No
NPS	464	464	1	NPDES Facility Source/Status
NSN	465	473	9	NEEDS Survey Number
NTC	474	474	1	NEEDS Treatment Code
OCP	475	480	6	Organic Chemical Producers ID Number
ODESCC	481	481	1	ODES Coastal County "Y"=Yes; "N"=No
OFL	482	488	7.2	Total Non-Direct Other Flow (1000 GPD)
OWN	489	491	3	Ownership Code
PFL	492	498	7.2	Total Direct Process Flow (1000 GPD)
REG	499	500	2	EPA Region
REGKEY	501	504	4	Region Key
RSLOFLO	505	511	7.2	Receiving Stream Low Flow
RSMNFLO	512	518	7.2	Receiving Stream Mean Flow
STA	519	520	2	State Postal Abbreviation
STAID	521	535	15	State Identifier
STC	536	537	2	State Code (FIPS)
STCITY	538	544	7	State/City Code
TFLOW	545	551	7.2	Type Flow (1000 GPD)
UFL	552	558	7.2	Total Direct Undefined Flow (1000 GPD)
XEGS	559	561	3	Effluent Guidelines Subcat Index
XKEY	562	562	1	"1","2","3","4","5","6","7","8","9"
XNME	563	565	3	GLP,DIR,F2C,ENF,CET,LAG,PPB,M85,M86
ZIP	566	570	5	Zip Code

The following table provides the DBASE III+ database field structures for drinking water intakes from the EPA DRINKS database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Drinking Water Intakes File: SACNDRIN.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	29	37	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
AQCD	112	115	4	Aquifer Code
ASC	116	138	23	STORET Agency/Station Code
AVGD	139	142	4	Average Depth
BUY	143	143	1	Purchase Code
CC1	144	148	5	City Code #1 (EPA Code)
CNC	149	151	3	County Code (FIPS)
CNME	152	166	15	Contact Name
CNN	167	186	20	County Name
CTITLE	187	201	15	Contact Title
CTY	202	221	20	City Name
DUD	222	229	8	Date of Update
FRDS	230	238	9	FRDS ID# - Cross-Reference
GEOAG	239	258	20	Geologic Age
GEOCDE	259	261	3	Geologic Age Code
IDAT	262	269	8	Date (mm/dd/yy)

Drinking Water Intakes File: SACNDRIN.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
INTAKET	270	270	1	Type Source G/S/B
INTRVWR	271	285	15	Interviewer
MAXD	286	289	4	Maximum Depth
MILES	290	296	7.2	Miles
MIND	297	300	4	Minimum Depth
NAME	301	320	20	Name
NPD	321	329	9	NPDES# XREF to IFD Database
NWLS	330	332	3	Number of Wells
OWN	333	335	3	Ownership
PAVGF	336	342	7.2	Production Avg. Daily (Gal/Day)
PCTSUP	343	345	3	%Surface / %Ground
PHONE	346	355	10	Telephone Number
PMAXF	356	362	7.2	Production Max. Daily (Gal/Day)
POPSV	363	371	9	Population Served
REG	372	373	2	EPA Region
SHLAT	374	379	6	Sitehelp Latitude (DDMMSS)
SHLNG	380	386	7	Sitehelp Longitude (DDDMMSS)
SHMILES	387	393	7.2	Sitehelp Miles
SHNME	394	403	10	Sitehelp Source Name
SHPCT	404	410	7.2	Sitehelp Percent of Reach Miles
SRC	411	413	3	Sitehelp Source Code
STA	414	415	2	State Abbreviation
STC	416	417	2	State Code (FIPS)
TUF	418	424	7.2	Total Utility Flow
TYPCDE	425	425	1	Type Code
UHF	426	426	1	Utility Hit Flag (Reach File)
VCDE	427	427	1	Versar Code='V'=>25K; '*'=<25K POPSVD
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)

Drinking Water Intakes File: SACNDRIN.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the Water Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Gage File: SACNGAGE.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (DDMMSS)
LONGITUDE	29	37	9	Facility Longitude (DDDMMSS)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
JAN	112	118	7.2	Monthly Flow - January
FEB	119	125	7.2	Monthly Flow - February
MAR	126	132	7.2	Monthly Flow - March
APR	133	139	7.2	Monthly Flow - April
MAY	140	146	7.2	Monthly Flow - May
JUN	147	153	7.2	Monthly Flow - June
JUL	154	160	7.2	Monthly Flow - July
AUG	161	167	7.2	Monthly Flow - August
SEP	168	174	7.2	Monthly Flow - September
OCT	175	181	7.2	Monthly Flow - October
NOV	182	188	7.2	Monthly Flow - November
DEC	189	195	7.2	Monthly Flow - December
RGN	196	197	2	Region Code
AREA	198	204	7.2	Drainage Area (SQ.MI.)
DUD	205	212	8	Date of Update

Water Gage File: SACNGAGE.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
FBCF	213	213	1	Flag - Basic Characteristic File ('Y')
FDFF	214	214	1	Flag - Daily Flows File ('Y')
FQMINV	215	224	10	IHS Pt. Files Index
GHF	225	225	1	Hit Flag (Reach File)
ICDE	226	226	1	Integrity Code
LFVEL	227	233	7.2	Low Flow Velocity
METHOD	234	236	3	Calculation Method Code
MFVEL	237	243	7.2	Mean Flow Velocity
MNFLO	244	250	7.2	USGS Mean Annual Flow
NME	251	298	48	Station Name
SHLAT	299	304	6	Sitehelp Latitude (DDMMSS)
SHLNG	305	311	7	Sitehelp Longitude (DDDMMSS)
SHMILES	312	318	7.2	Sitehelp Miles
SHNME	319	328	10	Sitehelp Source Name
SHPCT	329	335	7.2	Sitehelp Percent of Reach Miles
SITE	336	337	2	Site Location
SRC	338	340	3	Sitehelp Source Code
STCTY	341	345	5	State/County Numeric Code
SVTEN	346	352	7.2	USGS 7-10 Year Flow
BEG_WYR	353	356	4	Beginning Water Year
END_WYR	357	359	4	Ending Water Year
ELEV	361	368	8.2	Elevation (Feet)
WELL_DP	369	376	8.2	Well Depth (Feet)

The following table provides the DBASE III+ database field structures for the Water Impoundment database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Impoundment File: SACNDAMS.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	7	7	Site Identifier
SOURCE	8	10	3	Source of Data
ST1	11	12	2	Primary State Code Abbreviation
STCTY1	13	17	5	State/County Numeric Code
NAME	18	47	30	Official Name of Dam
LATITUDE	48	53	6	Facility Latitude (DDMMSS)
LONGITUDE	54	60	7	Facility Longitude (DDDMMSS)
LAT	61	70	10.6	Facility Latitude (decimal degrees, (-) below equator)
LON	71	81	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
INME	82	111	30	Impoundment Name
RNME	112	139	28	River, Stream, or Tributary Name on Which Dam Built
CUSEGMI	140	149	10	Catalog Unit, Segment, and Segment Length
REGN	150	151	2	Water Resources Council Region Code
RGBSN	152	155	4	Water Resources Region/Basin Code
CU	156	163	8	Catalog Unit
SEG	164	166	3	Reach Segment of Dam
SEGL	167	171	5.2	Reach Segment Length
PURP	172	172	1	Major Purpose of Dam
				I=Irrigation
				H=Hydroelectric
				N=Navigation
				S=Water Supply
				R=Recreation
				P=Stock/Farm Pond
				D=Debris Control
				F=Flood Control

Water Impoundment File: SACNDAMS.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				O=Other
FRF3	173	189	17	RF3 Reach Number Location
FRF3MI	190	194	5	Mile Point on RF3 Reach
PURPKEY	195	195	1	Purpose Key
PUR2	196	196	1	Purpose of Dam 2 (See Above)
PUR3	197	197	1	Purpose of Dam 3 (See Above)
PUR4	198	198	1	Purpose of Dam 4 (See Above)
PUR5	199	199	1	Purpose of Dam 5 (See Above)
PUR6	200	200	1	Purpose of Dam 6 (See Above)
PUR7	201	201	1	Purpose of Dam 7 (See Above)
PUR8	202	202	1	Purpose of Dam 8 (See Above)
PUR9	203	203	1	Purpose of Dam 9 (See Above)
PUR10	204	204	1	Purpose of Dam 10 (See Above)
TYPDAM	205	206	2	Major Dam Portion Type
				RE=Earth
				VA=Vaulted Arch
				CD=Buttress
				PG=Gravity
				ER=Rockfill
				MV=Multi-Arch
				OT=Other
YRCMP	207	210	4	Year Dam Completed
SHGT	211	214	4	Structural Height (Feet)
HHGT	215	218	4	Hydraulic Height (Feet)
VNORM	219	236	8	Normal Storage of Impoundment (Acre-Feet)
VMAX	227	234	8	Maximum Storage of Impoundment (Acre-Feet)
LCRST	235	239	5	Crest Length of Dam (Feet)
TSPL	240	240	1	Spillway Type
				C=Controlled

Water Impoundment File: SACNDAMS.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				U=Uncontrolled
				N=None
				X=Unknown
WSPL	241	244	4	Dam Spillway Width (Feet)
QMAX	245	251	7	Maximum Spillway Discharge (CFS)
PINS	252	258	7.2	Quantity of Installed Power (Megawatts)
PPRO	259	265	7.2	Quantity of Proposed Power (Megawatts)
LOCK	266	266	1	Number of Navigational Locks
OWNR	267	290	24	Name of Impoundment Owner
PFOWN	291	291	1	Ownership Code
				N=Non-Federal
				G=Federal Government Agency
				C=Corps of Engineers
				X=Unknown
FEDR	292	292	1	Federally Regulated (Y=Yes, N=No, X=Unknown)
FLND	293	293	1	Private Dam on Federal Land (Y=Yes, N=No, X=Unknown)
SCSA	294	294	1	Type of Soil Conservation Service Assistance
				N=No Assistance
				T=Technical Assistance
				F=Financial Assistance
				B=Both Technical and Financial Assistance
				X=Unknown
DHAZ	295	295	1	Degree of Downstream Hazard
				1=High (More than a Few Lives Lost; Excessive Economic Loss)
				2=Significant (A Few Lives Lost; Appreciable Economic Loss)
				3=Low (No Lives Expected Lost; Minimal Economic Loss)
DCITY	296	319	24	Nearest Downstream City

Water Impoundment File: SACNDAMS.DBF in SACNSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
POP	320	326	7	Population of Downstream City
DMILE	327	331	5.2	Distance of Downstream City From Dam (Miles)
RET	332	342	11.2	Retention Coefficient (Dimensionless)
MIX	343	353	11.2	Mixing Coefficient (Dimensionless)
SAREA	354	361	8	Surface Area of Impoundment (Acres)
SAFLG	362	362	1	Surface Area Flag (C=Calc., M=Measured, O=Other)
ILNTH	363	367	5	Length of Impoundment (Feet)
ILFLG	368	368	1	Impoundment Length Flag (C=Calc., M=Measured, O=Other)
UPKEY	369	374	6	Update Key (YYMMDD)

The following table provides the ASCII and DBASE III+ database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) attributes. The actual numeric file names will vary depending on the catalog unit(s). This information can be readily incorporated into the park's Geographic Information System.

RF3 Structure File: 12345678.RF3 and 12345678.DBF in SACNRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
CATUNIT	1	8	8	Cataloging Unit (CU)
SEGM	9	12	4	Segment Number (SEG)
MI	13	17	5.2	Mile Point (MI)
UPMI	18	22	5.2	Upstream Mile Pt.
SEQNO	23	33	11.6	Hydro Sequence No.
RFLAG	34	34	1	Reach Flag (0,1)
OWFLAG	35	35	1	Open Water Flag (0,1)
TFLAG	36	36	1	Terminal Flag (0,1)
SFLAG	37	37	1	Start Flag (0,1)
RCHTYPE	38	38	1	Reach Type Code
LEV	39	40	2	Stream Level
JUNC	41	42	2	Level of Downstream Reach
DIVERGENCE	43	43	1	Divergence Code
STARTCU	44	51	8	Start CU
STRTSG	52	55	4	Start SEG
STOPCU	56	63	8	Stop CU
STOPSG	64	67	4	Stop SEG
USDIR	68	68	1	Upstream Direction
TERMID	69	73	5	Terminal Stream ID
TRMBLV	74	74	1	Terminal Base Level
PNAME	75	104	30	Primary Name
PNMCD	105	115	11	Primary Name Code
CNAME	116	145	30	Complement Name
CNMCD	146	156	11	Complement Name Code

RF3 Structure File: 12345678.RF3 and 12345678.DBF in SACNRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
OWNAME	157	186	30	Open Water Name
OWNMCD	187	197	11	Open Water Name Code
DSCU	198	205	8	Downstream CU
DSSEG	206	209	4	Downstream SEG
DSMI	210	214	5.2	Downstream MI
CCU	215	222	8	Complement CU
CSEG	223	226	4	Complement SEG
CMILE	227	231	5.2	Complement MI
CDIR	232	232	1	Complement Direction
ULCU	233	240	8	Upstream Left CU
ULSEG	241	244	4	Upstream Left SEG
ULMI	245	249	5.2	Upstream Left MI
URCU	250	257	8	Upstream Right CU
URSEG	258	261	4	Upstream Right SEG
URMI	262	266	5.2	Upstream Right MI
SEGL	267	272	6.2	Reach Length (Miles)
RFORGFLAG	273	273	1	RF Orgin flag(1,2,3)
ALTPNMCD	274	281	8	Alt. Primary Name Code
ALTOWNMC	282	289	8	Alt. OW Name Code
DLAT	290	297	8.4	Downstream Latitude
DLONG	298	305	8.4	Downstream Longitude
ULAT	306	313	8.4	Upstream Latitude
ULONG	314	321	8.4	Upstream Longitude
MINLAT	322	329	8.4	Minimum Latitude
MINLONG	330	337	8.4	Minimum Longitude
MAXLAT	338	345	8.4	Maximum Latitude
MAXLONG	346	353	8.4	Maximum Longitude
NDLGREC	354	357	4	No. of DLG Records
LL1KEY1	358	367	10	Starting DLG LL Key1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in SACNRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
LL2KEY1	368	377	10	Ending DLG LL Key1
LL1KEY2	378	387	10	Starting DLG LL Key2
LL2KEY2	388	497	10	Ending DLG LL Key2
LL1KEY3	398	407	10	Starting DLG LL Key3
LL2KEY3	408	417	10	Ending DLG LL Key3
LL1KEY4	418	427	10	Starting DLG LL Key4
LL2KEY4	428	437	10	Ending DLG LL Key4
LL1KEY5	438	447	10	Starting DLG LL Key5
LL2KEY5	448	457	10	Ending DLG LL Key5
LL1KEY6	458	467	10	Starting DLG LL Key6
LL2KEY6	468	477	10	Ending DLG LL Key6
LL1KEY7	478	487	10	Starting DLG LL Key7
LL2KEY7	488	597	10	Ending DLG LL Key7
LL1KEY8	498	507	10	Starting DLG LL Key8
LL2KEY8	508	517	10	Ending DLG LL Key8
LL1KEY9	518	527	10	Starting DLG LL Key9
LL2KEY9	528	537	10	Ending DLG LL Key9
LL1KEY10	538	547	10	Start DLG LL Key 10
LL2KEY10	548	557	10	Ending DLG LL Key10
LN1AT2	558	561	4	DLG Line Attr. 1
LN2AT2	562	565	4	DLG Line Attr. 2
AREA1	566	569	4	DLG Area ID 1
AREA2	570	573	4	DLG Area ID 2
AR1AT2	574	577	4	DLG Area Attribute
AR1AT4	578	581	4	DLG Area Attribute
AR2AT2	582	585	4	DLG Area Attribute
AR2AT4	586	589	4	DLG Area Attribute
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in SACNRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
UPDTSRC1	604	611	8	Update Source #1
UPDATE2	612	617	6	Update Date #2 (mmddyy)
UPDTCD2	618	625	8	Update Type Code#2
UPDTSRC2	626	633	8	Update Source #2
UPDATE3	634	639	6	Update Date #3 (mmddyy)
UPDTCD3	640	647	8	Update Type Code #3
UPDTSRC3	648	655	8	Update Source #3
DIVCU	656	663	8	Divergent CU
DIVSEG	664	667	4	Divergent SEG
DIVMILE	668	672	5.2	Divergent MI
DLGID	673	678	6	DLG Number Special Use For Internal State Codes
FILLER	678	685	7	Filler: Future Use

Note: The structure for the .DBF file varies slightly from the RF3 structure displayed here in that the fields UPDATE1, UPDATE2, and UPDATE3 have a width of 8 and the last two fields, DLGID and FILLER, have been replaced with a field named ID of length 17. This ID field combines the CATUNIT, SEGM, and MI fields.

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) traces. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual hydrographic network and is suitable for conversion into a variety of Geographic Information System formats.

RF3 Trace File: 12345678.TRC in SACNRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
(Header Record)				
CATUNIT	1	8	8	Cataloging Unit
SEGM	9	12	4	Segment Number
MI	13	17	5.2	Mile Point
NPTS	18	21	4	Number of Lat/Lon Coordinates
(Coordinate Record)				
LATITUDE	1	8	8.4	Latitude in Decimal
LONGITUDE	9	16	8.4	Longitude in Decimal
FILLER	17	21	5	

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) catalog unit boundary file. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual catalog unit boundary and is suitable for conversion into a variety of Geographic Information System formats.

Catalog Unit Boundary File: 12345678.CUB in SACNRF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50[t]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[t]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[s]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0[#]	PH	SU	Physical
	00403				≤6.5, ≥9.0[#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical

[1]Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200[=]	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[s]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[s]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[s]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[s]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9+	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9+	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9+	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700+	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18+	1300a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400+	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400+	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400[+]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[+]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[+]	100[s]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[+]	100[s]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[+]	100[s]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[+]	100[s]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[+]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[+]	5000[s]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[+]	5000[s]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[+]	5000[s]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[+]	5000[s]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9[+]	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82[+]	15[a]	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18[+]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[*]	2.0	2130[*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400[*]	2.0	2130[*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[p]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[+]	5.0[s]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[+]	0.1[s]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[+]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13[*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039[+]	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7[+]	0.1	10.3[*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[+]	0.015[a]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4[+]	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4*	0.002	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1+	100s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20c			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20c			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20c			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020c			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20c			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200^	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100[t]			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900[*]	100[t]			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900[*]	100[t]			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100[t]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[t]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270[*]				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270[*]				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270[*]				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0[p]	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0[p]	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40[c]			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40[c]			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40[c]			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30p		7.7p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30p		7.7p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30p		7.7p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0[p]	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[p]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
	61215				200[^]	FECAL COLIFORM, GENERAL #/100ML	#/100ML	Bacteriological
16887006	70352	860	250[s]			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9[+]	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82[+]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[+]	5000[s]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[+]	1300[a]	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250s			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20c			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18+	1300a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	81752	1400[+]	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120[+]	5000[s]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000[*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120[+]	5000[s]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82[+]	15[a]	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9[+]	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[l]	TURBIDITY, FIELD	NTU	Physical
	82079				50[l]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

[*]Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

[+]Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

[***]pH Dependent Criteria (7.8 pH Used).

[=]Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

[!]Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.

[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.

[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-
STORET Code	**Conductivity Parameter Group**	**C.A.S. Number**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-
STORET Code	**Dissolved Oxygen Parameter Group**	**C.A.S. Number**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447
STORET Code	**pH Parameter Group**	**C.A.S. Number**
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (µEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	-
61215	FECAL COLIFORM, GENERAL #/100ML	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

Literature Cited

Code of Federal Regulations. 1994. Protection of Environment. 40 CFR Parts 100 to 149. Revised as of July 1, 1994. Published by the Office of the Federal Register, National Archives and Records Administration. U.S. Government Printing Office, Washington, D.C. 20402.

Gilbert, R. O. 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold Co., New York, NY. 320p.

GKY and Associates. 1990. Dam Inventory Database and Retrieval Software: Final Report. U.S. Environmental Protection Agency, Water Quality Analysis Branch. Under Contract #68-03-3339.

Kunkle, S. and J. Wilson. 1984. Specific Conductance and pH Measurements in Surface Waters: An Introduction for Park Natural Resource Specialists. Water Resources Field Support Laboratory Report No. 84-3. National Park Service, Water Resources Division, Fort Collins, Colorado 80525. 51p.

National Park Service. 1993. Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service. National Park Service, Washington Office, Servicewide Inventory and Monitoring Program, Washington, D.C. Unpublished. 17p.

U.S. Environmental Protection Agency. 1995. Quality Criteria for Water 1995. Final Draft. Office of Water Regulations and Standards, Washington, D.C.

U.S. Environmental Protection Agency. 1989. STORET User Handbook. U.S. Environmental Proteciton Agency, Office of Water, Washington, D.C. 20460.

U.S. Environmental Protection Agency. 1992. Office of Water Environmental and Program Information Systems Compendium. U.S. Environmental Protection Agency, Office of Water, Washington, D.C. 20460. 152p.

U.S. Environmental Protection Agency. 1993. Technical Description of the Reach File. U.S. Environmental Protection Agency, Office of Water, Washington, D.C. 20460. 23p.

U.S. Geological Survey. 1982. A U.S. Geological Survey Data Standard: Codes for the Identification of Hydrologic Units in the United States and Caribbean Outlying Areas. Geological Survey Circular 878-A. U.S. Geological Survey, Water Resources Division, Reston, VA. 22092. 115p.

U.S. Geological Survey 1992. Hydro-Climatic Data Network: A U.S. Geological Survey Streamflow Data Set for the United States for the Study of Climate Variations 1874-1988. Open File Report 92-129/USGS Water Supply Paper No. 2406. U.S. Geological Survey, Water Resources Division, Reston, VA. 22092. 193p.

Ward, R. C., J. C. Loftis, and G. B. McBride. 1990. Design of Water Quality Monitoring Systems. Van Nostrand Reinhold Co., New York, NY. 231p.

Appendix I

Selected General Water Quality References

American Public Health Association. 1989. Standard Methods for the Examination of Water and Wastewater (17th ed.). Washington, D.C. 1476p.

Drever, J. I. 1982. The Geochemistry of Natural Waters. Prentice-Hall, Inc., Englewood Cliffs, NJ. 388p.

Dunne, T. and L. B. Leopold. 1978. Water in Environmental Planning. W.H. Freeman and Company, San Francisco, CA. 818p.

Everett, L. G. 1980. Groundwater Monitoring. General Electric Co., Schenectady, NY. 440p.

Fetter, C. W. 1988. Applied Hydrogeology (2nd ed.). MacMillan Publishing Co., New York, NY. 592p.

Flora, M. D., T. E. Ricketts, J. Wilson, and S. Kunkle. 1984. Water Quality Criteria: An Overview for Park Natural Resource Specialists. WRFSL Report No. 84-4. National Park Service, Water Resources Field Support Laboratory, Fort Collins, CO. 46p.

Gilbert, R. O. 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold Co., New York, NY. 320p.

Hem, J. D. 1985. Study and Interpretation of the Chemical Characteristics of Natural Water (3rd ed.). U.S. Geological Survey Water-Supply Paper 2254. U.S. Government Printing Office, Washington, D.C. 263p.

Kunkle, S., W. S. Johnson, and M. Flora. 1987. Monitoring Stream Water Quality for Land-Use Impacts: A Training Manual for Natural Resource Management Specialists. Water Resources Division, National Park Service, Fort Collins, CO. 102p.

Kunkle, S. and J. Wilson. 1984. Specific Conductance and pH Measurements in Surface Waters: An Introduction for Park Natural Resource Specialists. Water Resources Field Support Laboratory Report No. 84-3. National Park Service, Water Resources Division, Fort Collins, Colorado 80525. 51p.

Merritt, R. W., and K. W. Cummins (eds.). 1984. An Introduction to the Aquatic Insects of North America (2nd ed.). Kendall/Hunt Publishing Co., Dubuque, IA. 44p.

Morel, F. M. 1983. Principles of Aquatic Chemistry. John Wiley & Sons, Inc., New York, NY. 446p.

Nielsen, D. M. (ed.). 1991. Practical Handbook of Ground-Water Monitoring. Lewis Publishers, Inc. Chelsea, MI. 717p.

Ponce, S. L. 1980a. Statistical Methods Commonly Used in Water Quality Data Analysis. WSDG Technical Paper WSDG-TP-00001. U.S. Department of Agriculture, Forest Service, Watershed Systems Development Group, Fort Collins, CO. 136p.

Ponce, S. L. 1980b. Water Quality Monitoring Programs. WSDG Technical Paper WSDG-TP-00002. U.S. Department of Agriculture, Forest Service, Watershed Systems Development Group, Fort Collins, CO. 68p.

Rand, G. M. and S. R. Petrocelli (eds.). 1985. Fundamentals of Aquatic Toxicology. Hemisphere Publishing Co., New York, NY. 666p.

Rantz, S. E. and others. 1982. Measurement and Computation of Streamflow: Volume 1. Measurement of Stage and Discharge. Volume 2. Computation of Discharge. U.S. Department of the Interior, Geological Survey Water Supply Paper 2175. 631p.

Stednick, J.D. and D. M. Gilbert. 1998. Water Quality Inventory Protocol: Riverine Environments. National Park Service, Water Resources Division Technical Report NPS/NRWRD/NRTR-98/177. Fort Collins, CO. 103p.

Stednick, J. D. 1991. Wildland Water Quality Sampling and Analysis. Academic Press, Inc., San Diego, CA. 217p.

United Nations Educational, Scientific and Cultural Organization (UNESCO). 1978. Water Quality Surveys: A Guide for the Collection and Interpretation of Water Quality Data. IHD-WHO Working Group on the Quality of Water, Paris, France. 350p.

U.S. Department of the Interior. 1977. National Handbook of Recommended Methods for Water-Data Acquisition. U.S. Geological Survey, Office of Water-Data Coordination, Reston, VA. 990p.

U.S. Environmental Protection Agency. 1978. Microbiological Methods for Monitoring the Environment: Water and Wastes. R. H. Border, J. A. Winter, and P. W. Scarpino. EPA-600/8-78-017. Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 338p.

U.S. Environmental Protection Agency. 1979b. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-020. (Revised March 1983). Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 460p.

U.S. Environmental Protection Agency. 1983. Water Quality Standards Handbook. Office of Water Regulations and Standards, Washington, D.C. 218p.

U.S. Environmental Protection Agency. 1995. Quality Criteria for Water 1995. Final Draft. Office of Water Regulations and Standards, Washington, D.C.

U.S. Environmental Protection Agency. 1989. Rapid Bioassessment Protocols for Use in Streams and Rivers: Benthic Macroinvertebrates and Fish. J. L. Plafkin, M. T. Barbour, K. D. Porter, S. K. Gross, and R. M. Hughes. EPA-444/4-89-001. Office of Water Regulations and Standards, Assessment and Watershed Protection Division, Washington, D.C. 162p.

U.S. Environmental Protection Agency. 1990. Macroinvertebrate Field and Laboratory Methods for Evaluating the Biological Integrity of Surface Waters. D. J. Klemm, P. A. Lewis, F. Fulk, and J. M. Lazorchak. EPA-600/4-90-030. Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 256p.

U.S. Environmental Protection Agency. 1991a. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (4th ed.). C. I. Weber, ed. EPA-600/4-90-027. Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 293p.

U.S. Environmental Protection Agency. 1991b. Monitoring Guidelines to Evaluate Effects of Forestry Activities on Streams in the Pacific Northwest and Alaska. L. H. MacDonald, A. W.Smart, and R. C. Wissmar. EPA-910/9-91-001. Region 10, Seattle, WA. 162p.

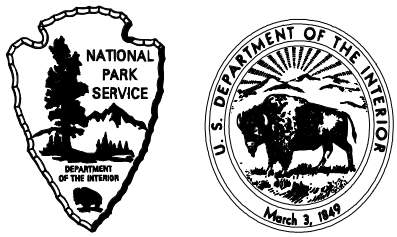
U.S. Environmental Protection Agency. 1993. Guide to Federal Water Quality Programs and Information. T. Stuart and N. P. Ross. EPA-230-B-93-001. Office of Strategic Planning and Environmental Data, Environmental Statistics and Information Division. Washington, D.C. 194p.

Verschueren, K. 1983. Handbook of Environmental Data on Organic Chemicals (2nd ed.). Van Nostrand Reinhold Co., New York, NY. 1310p.

Viessman W. and M. J. Hammer. 1985. Water Supply and Pollution Control (4th ed.). Harper and Row, Publishers, Inc. New York, NY. 797p.

Ward, R. C., J. C. Loftis, and G. B. McBride. 1990. Design of Water Quality Monitoring Systems. Van Nostrand Reinhold Co., New York, NY. 231p.

Wetzel, R. G. 1983. Limnology (2nd ed.). Sanders College Publishing, Philadelphia, PA. 767p.



As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

NPS D-35 December 1995