Baseline Water Quality Data

Inventory and Analysis

Golden Gate National Recreation Area



Water Resources Division and Servicewide Inventory and Monitoring Program

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

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BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

GOLDEN GATE NATIONAL RECREATION AREA

National Park Service
Water Resources Division
Fort Collins, CO 80525

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EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Golden Gate National Recreation Area (GOGA)[†] 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) Water Gages (GAGES); and (6) Water Impoundments (DAMS). This document is one product resulting from a cooperative contractual endeavor between the National Park Service's (NPS) Servicewide Inventory and Monitoring Program, the National Park Service's Water Resources Division (WRD), and Horizon Systems Corporation to retrieve, format, and analyze surface 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 period of record, 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 is a compact disc 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 GOGA study area from the IFD, DRINKS, GAGES, and DAMS databases located 40 industrial/municipal dischargers; 22 drinking water intakes; 20 active or inactive U.S. Geological Survey (USGS), U.S. National Ocean Service, and U.S. Army Corps of Engineers (COE) water gages (including stream, estuary, well, climate, and lake); and 20 water impoundments. The results of the STORET retrieval for the study area yielded 146,476 observations for 432 separate parameters collected by the NPS, USGS, EPA, COE, U.S. Bureau of Reclamation (BOR), and California Water Resources Control Board (CWRCB) at 435 monitoring stations from 1901 through 1999. Approximately 69 percent of the 146,476 observations within the study area were entered by the NPS from data collected from 1906 through 1999. Of the 435 monitoring stations, 225 stations were located within the park boundaries (see Station Period of Record Tabulation). One-hundred-two stations within the study area (31 within the park boundaries) were established but contained no data. Eighteen stations within the study area (five within the park boundaries) were established but did not contain data appropriate for statistical analysis. Fourteen of the 435 monitoring stations contained data locked by the EPA, BOR, and CWRCB[††]. These locked data are not included in the 146,476 total observations retrieved from STORET for the GOGA study area.

Most of the monitoring stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Eighteen stations within the study area (seven within the park boundaries) yielded longer-term records consisting of multiple observations for several important water quality parameters (see Station Period of Record Tabulation). The stations yielding the longer-term records within the park boundaries are: (1) Lobos Creek Control (GOGA 0139); (2) Lobos Creek downstream of Lincoln Blvd (GOGA 0154); (3) San Francisco Bay at Fort Point (GOGA 0209); (4) San Andreas Reservoir (GOGA 0077); (5) Lower Crystal Springs Reservoir (GOGA 0043); (6) Pilarcitos Reservoir (GOGA 0051); and (7) 002S006W02JS01M (spring near Lobos Creek) (GOGA

[†]Surface water quality data retrievals for GOGA park acreage north of the study area appear in the Point Reyes National Seashore (PORE) Baseline Water Quality Data Inventory and Analysis Report (February 2003). The PORE report includes the North District Lands of GOGA, which are administered by PORE, and some GOGA park acreage south of the Bolinas/Fairfax Road that buffers the North District Lands.

[††]When data are entered into STORET and locked by the controlling agency (EPA, BOR, or CWRCB), results of a STORET retrieval are limited to general station information and any "unlocked" portions of the data. Additional data must be obtained by contacting the controlling agency (EPA, BOR, or CWRCB).

0146). The stations yielding the longest-term records with the study area, but outside of the park boundaries, are: (1) San Francisco Bay at Treasure Island (GOGA 0234); (2) Colma Creek at South San Francisco (GOGA 0090); (3) Pacific Ocean in line with Fulton Street (GOGA 0128); (4) Pacific Ocean west of San Mateo County Line (GOGA 0101); (5) Pacific Ocean in line with Lincoln Way (GOGA 0124); and (6) Pacific Ocean in line with Vicente Street (GOGA 0112)[†††].

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 GOGA water quality criteria screen found 21 groups of parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, chloride, cadmium, copper, lead, mercury, and zinc exceeded their respective EPA criteria for the protection of freshwater aquatic life. Dissolved oxygen, pH, chlorine, cadmium, copper, mercury, and zinc exceeded their respective EPA criteria for the protection of marine aquatic life. Chloride, fluoride, sulfate, nitrate, arsenic, cadmium, chromium, lead, mercury, nickel, and DBCP exceeded their respective EPA drinking water criteria. Fecal-indicator bacteria concentrations (total coliform, fecal coliform, E.coli, and enterococci) and turbidity exceeded the WRD screening limits for freshwater and marine water bathing and aquatic life, respectively.

Dissolved oxygen concentrations were measured 4,658 times at 131 monitoring stations from 1963 through 1998. Of the 4,631 observations used in the criteria analysis (see Remark Code Screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 233 concentrations at 20 stations were less than or equal to the 4 milligrams per liter (mg/L) EPA criterion for the protection of aquatic life from 1972 through 1998. Approximately 60 percent of the observations less than or equal to 4 mg/L were reported within GOGA park boundaries in the southern portion of the study area during depth sampling at four reservoir stations (GOGA 0021, GOGA 0043, GOGA 0051, GOGA 0077) from 1996 through 1998.

The pH was measured 5,012 times at 155 monitoring stations from 1951 through 1998. Sixty-two observations at 19 stations were outside the pH ranges of 6.5 to 8.5 standard units (SU) (EPA chronic criteria for marine aquatic life) or 6.5 to 9.0 SU (EPA chronic criteria for freshwater aquatic life) from 1958 through 1997. Forty-eight observations at ten marine stations, within GOGA park boundaries (GOGA 0209, GOGA 0249, GOGA 0251, GOGA 0252, GOGA 0257) and outside GOGA park boundaries in the Pacific Ocean west of Golden Gate (City) Park (GOGA 0124, GOGA 0128), west of the San Mateo County Line (GOGA 0101), west of Vicente Street (GOGA 0112), and west of Daly City (GOGA 0092), were greater than or equal to pH 8.5 from 1965 through 1996. Four observations at three non-marine stations, within GOGA park boundaries in Camino del Canyon (GOGA 0379) and outside GOGA park boundaries in Pilarcitos Creek (GOGA 0011) and South Lake Merced (GOGA 0103), were greater than or equal to pH 9.0 from 1958 through 1998. Ten observations at seven stations, within GOGA park boundaries in Lobos Creek (GOGA 0139) and Rodeo Creek (GOGA 0263) and outside GOGA park boundaries in Martini Creek (GOGA 0057), a spring at John McLaren Park (GOGA 0104), Pilarcitos Creek (GOGA 0011), Denniston Creek (GOGA 0032), and Montana Creek (GOGA 0047), were less than or equal to pH 6.5 from 1974 through 1997[††††]. The lowest pH of 6.2 SU was reported in Denniston Creek at the State

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

[††††]Water quality criteria applied to the data at a particular station are based on the collecting agency's classification of the station (i.e. station type) in STORET. Some agencies and/or programs have classified stations near the same location differently. For example, Rodeo Lagoon is the site of both marine (GOGA 0251, GOGA 0252) and non-marine (GOGA 0246) stations. Consequently, both marine and freshwater criteria are applied near the location.

Route 1 Bridge (GOGA 0032) in February 1975. The highest pH of 10.8 SU was reported within GOGA park boundaries in Muir Woods National Monument in Camino del Canyon (GOGA 0379) in December 1997.

Turbidity concentrations were measured 1,448 times at 80 monitoring stations from 1972 through 1998. Sixty-six observations at 30 stations equaled or exceeded the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric Turbidity Units (JTU/FTU/NTU) from 1973 through 1998. The highest concentration of 950 FTU was reported in Pilarcitos Creek (GOGA 0011) in January 1975.

Total coliform concentrations were measured 27,542 times at 97 monitoring stations from 1972 through 1999. One-thousand-six-hundred-sixty concentrations at 76 stations equaled or exceeded the WRD bathing water screening criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml) from 1972 through 1999. Approximately 99 percent of the observations exceeding the criterion were reported at 69 stations within GOGA park boundaries, including the highest concentration of 500,000 CFU/100 ml in stormwater runoff at Doyle Drive in the Presidio of San Francisco (GOGA 0193) in February 1994. Fecal coliform concentrations were measured 14,466 times at 104 monitoring stations from 1972 through 1999. Of the 14,451 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 1,364 concentrations at 83 stations equaled or exceeded the WRD bathing water screening criterion of 200 CFU/MPN/100 ml from 1972 through 1998. Approximately 97 percent of the observations exceeding the criterion were reported at 73 stations within GOGA park boundaries from 1986 through 1998, including the highest concentration of 300,000 CFU/100 ml in stormwater runoff at Edie Road and O'Reilly Avenue in the Presidio of San Francisco (GOGA 0186) in February 1994. E. coli concentrations were measured 55 times at eight monitoring stations within GOGA park boundaries from 1994 through 1996. Twenty-seven concentrations at seven stations in the Presidio of San Francisco, in Lobos Creek (GOGA 0142, GOGA 0159), El Polin Spring (GOGA 0182), and stormwater runoff at Infantry Terrace (GOGA 0184), Edie Road and O'Reilly Avenue (GOGA 0186), Doyle Drive (GOGA 0193), and Long Avenue (GOGA 0206), exceeded the WRD bathing water screening criterion of 126 CFU/100 ml from 1994 through 1996. Fourteen of the 27 observations exceeding the criterion were reported at two stations in Lobos Creek (GOGA 0142, GOGA 0159) during 1995 and 1996. The highest concentration of 300,000 CFU/100 ml was reported in stormwater runoff at Edie Road and O'Reilly Avenue (GOGA 0186) in February 1994. Enterococci concentrations were measured 14,102 times at 45 monitoring stations from 1989 through 1997. Of the 14,044 concentrations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 2,344 concentrations at 32 marine stations equaled or exceeded the WRD marine water bathing screening criterion of 35 CFU/100 ml from 1989 through 1997. One-hundred-fifty-three concentrations at ten stream stations within GOGA park boundaries in the Presidio of San Francisco in Lobos Creek (GOGA 0135, GOGA 0136, GOGA 0142, GOGA 0144, GOGA 0151, GOGA 0152, GOGA 0159, GOGA 0166, GOGA 0174, GOGA 0176) exceeded the freshwater bathing screening criterion of 33 CFU/100 ml from 1993 through 1996[††††]. Approximately 98 percent of the observations exceeding the criteria were reported at 37 stations within park boundaries. The highest concentration of at least 20,000 CFU/100 ml was reported 18 times at three stations within GOGA park boundaries, at an ocean beach west of the San Mateo County Line (GOGA 0098) during 1989 and 1993 and near Baker Beach (GOGA 0172, GOGA 0177) from 1989 through 1993. Two concentrations of 20,000 CFU/100 ml were reported at an ocean beach within GOGA park boundaries west of Balboa Street (GOGA 0131) in January 1990.

[††††]Water quality criteria applied to the data at a particular station are based on the collecting agency's classification of the station (i.e. station type) in STORET. Some agencies and/or programs have classified stations near the same location differently. For example, Rodeo Lagoon is the site of both marine (GOGA 0251, GOGA 0252) and non-marine (GOGA 0246) stations. Consequently, both marine and freshwater criteria are applied near the location.

Chloride concentrations (including dissolved and total) were measured 1,282 times at 120 monitoring stations from 1906 through 1998. Of the 1,090 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation)[†††††], one total concentration of 4,600 mg/L reported within GOGA park boundaries in Rodeo Lagoon (GOGA 0246) exceeded the secondary drinking water criterion of 250 mg/L and the acute freshwater criterion of 860 mg/L in January 1986.

Total residual chlorine concentrations were measured 20 times at three monitoring stations near municipal effluent discharges, in San Carlos between Smith and Steinberger Sloughs (GOGA 0033), in San Francisco Bay at the North Point Sewage Treatment Plant near Fisherman's Wharf (GOGA 0211), and within GOGA park boundaries in San Francisco Bay near Yellow Bluff and East Fort Baker (GOGA 0287), during 1972. All 20 concentrations at the three marine stations exceeded the acute marine criterion of 0.013 mg/L. Eleven of these 20 concentrations were reported within GOGA park boundaries in San Francisco Bay near Yellow Bluff and East Fort Baker (GOGA 0287), including the highest concentration of 11.5 mg/L in October 1972.

Fluoride concentrations (including dissolved and total) were measured 604 times at 75 monitoring stations from 1951 through 1998. Of the 599 observations used in the criteria analysis[†††††], one total concentration of 6.03 mg/L reported within GOGA park boundaries in the Presidio of San Francisco in Lobos Creek downstream of Lincoln Blvd (GOGA 0154) exceeded the drinking water criterion of 4 mg/L in May 1994.

Sulfate concentrations (including dissolved and total) were measured 924 times at 105 monitoring stations from 1951 through 1998. Of the 910 observations used in the criteria analysis[†††††], one total concentration of 760 mg/L reported within GOGA park boundaries in Rodeo Lagoon (GOGA 0246) exceeded the secondary drinking water criterion of 250 mg/L in January 1986.

Nitrate concentrations (including dissolved and total as N and dissolved and total as NO_3) were measured 1,363 times at 115 monitoring stations from 1906 through 1998. Of the 1,044 observations used in the criteria analysis[†††††], one total NO_3-N concentration of 10.08 mg/L reported within GOGA park boundaries in the Presidio of San Francisco in Lobos Creek approximately 200 feet inland from the Pacific Ocean (GOGA 0173) exceeded the drinking water criterion of 10 mg/L NO_3-N in August 1995.

Arsenic concentrations (including dissolved and total) were measured 253 times at 42 monitoring stations from 1953 through 1996. Two total concentrations of 160 micrograms per liter (µg/L) and 330 µg/L reported within GOGA park boundaries in the Presidio of San Francisco in stormwater runoff near Long Avenue (GOGA 0206) exceeded the drinking water criterion of 50 µg/L during January and February 1994, respectively.

Cadmium concentrations (including dissolved and total) were measured 249 times at 40 monitoring stations from 1972 through 1997. Of the 202 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), six total concentrations, ranging from 4 µg/L to 20 µg/L at four non-marine stations within GOGA park boundaries, in Lobos Creek (GOGA 0139, GOGA 0154), Rodeo Lagoon (GOGA 0246), and Gerbode Valley Creek near Sausalito (GOGA 0265), exceeded the acute freshwater criterion of 3.9 µg/L from 1986 through 1996. Four of these six concentrations also exceeded the drinking water criterion of 5 µg/L from 1986 through 1994. Two total concentrations of 60 µg/L reported

[†††††]Water quality observations collected at marine stations were excluded from the criteria analysis due to the absence of applicable marine criteria for this parameter; however, observations collected at tidally influenced riverine stations may have been included. Depending on tidal conditions at the time of measurement, comparisons of data from tidally influenced riverine stations against the chloride, fluoride, sulfate, nitrate, and chromium drinking water or acute freshwater criteria may not be appropriate.

within GOGA park boundaries at an estuary station, Rodeo Lagoon at Fort Cronkite (GOGA 0251), exceeded the acute marine criterion of 43 µg/L during March and July 1987[††††].

Chromium concentrations (including dissolved and total) were measured 249 times at 40 monitoring stations from 1972 through 1997. Of the 242 observations used in the criteria analysis[†††††], two total concentrations of 150 µg/L and 170 µg/L reported within GOGA park boundaries in the Presidio of San Francisco at El Polin Spring (GOGA 0182) exceeded the drinking water criterion of 100 µg/L during February 1994.

Copper concentrations (including dissolved and total) were measured 258 times at 45 monitoring stations from 1953 through 1997. Sixteen total concentrations at 13 non-marine stations within GOGA park boundaries exceeded the acute freshwater criterion of 18 µg/L from 1986 through 1994. Six total concentrations, ranging from 10 µg/L to 810 µg/L at two marine stations, within GOGA park boundaries in Rodeo Lagoon at Fort Cronkite (GOGA 0251) and outside park boundaries in San Carlos between Smith and Steinberger Sloughs (GOGA 0033), exceeded the acute marine criterion of 2.9 µg/L from 1972 through 1988[††††]. The highest concentration of 810 µg/L was reported in San Carlos between Smith and Steinberger Sloughs (GOGA 0033) in August 1972.

Lead concentrations (including dissolved and total) were measured 258 times at 45 monitoring stations from 1953 through 1997. Two total concentrations of 26 µg/L and 100 µg/L at two non-marine stations within GOGA park boundaries, South Shore of Mountain Lake (GOGA 0149) and Redwood Creek below Muir Woods (GOGA 0373), exceeded the drinking water criterion of 15 µg/L during 1996 and 1987, respectively. The highest concentration of 100 µg/L (GOGA 0373) also exceeded the acute freshwater criterion of 82 µg/L in February 1987.

Mercury concentrations (including dissolved and total) were measured 242 times at 37 monitoring stations from 1972 through 1997. Of the 241 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), two total concentrations of 2.8 µg/L and 3.5 µg/L at two non-marine stations within GOGA park boundaries, South Shore of Mountain Lake (GOGA 0149) and Lobos Creek downstream of Lincoln Blvd (GOGA 0154), exceeded the drinking water criterion of 2.0 µg/L and the acute freshwater criterion of 2.4 µg/L during 1996 and 1994, respectively. One concentration of 4.1 µg/L reported in San Carlos between Smith and Steinberger Sloughs (GOGA 0033) exceeded the acute marine criterion of 2.1 µg/L in August 1972[††††].

Nickel concentrations (including dissolved and total) were measured 80 times at 27 monitoring stations from 1993 through 1997. Two total concentrations of 160 µg/L and 210 µg/L reported within GOGA park boundaries in the Presidio of San Francisco at El Polin Spring (GOGA 0182) exceeded the drinking water criterion of 100 µg/L during February 1994.

Zinc concentrations (including dissolved and total) were measured 258 times at 45 monitoring stations from 1953 through 1997. Of the 257 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 14 total concentrations at nine non-marine stations, within GOGA park boundaries in the Presidio of San Francisco (GOGA 0139, GOGA 0184, GOGA 0186, GOGA 0193, GOGA 0206), Gerbode Valley (GOGA

[††††]Water quality criteria applied to the data at a particular station are based on the collecting agency's classification of the station (i.e. station type) in STORET. Some agencies and/or programs have classified stations near the same location differently. For example, Rodeo Lagoon is the site of both marine (GOGA 0251, GOGA 0252) and non-marine (GOGA 0246) stations. Consequently, both marine and freshwater criteria are applied near the location.

[†††††]Water quality observations collected at marine stations were excluded from the criteria analysis due to the absence of applicable marine criteria for this parameter; however, observations collected at tidally influenced riverine stations may have been included. Depending on tidal conditions at the time of measurement, comparisons of data from tidally influenced riverine stations against the chloride, fluoride, sulfate, nitrate, and chromium drinking water or acute freshwater criteria may not be appropriate.

0266), Tennessee Valley Creek (GOGA 0300), and Green Gulch (GOGA 0321) and outside park boundaries in Calera Creek (GOGA 0079), equaled or exceeded the acute freshwater criterion of 120 µg/L from 1953 through 1996. One total concentration of 1,030 µg/L in San Carlos between Smith and Steinberger Sloughs (GOGA 0033) exceeded the acute marine water criterion of 4.1 µg/L in August 1972[††††]. The highest concentration of 3,374 µg/L was reported within GOGA park boundaries at Lobos Creek Control (GOGA 0139) in February 1996.

Total DBCP concentrations were measured 95 times at two monitoring stations within GOGA park boundaries in the Presidio of San Francisco in Lobos Creek, at Lobos Creek Control (GOGA 0139) and Lobos Creek downstream of Lincoln Blvd (GOGA 0154), from 1994 through 1997. Two concentrations of 2.353 µg/L and 8.293 µg/L reported in Lobos Creek downstream of Lincoln Blvd (GOGA 0154) exceeded the drinking water criterion of 0.2 µg/L in September 1995.

The IDEA conducted for GOGA indicates that STORET data exist for all 13 Level I parameter groups in the study area. Approximately 82 percent of the observations for Level I parameter groups were recorded since 1985. Data for ten groups (Alkalinity, pH, Dissolved Oxygen, Flow, Clarity/Turbidity, Phosphate/Phosphorus, Chlorophyll, Sulfates/Total Dissolved Solids/Hardness, Bacteria, and Toxic Elements) were recorded at less than half of the 319 monitoring stations with data. Relative to other parameter groups, data were limited for the group Chlorophyll. Results for 53 of the 126 EPA priority toxic pollutants (consisting of general organic parameters, metals, and pesticides) were retrieved from STORET.

Surface water resources in the GOGA study area include the Pacific Ocean; San Francisco, Richardson, and Half Moon Bays; Lobos, Redwood, Pilarcitos, and numerous other creeks; Upper and Lower Crystal Springs Reservoirs, San Andreas Lake, and other impoundments; Lake Merced, Mountain Lake, and many other lakes and ponds; Rodeo and other lagoons; some sloughs and marshes; and several springs. Many of these water resources are influenced by tidal flow and contain fresh and saline waters in transition. Based on the data inventories and analyses contained in this report, surface water quality within the study area appears to have been heavily impacted by human activities. Potential anthropogenic sources of contaminants include municipal and industrial wastewater discharges; urban and residential development; stormwater runoff; military operations; marine traffic; agricultural and ranching operations; and recreational activities.

[††††]Water quality criteria applied to the data at a particular station are based on the collecting agency's classification of the station (i.e. station type) in STORET. Some agencies and/or programs have classified stations near the same location differently. For example, Rodeo Lagoon is the site of both marine (GOGA 0251, GOGA 0252) and non-marine (GOGA 0246) stations. Consequently, both marine and freshwater criteria are applied near the location.

TABLE OF CONTENTS

EXECUTIVE SUMMARY v

TABLE OF CONTENTS xi

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) 48
Industrial Facilities Discharges, Drinking Water Intakes, Water Gages,
and Water Impoundments Table 53
Representative Mean Annual Hydrograph for Seasonal Analysis 56
Contacts for Agency Codes Retrieved 57
Quantity of Data Retrieved by Agency Code 58
Station Period of Record Tabulation 59
Parameter Period of Record Tabulation 66
Station/Parameter Period of Record Tabulation 73
Station-By-Station Results 145
GOGA0001 Purisima C Nr Half Moon Bay CA 147
GOGA0002 Purishima Cr Nr Half Moon Bay 149
GOGA0003 Redwood C A Redwood City CA 150
GOGA0004 Arroyo Leon C A Dam Ab Higgens Rd 151
GOGA0005 Arroyo Leon C A Kelly Ave 152
GOGA0006 Unnamed Strm Trib. to Upper Crys 154
GOGA0007 Pilarcitos C A Half Moon Bay CA 155
GOGA0008 Pilarcitos Cr Ab Arroyo Leon Cr 156
GOGA0009 41-011 Nunes WTP 157
GOGA0010 Pilarcitos Creek at Elmar Beach 158
GOGA0011 Pilarcitos C Bl Madonna Ck 159
GOGA0012 Madonna C A Miramontes Ridge 161
GOGA0013 Corinda Los Trancos C N Half Mn B 163
GOGA0014 Upper Crystal Springs Reservoir Tributary #4 165
GOGA0015 Frenchmans Creek Nr Half Moon Bay 167
GOGA0016 Frenchmans Creek at Half Moon Bay 168
GOGA0017 Upper Crystal Springs Reservoir Tributary #5 170
GOGA0018 Pilarcitos Cr Below Nuff Creek 172
GOGA0019 Pilarcitros C Sf A Mo A Albert Cn 173
GOGA0020 Upper Crystal Springs Reservoir Tributary #3 175
GOGA0021 Upper Crystal Springs Reservoir 177
GOGA0022 Pilarcitros C Ab S F A Albert Cn 179
GOGA0023 Upper Crystal Springs Reservoir Tributary #2 181
GOGA0024 Center of Upper Crystal Springs Reservoir 183
GOGA0025 Frenchmans Creek East of Miramar 185
GOGA0026 Crystal Springs Lake (Crystal Spgs Reservoir) 186
GOGA0027 Cordilleras C A Hwy 101 188
GOGA0028 Denniston Cr at Princeton 190
GOGA0029 Ocean Beach near Vicente Overflow Structure 191
GOGA0030 Ocean Beach near Vicente Overflow Structure 192
GOGA0031 Upper Crystal Springs Reservoir Tributary #1 193
GOGA0032 Denniston C A Hwy 1 A El Granada 195
GOGA0033 Btwn Smith & Steinberger Sloughs 197
GOGA0034 Frenchmans Creek near Half Moon 199

GOGA0035 Belmont Pumping Station 200
GOGA0036 Belmont Cr at Hwy 101 at Belmont 202
GOGA0037 Denniston Creek Below Dam 204
GOGA0038 41-011 Denniston WTP 205
GOGA0039 Denniston Creek Above Reservoir 206
GOGA0040 San Vicente C A Etheldore Rd 208
GOGA0041 38-001 Stone Dam Reservoir-Raw 210
GOGA0042 38-001 Lower Crystal Springs Res.-Raw 211
GOGA0043 Lower Crystal Springs Reservoir 212
GOGA0044 Dean C Ab Cabrillo Hwy A Moss Bea 214
GOGA0045 Center of Lower Crystal Springs Reservoir 216
GOGA0046 Denniston C Nr Half Moon Bay CA 218
GOGA0047 Montara C A Elm St A Montara 219
GOGA0048 Unnamed Strm Trib. to Lower Crys 221
GOGA0049 41 010 Montara Water Treatment Plant 222
GOGA0050 38-001 Pilarcitos Reservoir-Raw 223
GOGA0051 Pilarcitos Reservoir 224
GOGA0052 Lake Pilarcitos (Pilarcitos Reservoir) 226
GOGA0053 Center of Pilarcitos Lake 228
GOGA0054 41-010 Montara Creek 230
GOGA0055 Martini C A San Pedro Mtn Rd 232
GOGA0056 The Lake at Newark Calif 233
GOGA0057 Martini C S F Nr Montara 235
GOGA0058 Martini C N F Nr Montara 237
GOGA0059 Green Valley Creek at Highway 1 239
GOGA0060 41-025 San Pedro Creek 241
GOGA0061 San Pedro Cr Trib Ab Sanchez School 242
GOGA0062 San Pedro C Trib Ab Sanchez Sch 243
GOGA0063 San Andreas Reservoir at Pilarcitos Outfall 244
GOGA0064 San Andreas Res. at Lower Crystal Spgs Outfall 245
GOGA0065 41 025 San Pedro Water Treatment Plant 246
GOGA0066 Lake San Andreas (San Andreas Reservoir) 247
GOGA0067 San Pedro Creek at Linda Mar Blvd 249
GOGA0068 San Andreas Reservoir at Boat Ramp 251
GOGA0069 San Andreas Reservoir (Mid-Reservoir) 252
GOGA0070 San Pedro Creek at Pacifica Calif 253
GOGA0071 Pedro Valley Trib to San Pedro C 255
GOGA0072 San Pedro C A Hwy 1 %Br No 35-53< 256
GOGA0073 Center of San Andreas Lake 258
GOGA0074 38-001 San Andrea Reservoir-Raw 260
GOGA0075 San Andreas Reservoir 261
GOGA0076 Point San Pedro 262
GOGA0077 San Andreas Reservoir 263
GOGA0078 Rockaway Beach Un-Kn C A Ebken St 265
GOGA0079 Calera C A Mouth A Rockaway Beach 266
GOGA0080 Calera Creek at Rockaway Beach 268
GOGA0081 Calera C A Vallemar -Reina Delmar 270
GOGA0082 Calera Creek Trib at Vallemar 272
GOGA0083 San Andreas Lake North Tributary 274
GOGA0084 Laguna Salada Cr at Marsh Lagoon 275
GOGA0085 Laguna Salada Ck A Hwy 1 A Pacifa 276
GOGA0086 Salt Cr at Conf, Laguna Salada Cr 278
GOGA0087 San Bruno C A Engvall Sch 279
GOGA0088 Milagra Valley Creek at Edgemar Ave 281

GOGA0089 Spruce Branch at South San Francisco Calif 282
GOGA0090 Colma C A South San Francisco CA 283
GOGA0091 Coloma C A South San Francisco 318
GOGA0092 Pacific Ocean 2 1/2 Mi South of Outfall Diffuser 319
GOGA0093 Pacific Ocean at Mussel Rocks 325
GOGA0094 Pacific Ocean at Shoreline near Daly City 327
GOGA0095 Pacific Ocean South of Thornton Beach State Park 329
GOGA0096 Pacific Ocean Southeast of Outfall Diffuser 331
GOGA0097 Surf Nr Lake Merced Overflow Structure 333
GOGA0098 Ocean Beach in the Surf W of San Mateo County Ln 334
GOGA0099 Oceanside Receiving Water Station 1 345
GOGA0100 Ocean Beach at Lake Merced Overflow Structure 346
GOGA0101 Pacific Ocean West of San Mateo County Line 347
GOGA0102 South Lake Merced 361
GOGA0103 Center of South Lake Merced 363
GOGA0104 002S005W33BS01M 365
GOGA0105 38-001 Lake Merced-Raw 367
GOGA0106 Lk Merced A Boathouse at San Francisco CA 368
GOGA0107 Center of North Lake Merced 370
GOGA0108 North Lake Merced 372
GOGA0109 Ocean Beach in the Surf in Line with Vicente St 374
GOGA0110 002S006W25AS01M 385
GOGA0111 Ocean Beach at the Vicente Overflow Structure 387
GOGA0112 Pacific Ocean in Line with Vicente Street 388
GOGA0113 Ocean Beach in the Surf in Line with Cutler Ave 402
GOGA0114 Ocean Beach in the Surf in Line with Cutler Ave 403
GOGA0115 College Hill Reservoir 405
GOGA0116 Pacific Ocean Off Ocean Avenue 407
GOGA0117 002S005W21KS01M 408
GOGA0118 Ocean Beach in the Surf in Line with Pacheco St 410
GOGA0119 Lake Honda (Laguna Honda) 415
GOGA0120 Clarendon Heights Reservoir 417
GOGA0121 Ocean Beach Opposite Vicente Street 419
GOGA0122 Midway Between Stations WQ19 & WQ21 420
GOGA0123 Ocean Beach Oppsite Lincoln Way 421
GOGA0124 Pacific Ocean in Line with Lincoln Way 422
GOGA0125 Ocean Beach at the Lincoln Overflow Structure 436
GOGA0126 Ocean Beach in the Surf in Line with Lincoln Way 437
GOGA0127 Ocean Street at Foot of Cabrillo Street 448
GOGA0128 Pacific Ocean in Line with Fulton Street 449
GOGA0129 Point San Quentin-San Francisco Bay North 464
GOGA0130 Ocean Beach in the Surf in Line with Balboa St 466
GOGA0131 Ocean Beach in the Surf in Line with Balboa St 467
GOGA0132 Rgn 9 478
GOGA0133 San Francisco Water Dept. 481
GOGA0134 002S006W01MS01M 482
GOGA0135 Lobos Creek-Specific Location Unknown 484
GOGA0136 Lobos Creek near 18th Avenue 485
GOGA0137 Lobos Creek 486
GOGA0138 Lobos Creek 700 Feet Upstream of Lincoln Blvd 488
GOGA0139 Lobos Creek Control 491
GOGA0140 Lobos C CA 495
GOGA0141 Lobos Creek near North Spring 497
GOGA0142 Lobos Creek at the 22nd Avenue Overcrossing 498

GOGA0143 Lobos Creek 500 Feet Upstream of Lincoln Blvd 500
GOGA0144 Lobos Creek near South Spring 503
GOGA0145 Lobos Creek Upstream of Lincoln Blvd 504
GOGA0146 002S006W02JS01M 505
GOGA0147 South Shore of Mountain Lake 507
GOGA0148 Southwest Corner of Mountain Lake 509
GOGA0149 South Shore of Mountain Lake 510
GOGA0150 Sediment Core from South Shore of Mountain Lake 512
GOGA0151 Lobos Creek Just Upstream of Lincoln Blvd 513
GOGA0152 Lobos Creek near Drinking Water Diversion 514
GOGA0153 Lobos Creek 50 Feet Downstream of Lincoln Blvd 515
GOGA0154 Lobos Creek Downstream of Lincoln Blvd 518
GOGA0155 Opposite Bathhouse on Phelan Beach 522
GOGA0156 Center of Mountain Lake 523
GOGA0157 Center of Mountain Lake 525
GOGA0158 East Part of Mountain Lake 528
GOGA0159 Lobos Creek 50 Feet Downstream of Lincoln Blvd 531
GOGA0160 East Finger of Mountain Lake 533
GOGA0161 Sediment Core from West Shore of Mountain Lake 534
GOGA0162 East Shore of Mountain Lake 536
GOGA0163 San Francisco Bay 1.5Km South of Yerba Buena Isl 537
GOGA0164 North Finger of Mountain Lake 543
GOGA0165 Lobos Creek 500 Feet Downstream of Lincoln Blvd 544
GOGA0166 Lobos Creek D/S of Drinking Water Diversion 547
GOGA0167 China Beach near Sea Cliff 1 Pump Station 548
GOGA0168 Phelan Beach (China Beach) in the Surf 549
GOGA0169 Southwestern End of Bakers Beach 560
GOGA0170 Lobos Cr at 25 Ave in Presidio 561
GOGA0171 Baker Beach Opposite Sea Cliff 2 Pump Station 562
GOGA0172 Baker Beach Opposite Sea Cliff 2 Pumping St 563
GOGA0173 Lobos Creek 200 Feet Inland from Pacific Ocean 574
GOGA0174 Terminus of Lobos Creek at Baker Beach 577
GOGA0175 Storm Water from Golf Course Under Hwy. 1 Bridge 579
GOGA0176 Lobos Creek near Terminus 2Nd Discharge Pipe 581
GOGA0177 Baker Beach in the Surf near Parking Lot Path 583
GOGA0178 Baker Beach near Sea Cliff 2 Pump Station 594
GOGA0179 SF Bay SF Port Pier 24 Bay Br W-2 595
GOGA0180 SF Bay SF Port Pier 24 Bay Br W-2 596
GOGA0181 Mouth of Lobos Creek Surf 597
GOGA0182 El Polin Spring (Macarthur Ave at El Polin Loop) 598
GOGA0183 SF Bay near Bay Bridge Support B 600
GOGA0184 Storm Water from Infantry Terrace 601
GOGA0185 S.F. Bay Nr SF-Oak Br Off Rincon 603
GOGA0186 Storm Water from Edie Road and O'Reilly Avenue 605
GOGA0187 San Francisco Bay A Bay Bridge CA 607
GOGA0188 Pacific Ocean A Golden Gate Chann 608
GOGA0189 South Bay West of Helmet Rock 610
GOGA0190 At S F Bay Bridge Support D. 612
GOGA0191 S.F. Bay W of Yerba Buena Isl 613
GOGA0192 Lombard Street Reservoir 615
GOGA0193 Storm Water from North Side of Doyle Drive 617
GOGA0194 Francisco Street Reservoir 619
GOGA0195 Central San Francisco Bay: South Golden Gate Br 621
GOGA0196 S.F. Bay at Crissey Field near Cypress Tree 625

GOGA0197 S.F. Bay at Crissey Field West of Tidal Chnl 630
GOGA0198 At STP 300 Yd N of Telegraph Hil 635
GOGA0199 San Francisco Bay at Crissey Field Nr Noaa Bldg 636
GOGA0200 At STP 300 Yd N of Telegraph Hil 641
GOGA0201 San Francisco Bay at Crissey Field Nr Bathrooms 642
GOGA0202 San Francisco Bay at St. Francis Yacht Club 643
GOGA0203 San Francisco Bay at Hyde Street Pier 648
GOGA0204 San Francisco Bay near Aquatic Park 650
GOGA0205 San Francsico Bay near St. Francis Yacht Club 654
GOGA0206 Storm Water from Parking Area near Long Avenue 656
GOGA0207 At End of San Francisco Pier 35 658
GOGA0208 San Francisco Bay at Aquatic Park Nr Bathrooms 659
GOGA0209 S.F.Bay at Fort Point 664
GOGA0210 At End of San Francisco Pier 37 666
GOGA0211 San Francisco at Northpoint 667
GOGA0212 Near Aquatic Park in S.F. Bay 668
GOGA0213 5000 Ft Offshore from Pier 23. 669
GOGA0214 Central S.F. Bay: Muni Pier 670
GOGA0215 Within 100 Ft of Pier 29 Dischrg 671
GOGA0216 100 Ft Offshore Pier 33 Discharg 672
GOGA0217 San Francisco Bay at Fort Point 673
GOGA0218 100 Ft Offshore Pier 35 Discharg 675
GOGA0219 At Pt of Dischrg Btwn Pier 37&39 676
GOGA0220 Milagra Valley Creek at Hwy 1 677
GOGA0221 Central San Francisco Bay: Yerba Buena Island 678
GOGA0222 5000 Ft Offshore from Pier 41. 682
GOGA0223 S.F.Bay at Golden Gate 683
GOGA0224 600 Ft Out, Off End of Pier 39 684
GOGA0225 San Francisco Bay- Treasure Island Beach 685
GOGA0226 1600 Ft Offshor Pier 33 Discharg 686
GOGA0227 1600 Ft Offshor Pier 35 Discharg 687
GOGA0228 Golden Gate at Gg Br Nr SF Tower 688
GOGA0229 San Francisco Bay A Alcatraz Island CA 689
GOGA0230 San Francisco Bay A Golden Gate Bridge CA 690
GOGA0231 N SF Bay- Midway Between Alcatraz Isl.And SF. 691
GOGA0232 Buoy Fi Bell #Br 693
GOGA0233 Buoy Fi 4 Sec #4 694
GOGA0234 S.F. Bay A Treasure Isl 695
GOGA0235 Center of Disposal Site - No 1 Location 733
GOGA0236 Dummy Station For Central S.F. Bay Salmon Trawl 734
GOGA0237 Center of Disposal Site - No 1 Location 735
GOGA0238 Center of Disposal Site - No 1 Location 736
GOGA0239 Pacific Ocean at Potatopatch Shoal 737
GOGA0240 4100 Ft Out, Off End of Pier 35 738
GOGA0241 Central San Francisco Bay: North Golden Gate Br 739
GOGA0242 N SF Bay 500 Yds East of Treasure Isl. Docks. 743
GOGA0243 600 Ft Out, Off End of Pier 33 747
GOGA0244 Rodeo Lagoon at the Far West Transect 748
GOGA0245 Rodeo Lagoon at the West Transect 749
GOGA0246 Rodeo Lagoon Calif 750
GOGA0247 Rodeo Lagoon at the Pedestrian Bridge 752
GOGA0248 Rodeo Lagoon at the East Transect 753
GOGA0249 North Side of Rodeo Lagoon 754
GOGA0250 Rodeo Lagoon at the Far East Transect 756

GOGA0251 Rodeo Lagoon at Fort Cronkite; near Sausalito 757
GOGA0252 Rodeo Lagoon at Foot Bridge 760
GOGA0253 Rodeo Lagoon at the Stop Sign 762
GOGA0254 N San Francisco 763
GOGA0255 Rodeo Lagoon near the Fresh-Water Inlet 764
GOGA0256 Rodeo Lagoon at the Wooden Bridge 765
GOGA0257 Rodeo Lagoon near Fresh-Water Inlet 766
GOGA0258 Rodeo Stable Direct Runoff 768
GOGA0259 Rodeo Lagoon at the Road Bridge 769
GOGA0260 South Shore of Rodeo Lake 770
GOGA0261 Southern Side of Rodeo Lake 771
GOGA0262 South Side of Rodeo Lake 772
GOGA0263 Rodeo Creek Upstream of Stables 775
GOGA0264 Rodeo Creek Upstream from Horse Stables 777
GOGA0265 Gerbode Valley Creek near Sausalito 779
GOGA0266 Gerbode Valley Calif 782
GOGA0267 SF Bay at N End of Treasure Is 784
GOGA0268 SF Bay NW of Treasure Island 785
GOGA0269 Rodeo Creek 1000 Feet Upstream of Rodeo Lake 786
GOGA0270 Rodeo Creek where Gerbode Creek Enters It 788
GOGA0271 Rodeo Lagoon C Ab Lag Marin Penins 791
GOGA0272 Rodeo Creek Downstream from the Horse Stables 793
GOGA0273 Rodeo Creek Downstream of Stables 795
GOGA0274 N SF Bay 600 Yds NW of Light R"2" near Treas.Isl 797
GOGA0275 San Francisco Bay near Harding Rock 798
GOGA0276 Gerbode Creek 1000 Ft Upstream from Rodeo Creek 804
GOGA0277 Near Yellow Bluff on Marin Penin 807
GOGA0278 Near Yellow Bluff on Marin Penin 808
GOGA0279 Mid-San Fran Bay Buoy Hr 809
GOGA0280 Rodeo Creek Below Seepage near Sewage Pump House 810
GOGA0281 Rodeo Creek Above Seepage near Sewage Pumphouse 812
GOGA0282 Near Yellow Bluff on Marin Penin 814
GOGA0283 Near Yellow Bluff on Marin Penin 815
GOGA0284 Near Yellow Bluff on Marin Penin 816
GOGA0285 Near Yellow Bluff on Marin Penin 817
GOGA0286 Near Yellow Bluff on Marin Penin 818
GOGA0287 Near Yellow Bluff on Marin Penin 819
GOGA0288 Near Yellow Bluff on Marin Penin 821
GOGA0289 Near Yellow Bluff on Marin Penin 822
GOGA0290 Near Yellow Bluff on Marin Penin 823
GOGA0291 Near Yellow Bluff on Marin Penin 824
GOGA0292 Near Yellow Bluff on Marin Penin 825
GOGA0293 Near Yellow Bluff on Marin Penin 826
GOGA0294 Near Yellow Bluff on Marin Penin 827
GOGA0295 Near Yellow Bluff on Marin Penin 828
GOGA0296 San Francisco Bay 2.5Km North of Treasure Isl 829
GOGA0297 Elk Valley C Ab Lag Marin Penninsula 835
GOGA0298 N Sf Bay 1300 Yds SW of Pt Knox on Angel Isl. 837
GOGA0299 Tennessee Valley Calif 839
GOGA0300 Tennessee Valley Creek near Tamalpais Valley 841
GOGA0301 At End of Abandond Berkeley Pier 844
GOGA0302 N San Francisco 845
GOGA0303 End of Berkely Pier 846
GOGA0304 Tennessee Valley Creek Below NPS Stables 847

GOGA0305 San Francisco Bay A Pt Blunt CA 849
GOGA0306 Sausalito 2275 Yds N Yellow Bluf 850
GOGA0307 Sausalito 2275 Yds N Yellow Bluf 851
GOGA0308 Buoy Fir 4 Sec #2 852
GOGA0309 Richardson Bay North of Light 2 853
GOGA0310 Tennessee Valley Creek Below Miwok Stables 854
GOGA0311 San Francisco Bay 1.5Km East of Angel Island 856
GOGA0312 Big Lagoon 1000 Feet East of Muir Beach 862
GOGA0313 Big Lagoon 500 Feet East of Muir Beach 863
GOGA0314 The Pool in Big Lagoon Behind Muir Beach 864
GOGA0315 Redwood C A Muir Beach 865
GOGA0316 Backwater Channel Above Muir Beach Parking Lot 867
GOGA0317 Redwood Creek 100 Feet Upstream of Big Lagoon 868
GOGA0318 Redwood Creek at Muir Beach Parking Lot 869
GOGA0319 Redwood Creek at Muir Beach Parking Lot 871
GOGA0320 Green Gulch Creek Below Banducci's Lower Pasture 874
GOGA0321 Green Gulch Calif 875
GOGA0322 Green Gulch Creek Above Banducci's Lower Pasture 877
GOGA0323 Redwood Creek at Muir Beach 878
GOGA0324 Green Gulch at Muir Beach 881
GOGA0325 N San Francisco 884
GOGA0326 Redwood Creek at Pacific Way Bridge 885
GOGA0327 Redwood Creek at Pacific Way Bridge 886
GOGA0328 Redwood Creek at Pacific Way Bridge 888
GOGA0329 Redwood Creek @ Hwy 1 Calif 890
GOGA0330 Richardson Bay Buoy 8 892
GOGA0331 Drainage Ditch in Front of Tinker's Stables 893
GOGA0332 Golden Gate Dairy Below Highway 1 Culvert 894
GOGA0333 Tinker Stable Culvert Runoff 896
GOGA0334 N Sf Bay 1800 Yds East of Angel Island. 897
GOGA0335 Redwood Creek 1 Km from Ocean at Muir Beach 901
GOGA0336 Tinker Stable Direct Runoff 902
GOGA0337 Golden Gate Dairy Below Horse Paddock 903
GOGA0338 Redwood Creek Downstream of Banducci's Farm 904
GOGA0339 San Francisco Bay 3.5Km West of Berkeley Hbr 905
GOGA0340 Golden Gate Dairy Control Site 911
GOGA0341 Golden Gate Dairy Walkway 912
GOGA0342 Tennessee Valley Creek at Oakwood Creek 913
GOGA0343 Banducci Trib. 3/4 Mile Northwest of Big Lagoon 915
GOGA0344 Tomales Bay-Tomales Bay 917
GOGA0345 Bolinas Lagoon 920
GOGA0346 Nicks Cove-Tomales Bay 921
GOGA0347 Near Yellow Bluff on Marin Penin 922
GOGA0348 Near Yellow Bluff on Marin Penin 923
GOGA0349 Redwood Creek Upstream of Banducci's Farm 924
GOGA0350 Between Pt. Tiburon and Bluff Pt 925
GOGA0351 Redwood Creek at Banducci Bridge 926
GOGA0352 Marin City E of Strawberry Pt 928
GOGA0353 Marin City E of Strawberry Pt 929
GOGA0354 Between Pt. Tiburon and Bluff Pt 930
GOGA0355 Between Pt. Tiburon and Bluff Pt 931
GOGA0356 Between Pt. Tiburon and Bluff Pt 932
GOGA0357 Between Pt. Tiburon and Bluff Pt 933
GOGA0358 Between Pt. Tiburon and Bluff Pt 934

GOGA0359 Coyote C A Maple St-Tamalpais Val 935
GOGA0360 Redwood Creek 500 Feet South of Kent Canyon 937
GOGA0361 Kent Creek at the Redwood Creek Confluence 938
GOGA0362 San Francisco Bay A Tiburon CA 939
GOGA0363 South End Richardson Bay Br 940
GOGA0364 South End Richardson Bay Br 941
GOGA0365 Richardson Bay at Hwy 101 942
GOGA0366 San Francisco Bay 1.5Km North of Angel Island 944
GOGA0367 Camino Del Canyon at Redwood Creek Confluence 950
GOGA0368 Redwood Creek at Muir Woods Road Mile Marker 2 951
GOGA0369 Redwood Creek at Muir Woods Road Mile Marker 2.0 953
GOGA0370 Redwood Creek @ Muir Woods Calif 956
GOGA0371 Redwood Creek at Muir Woods Bridge 958
GOGA0372 Redwood Creek at Muir Woods (Concrete) Bridge 960
GOGA0373 Redwood Creek Below Muir Woods 962
GOGA0374 N Sf Bay- 1600 Yds NE of Bluff Pt on Tiburon Pen 965
GOGA0375 Redwood Creek at Entrance to Muir Woods N.M. 969
GOGA0376 Redwood Creek at Dipsea Bridge 970
GOGA0377 1950 Yds N Strawberry Pt. 971
GOGA0378 600 Ft Out, Off End of Pier 29 972
GOGA0379 Camino Del Canyon Above Slide 973
GOGA0380 Central San Francisco Bay: North Richardson Bay 974
GOGA0381 San Francisco Bay- Paradise Beach County Park 978
GOGA0382 Redwood Creek Downstream from Cathedral Grove 979
GOGA0383 Fern Creek at the Mouth in Muir Woods N.M. 981
GOGA0384 Central San Francisco Bay: East Tiburon Penin. 983
GOGA0385 Fern Creek 500 Feet Upstream from Redwood Creek 987
GOGA0386 Redwood Creek 650 Ft North of Muir Woods N.M. 988
GOGA0387 Buoy Fi 4 Sec #2 989
GOGA0388 Arroyo Corte Mad Pres Bl Old Mill 990
GOGA0389 Buck Creek at Mouth (Redwood Creek Confluence) 992
GOGA0390 Redwood Creek 300 Feet Upstream of Buck Creek 994
GOGA0391 Buoy Fir #6 996
GOGA0392 Buoy Fig 4 Sec 997
GOGA0393 SF Bay near Blk Buoy #9 Richmond 998
GOGA0394 SF Bay near Blk Buoy #9 Richmond 999
GOGA0395 SF Bay near Blk Buoy #9 Richmond 1000
GOGA0396 SF Bay near Blk Buoy #9 Richmond 1001
GOGA0397 SF Bay near Blk Buoy #9 Richmond 1002
GOGA0398 SF Bay near Blk Buoy #9 Richmond 1003
GOGA0399 SF Bay near Blk Buoy #9 Richmond 1004
GOGA0400 SF Bay near Blk Buoy #9 Richmond 1005
GOGA0401 SF Bay near Blk Buoy #9 Richmond 1006
GOGA0402 SF Bay near Blk Buoy #9 Richmond 1007
GOGA0403 SF Bay near Blk Buoy #9 Richmond 1008
GOGA0404 Headwaters of Redwood Creek by Pan Toll Station 1009
GOGA0405 SF Bay near Blk Buoy #9 Richmond 1011
GOGA0406 SF Bay near Blk Buoy #9 Richmond 1012
GOGA0407 Redwood Creek Headwaters at Bootjack Camp 1013
GOGA0408 Redwood Creek Headwaters at Bootjack Camp 1016
GOGA0409 Headwaters of Redwood Creek by Bootjack Restroom 1018
GOGA0410 5 Feet North of Goga_ICB94S_5 1020
GOGA0411 21-301 Alice Eastwood Creek Diversion 1022
GOGA0412 Headwaters of Redwood Creek by Highway Mile 4.2 1023

GOGA0413 Headwaters of Redwood Creek by Highway Mile 3.2 1025
GOGA0414 San Francisco Bay A Pt Richmond CA 1027
GOGA0415 San Francisco Bay. Point Molate Beach 1028
GOGA0416 21-301 Bootjack Creek Diversion-Raw 1029
GOGA0417 San Francisco Bay. Point Molate Beach 1030
GOGA0418 San Francisco Bay near Red Rock 1031
GOGA0419 N Sf Bay About 1400 Yds SW of Red Rock 1037
GOGA0420 Central S.F. Bay: Paradise Park Pier 1045
GOGA0421 21-301 Summit Spring Box-Raw 1046
GOGA0422 21-002 Lagunitas Lake Dam at 10Ft Depth 1047
GOGA0423 Corte Madera C Nr College Av A Kentfield Xsec 0 1048
GOGA0424 Corte Madera C Nr College Av A Kentfield Xsec 1 1049
GOGA0425 Corte Madera C Nr College Av A Kentfield Xsec 2 1050
GOGA0426 21-002 Bttp-Treated Water-Lake Bon Tempe 1051
GOGA0427 Corte Madera C Nr College Av A Kentfield Xsec 3 1052
GOGA0428 Corte Madera C Nr College Av A Kentfield Xsec 4 1053
GOGA0429 Corte Madera C Nr College Av A Kentfield Xsec 6 1054
GOGA0430 Corte Madera C Nr College Av A Kentfield Xsec 5 1055
GOGA0431 Corte Madera C Bl Marin College 1056
GOGA0432 Corte Madera C A College Av A Kenfield CA 1058
GOGA0433 21-002 Phoenix Lake Dam at 10Ft Depth 1059
GOGA0434 21-002 Bon Tempe Lake Dam at 10Ft Depth 1060
GOGA0435 Corte Madera C A Ross CA 1061
EPA Water Quality Criteria Analysis for Entire Park Study Area 1064
NPS Servicewide Inventory and Monitoring Program
"Level I" Water Quality Inventory Data Evaluation and Analysis (IDEA) 1067
Water Quality Observations Outside STORET Edit Criteria for Park 1074

V. APPENDICES 1077
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 the CD 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 CD. 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.

Mike Matz coordinated and managed the team which prepared all components of the report.

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.

Scott Ratchford helped prepare reports and write the Executive Summary.

Elizabeth Eisenhauer, Scott Ratchford, Nils Babel, and Karyn Boldys provided digital cartographic support, both in determining retrieval/query areas and producing maps and graphics.

Paul McElvery, Adriane Petersen, and Clint Bassett 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.

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 the CD 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 CD (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 CD (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 CD (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 CD (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 CD 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 the CD 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 CD containing these databases accompanies 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 CD 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 CD 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 the CD

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 the CD 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 the CD 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 the CD 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 the CD 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 the CD 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.

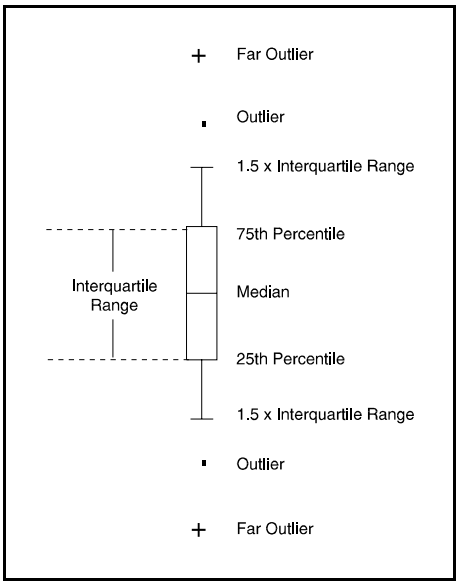
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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 CD 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 CD 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 CD. 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 CD 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 the CD 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 the CD accompanying this report. Digital, reproducible copies of this seasonal analysis graphic are also included on the CD 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 CD (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 CD (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 CD (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 CD (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 CD (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 the CD 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 CD 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 μeq/l H^+; and (3) μeq/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 μeq/l H^+ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as μeq/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 CD (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 CD (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 CD (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 CD (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 CD (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 CD (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 CD (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 GOGA

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:	283022	51157[^]
# STORET Stations:	435	225
# Stations With No Data:	102	31
# Stations With No Stat. Analysis:	18	5
# Longer Term Stations:	18	7
Date of STORET Retrieval:	12/29/99	12/29/99
Period of Record:	01/01/01-12/29/99	01/01/01-12/29/99
# Parameters Measured:	432	313
# Water Quality Observations:	146476	85924
# Industrial/Municipal Facilities:	40	6
# Drinking Water Intakes:	22	11
# Water Gages:	20	5
# Water Impoundments:	20	5
# Total Plots:	151	40
# Time Series:	45	7
# Annual:	68	26
# Seasonal:	38	7

Hydrologic Definition of Seasons:

1. May 15 - October 9
2. October 10 - January 14
3. January 15 - May 14

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 10 years and at least 40 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 8 years.

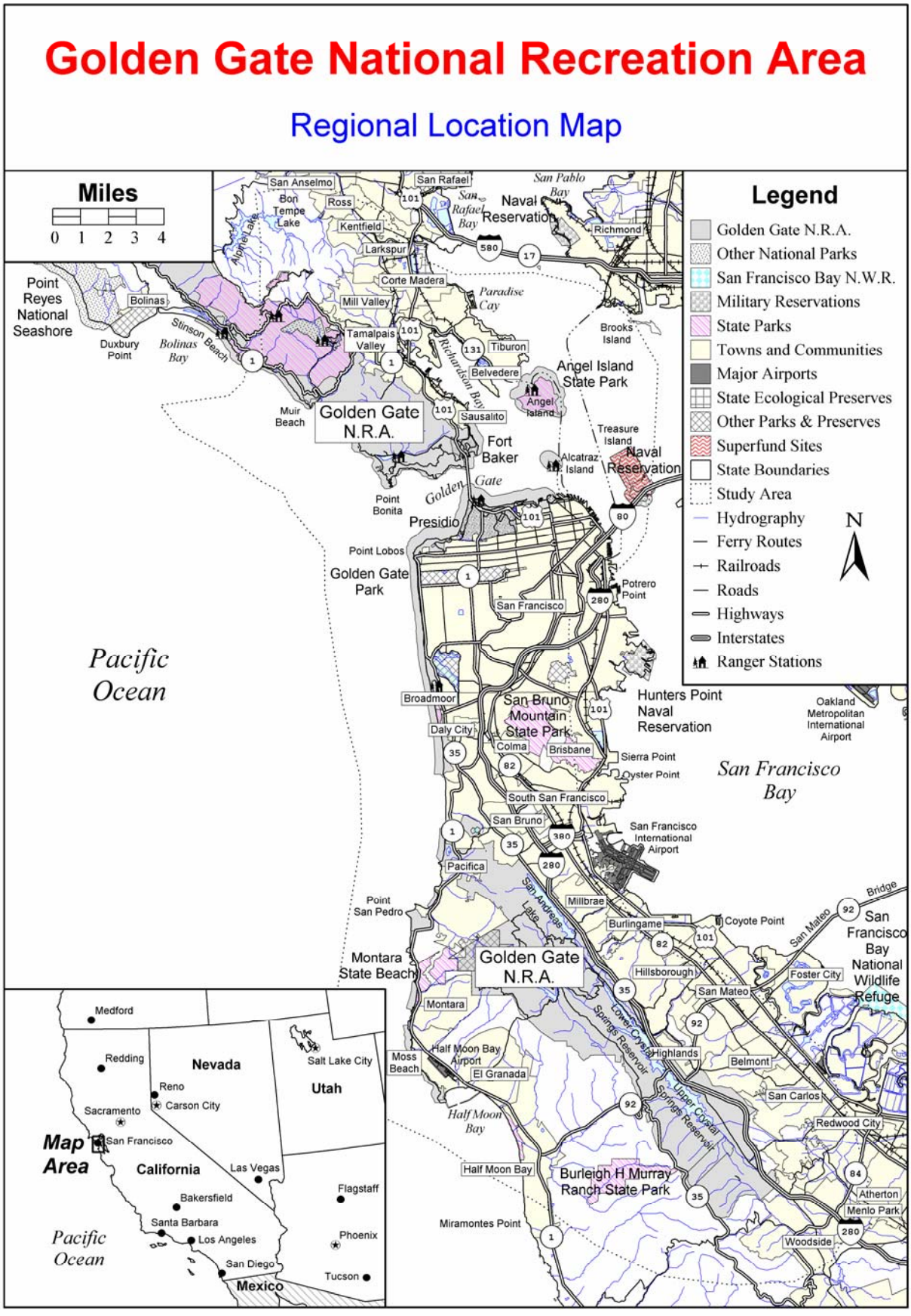
To be included in the annual analysis tables, a station/parameter combination must have at least 9 observations in each of at least 4 years.

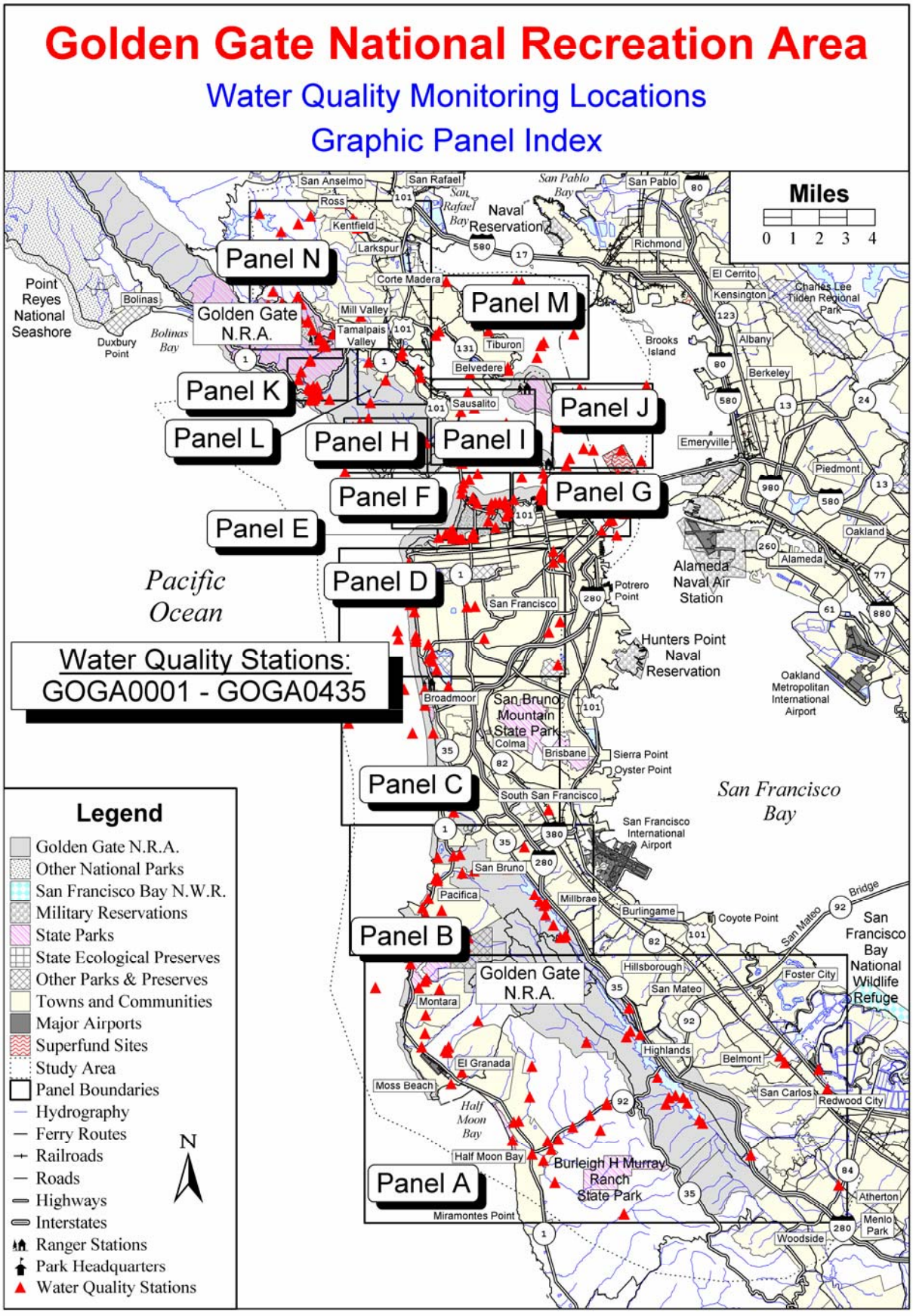
Seasonal Analysis Criteria:

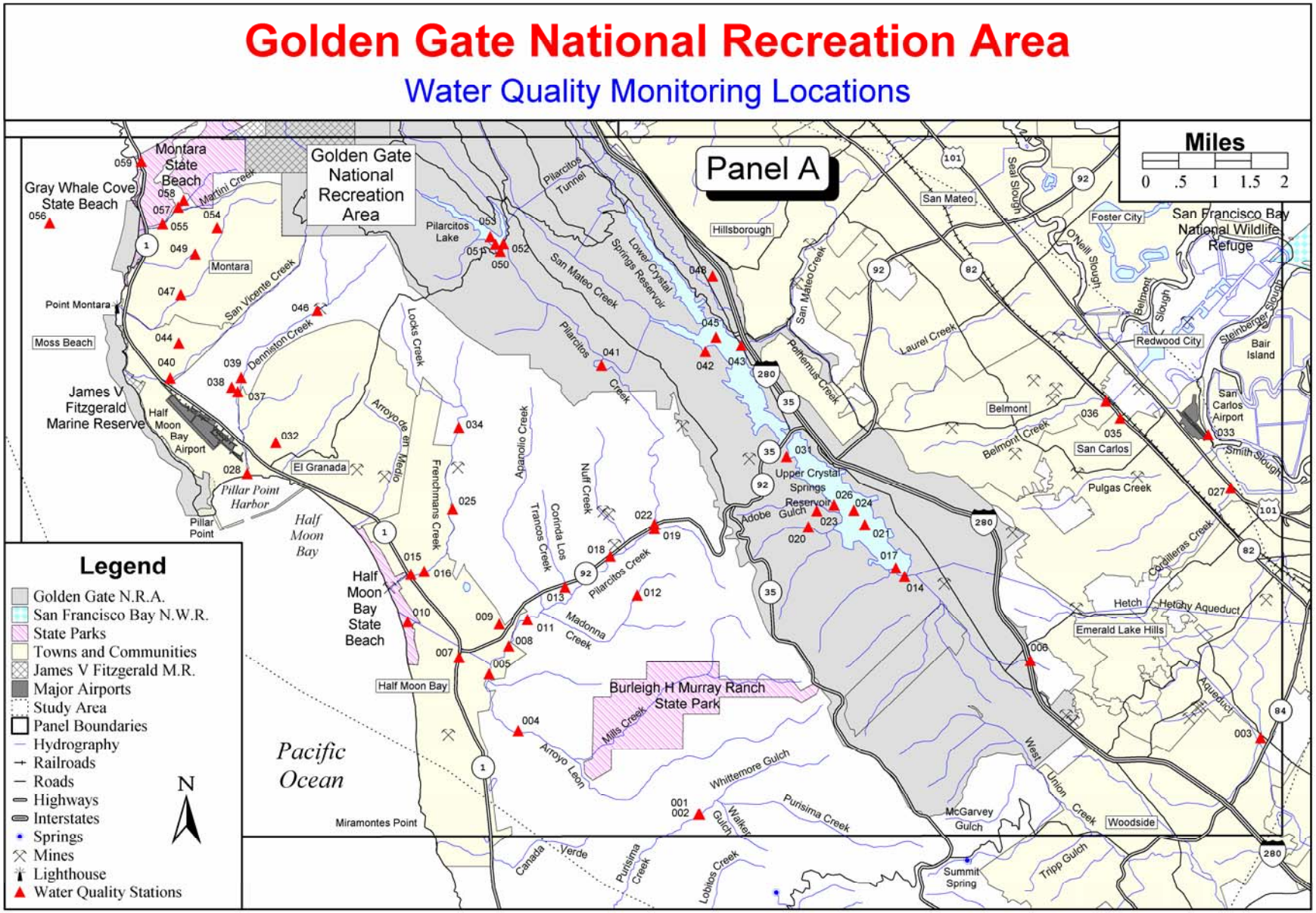
To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 10 years and observations in at least 3 of the 10 years.

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.

[^]GOGA park acreage north of the study area are reported in the Point Reyes National Seashore Baseline Water Quality Data Inventory and Analysis Report (February 2003) and are not included in the estimated 51157 acreage shown here.

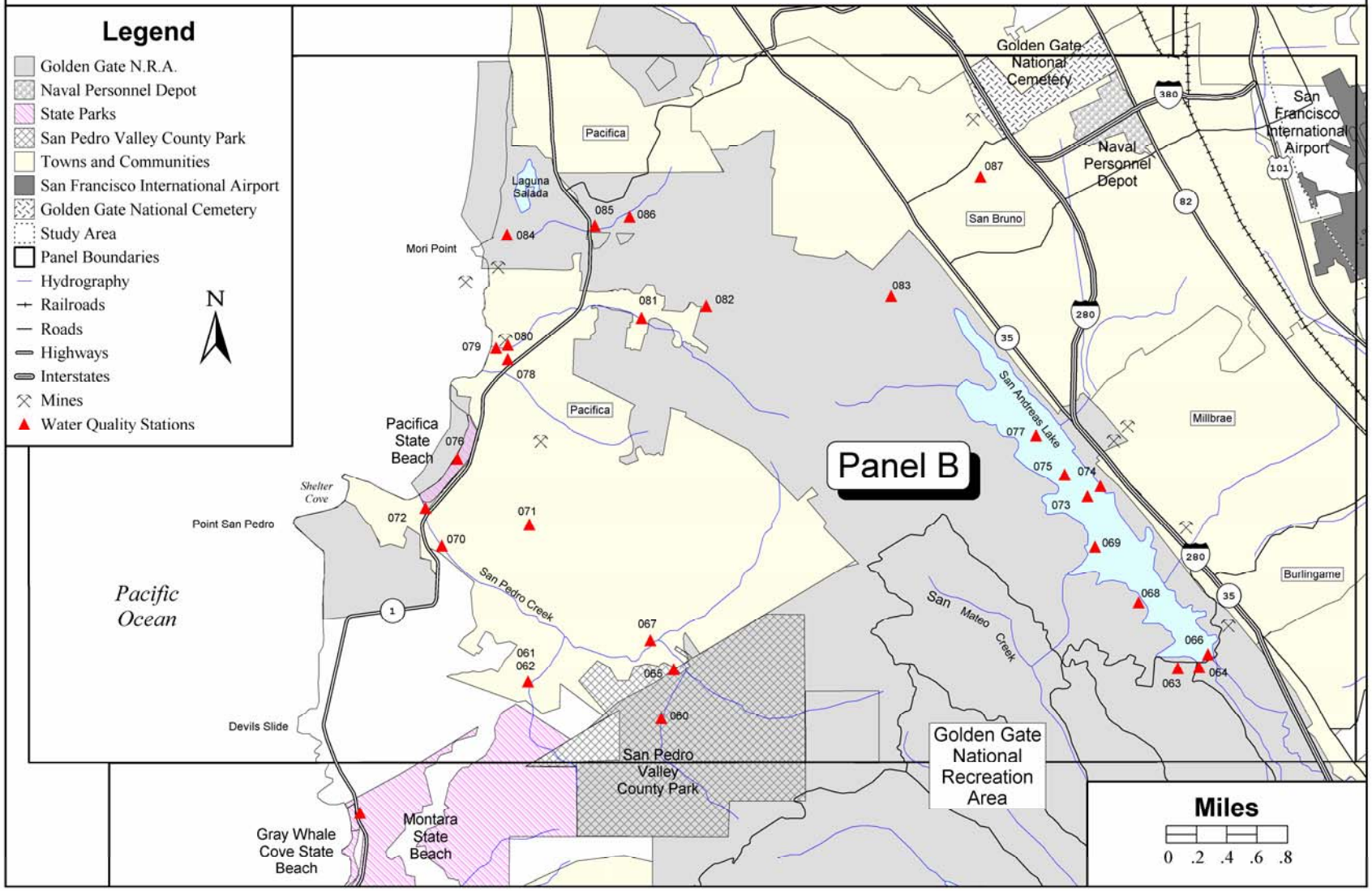

Golden Gate National Recreation Area
Regional Location Map
Miles
0 1 2 3 4
Legend
Golden Gate N.R.A.
Other National Parks
San Francisco Bay N.W.R.
Military Reservations
State Parks
Towns and Communities
Major Airports
State Ecological Preserves
Other Parks & Preserves
Superfund Sites
State Boundaries
Study Area
Hydrography
Ferry Routes
Railroads
Roads
Highways
Interstates
Ranger Stations
N
Pacific Ocean
San Francisco Bay
Golden Gate N.R.A.
Point Reyes National Seashore
Bolinas
Duxbury Point
Bolinas Bay
Stinson Beach
Muir Beach
Tamalpais Valley
Mill Valley
Corte Madera
Larkspur
Kentfield
Ross
San Anselmo
Bon Tempe Lake
Alpine Lake
San Rafael
San Rafael Bay
San Pablo Bay
Naval Reservation
Richmond
Paradise Cay
Tiburon
Belvedere
Richardson Bay
Angel Island
Angel Island State Park
Brooks Island
Sausalito
Fort Baker
Alcatraz Island
Treasure Island
Naval Reservation
Golden Gate
Point Bonita
Presidio
Point Lobos
Golden Gate Park
San Francisco
Potrero Point
Broadmoor
Daly City
San Bruno Mountain State Park
Colma
Brisbane
Hunters Point Naval Reservation
Oakland Metropolitan International Airport
Sierra Point
Oyster Point
South San Francisco
San Bruno
San Francisco International Airport
Pacifica
Point San Pedro
Millbrae
San Andreas Lake
Burlingame
Coyote Point
San Mateo Bridge
San Francisco Bay National Wildlife Refuge
Montara State Beach
Golden Gate N.R.A.
Hillsborough
San Mateo
Foster City
Montara
Lower Crystal Springs Reservoir
Moss Beach
Half Moon Bay Airport
El Granada
Highlands
Belmont
San Carlos
Upper Crystal Springs Reservoir
Half Moon Bay
Redwood City
Half Moon Bay
Burleigh H Murray Ranch State Park
Atherton
Menlo Park
Miramontes Point
Woodside
Map Area
Medford
Redding
Nevada
Salt Lake City
Utah
Reno
Carson City
Sacramento
San Francisco
California
Las Vegas
Flagstaff
Bakersfield
Santa Barbara
Los Angeles
Phoenix
San Diego
Tucson
Mexico
Pacific Ocean

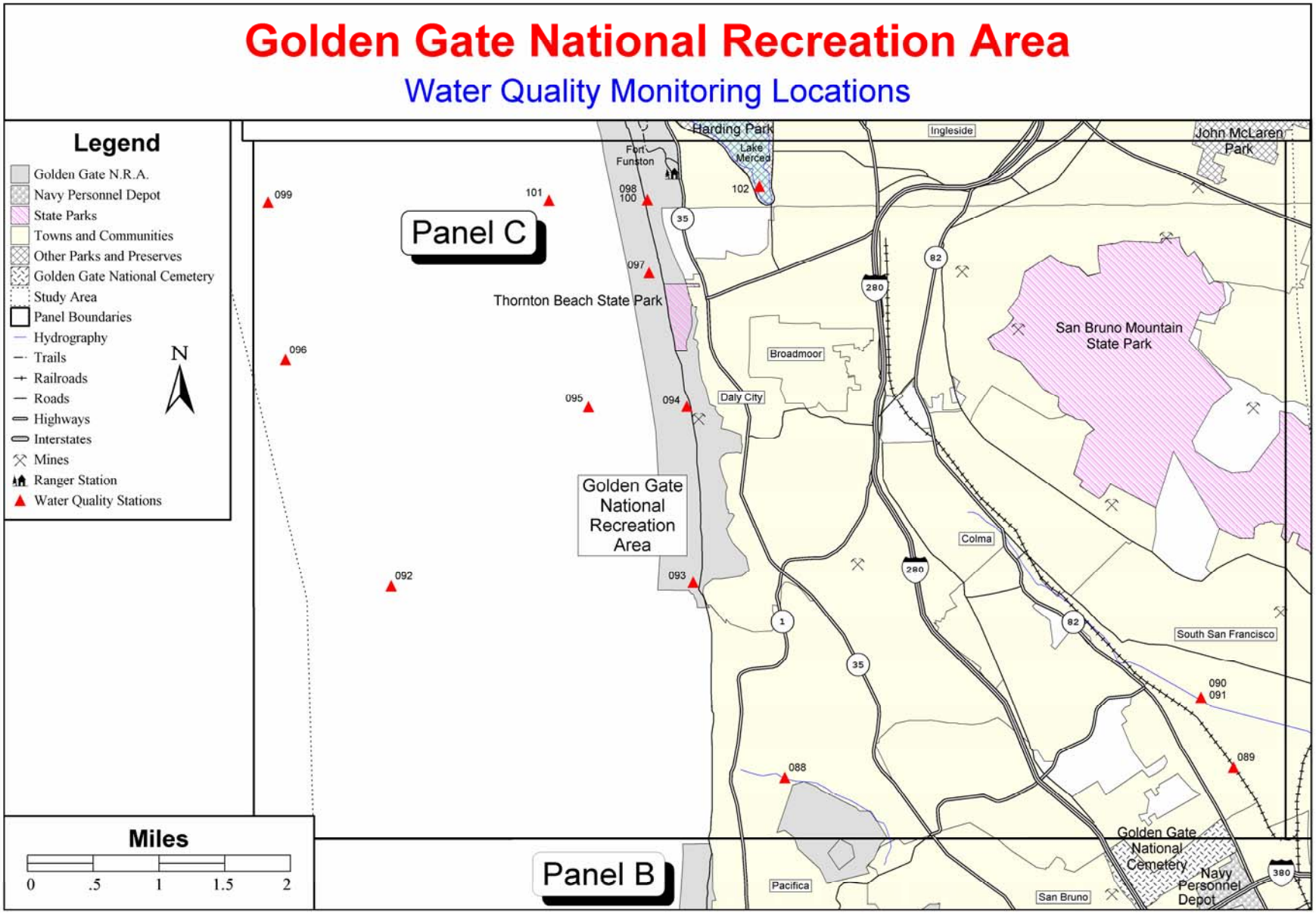

Golden Gate National Recreation Area
Water Quality Monitoring Locations
Graphic Panel Index
Miles
0 1 2 3 4
Panel N
Panel M
Panel K
Panel L
Panel H
Panel I
Panel J
Panel F
Panel G
Panel E
Panel D
Panel C
Panel B
Panel A
Water Quality Stations:
GOGA0001 - GOGA0435
Pacific Ocean
San Francisco Bay
Point Reyes National Seashore
Golden Gate N.R.A.
Naval Reservation
Alameda Naval Air Station
Hunters Point Naval Reservation
San Bruno Mountain State Park
Oakland Metropolitan International Airport
San Francisco International Airport
San Francisco Bay National Wildlife Refuge
Burleigh H Murray Ranch State Park
Half Moon Bay
Miramontes Point
San Anselmo
San Rafael
Ross
Kentfield
Larkspur
Corte Madera
Mill Valley
Tamalpais Valley
Bolinas
Duxbury Point
Bolinas Bay
San Pablo Bay
San Pablo
Richmond
El Cerrito
Kensington
Charles Lee Tilden Regional Park
Albany
Berkeley
Brooks Island
Tiburon
Belvedere
Sausalito
Emeryville
Piedmont
Oakland
Alameda
Potrero Point
San Francisco
Broadmoor
Colma
Brisbane
Sierra Point
Oyster Point
South San Francisco
San Bruno
Pacifica
Millbrae
Burlingame
Coyote Point
San Mateo Bridge
Hillsborough
San Mateo
Foster City
Montara
Moss Beach
El Granada
Highlands
Belmont
San Carlos
Redwood City
Atherton
Menlo Park
Woodside
Legend
Golden Gate N.R.A.
Other National Parks
San Francisco Bay N.W.R.
Military Reservations
State Parks
State Ecological Preserves
Other Parks & Preserves
Towns and Communities
Major Airports
Superfund Sites
Study Area
Panel Boundaries
Hydrography
Ferry Routes
Railroads
Roads
Highways
Interstates
Ranger Stations
Park Headquarters
Water Quality Stations
N


Golden Gate National Recreation Area
Water Quality Monitoring Locations
Panel A
Miles
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Golden Gate N.R.A.
San Francisco Bay N.W.R.
State Parks
Towns and Communities
James V Fitzgerald M.R.
Major Airports
Study Area
Panel Boundaries
Hydrography
Railroads
Roads
Highways
Interstates
Springs
Mines
Lighthouse
Water Quality Stations
N
Montara State Beach
Golden Gate National Recreation Area
Gray Whale Cove State Beach
Point Montara
Moss Beach
James V Fitzgerald Marine Reserve
Half Moon Bay Airport
El Granada
Pillar Point Harbor
Pillar Point
Half Moon Bay
Half Moon Bay State Beach
Pacific Ocean
Miramontes Point
Burleigh H Murray Ranch State Park
Pilarcitos Lake
Pilarcitos Tunnel
Lower Crystal Springs Reservoir
Upper Crystal Springs Reservoir
San Mateo
Hillsborough
Foster City
San Francisco Bay National Wildlife Refuge
Redwood City
Belmont
San Carlos
Pulgas Creek
Bair Island
San Carlos Airport
Emerald Lake Hills
Hetch Hetchy Aqueduct
Woodside
McGarvey Gulch
Summit Spring
Martini Creek
San Vicente Creek
Denniston Creek
Locks Creek
Arroyo de en Medio
Frenchmans Creek
Apanolio Creek
Nuff Creek
Corinda Los Trancos Creek
Pilarcitos Creek
Madonna Creek
Mills Creek
Arroyo Leon
Canada Verde
Purisima Creek
Lobitos Creek
Walker Gulch
Whittemore Gulch
Purisima Creek
Adobe Gulch
Laurel Creek
Belmont Creek
Cordilleras Creek
West Union Creek
Tripp Gulch
Seal Slough
O'Neill Slough
Belmont Slough
Steinberger Slough
Smith Slough
Parkinus Creek
San Mateo Creek
Pilarcitos Creek
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Golden Gate National Recreation Area

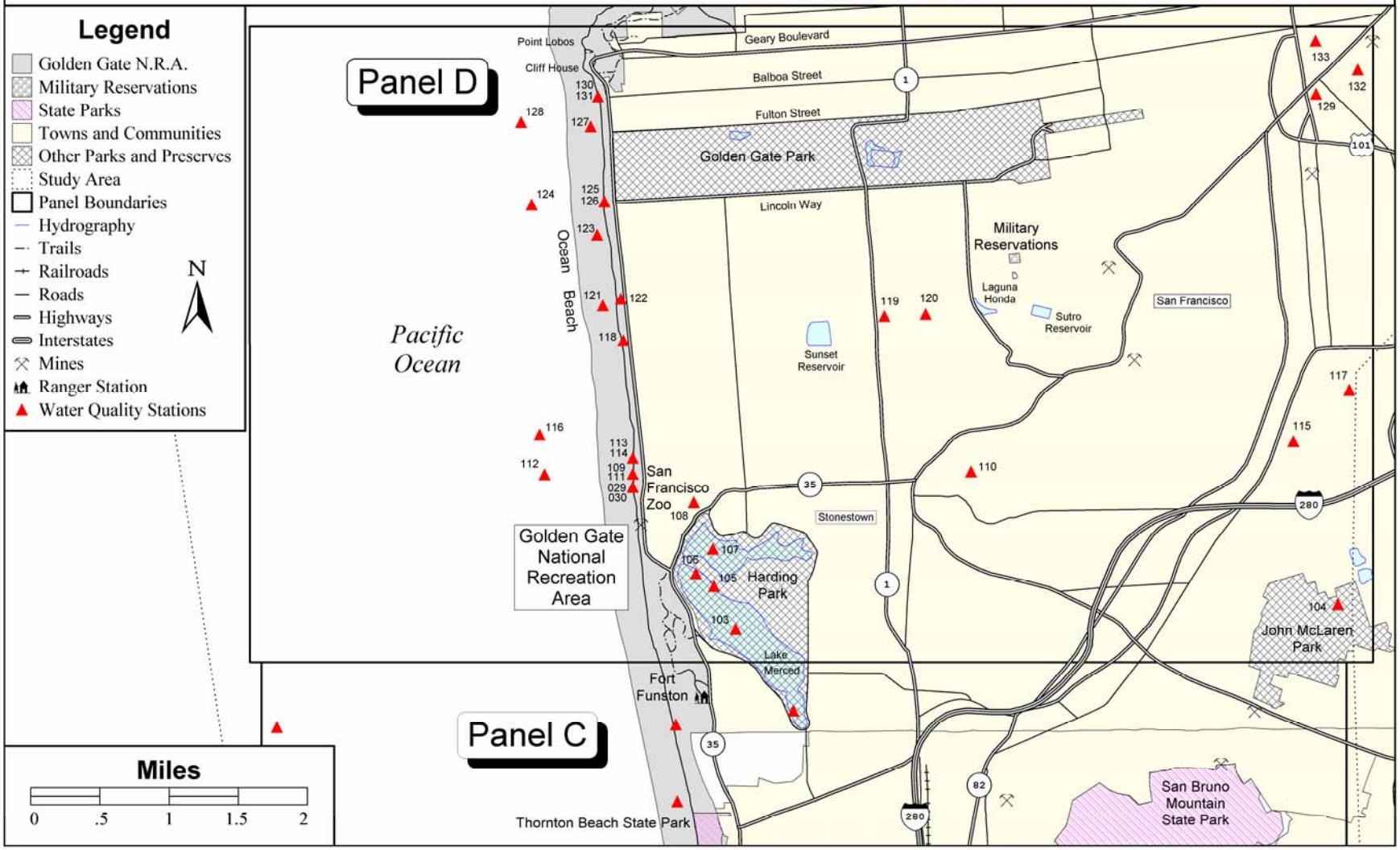
Water Quality Monitoring Locations

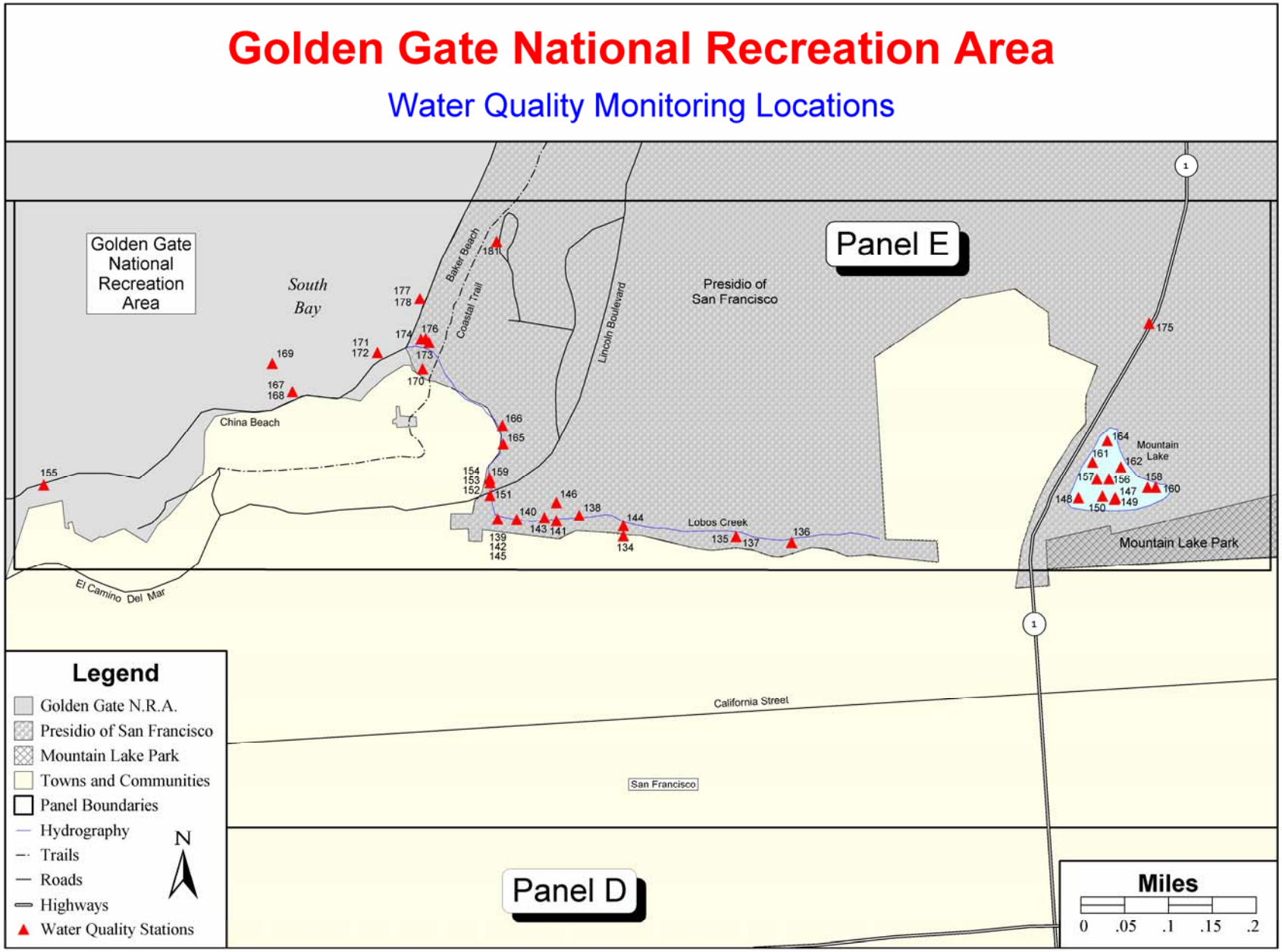


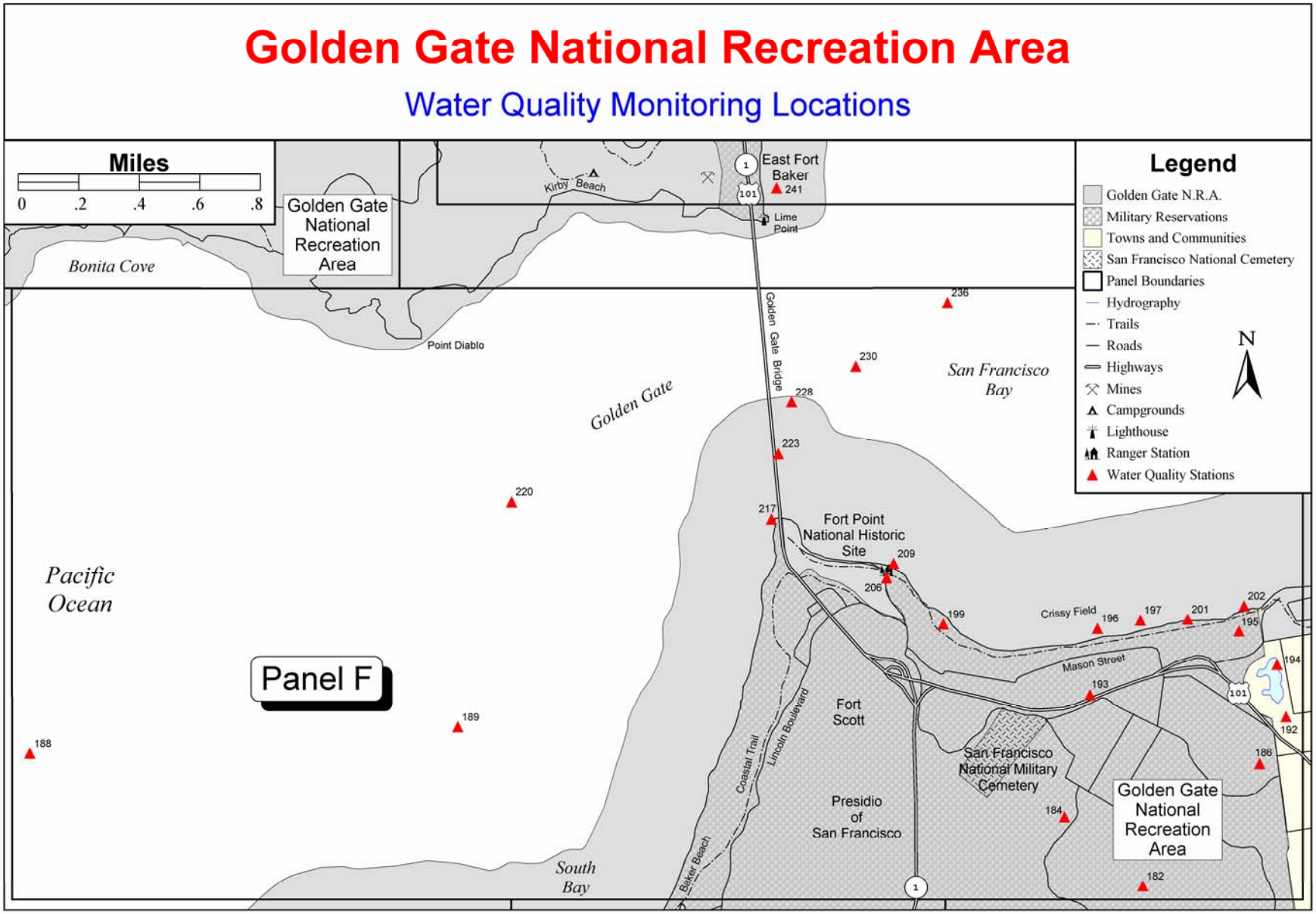

Golden Gate National Recreation Area
Water Quality Monitoring Locations
Legend
Golden Gate N.R.A.
Navy Personnel Depot
State Parks
Towns and Communities
Other Parks and Preserves
Golden Gate National Cemetery
Study Area
Panel Boundaries
Hydrography
Trails
Railroads
Roads
Highways
Interstates
Mines
Ranger Station
Water Quality Stations
N
Miles
0 .5 1 1.5 2
Panel C
Panel B
Thornton Beach State Park
Golden Gate National Recreation Area
Harding Park
Fort Funston
Lake Merced
Ingleside
John McLaren Park
San Bruno Mountain State Park
Broadmoor
Daly City
Colma
South San Francisco
Pacifica
San Bruno
Golden Gate National Cemetery
Navy Personnel Depot
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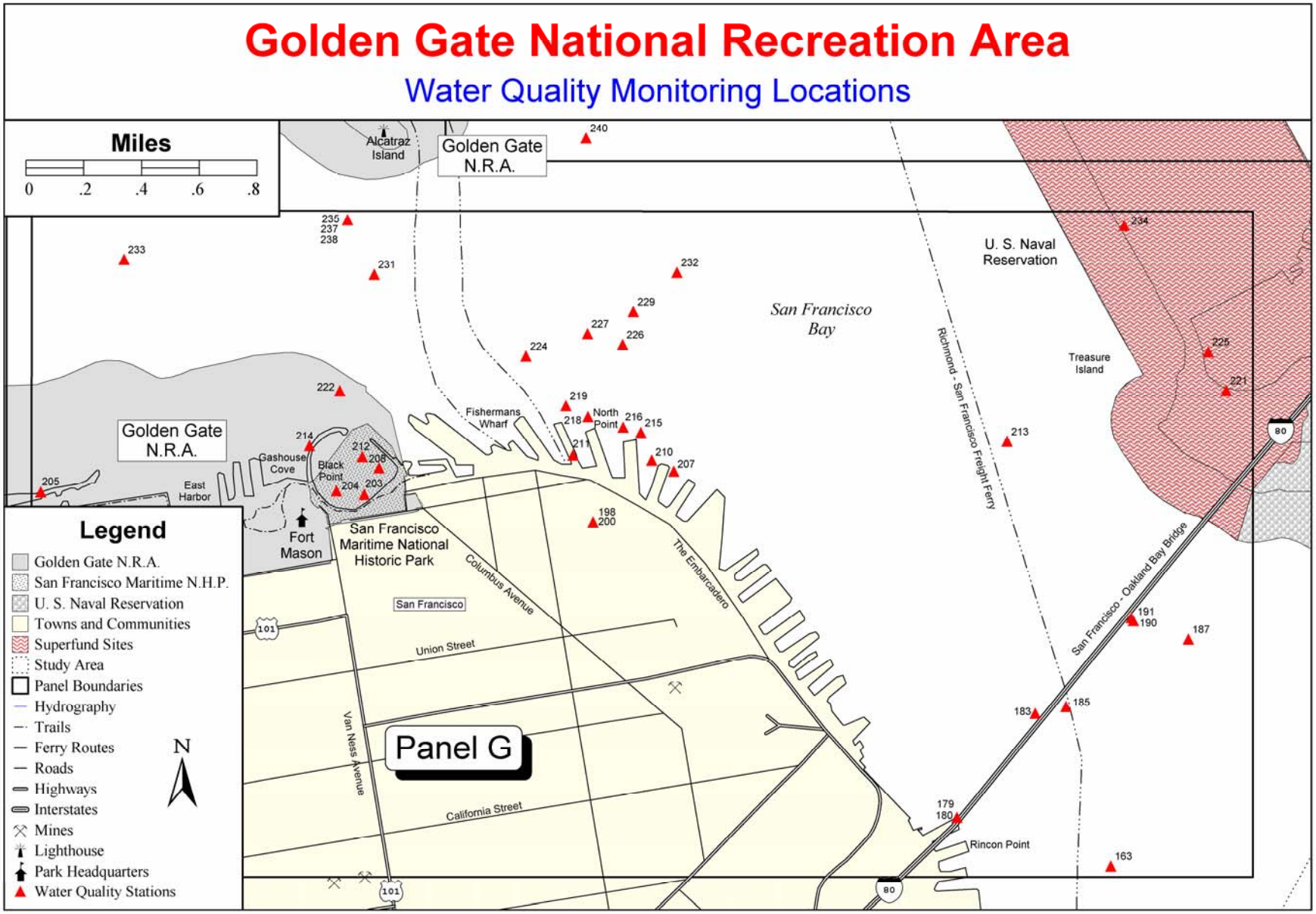
Golden Gate National Recreation Area

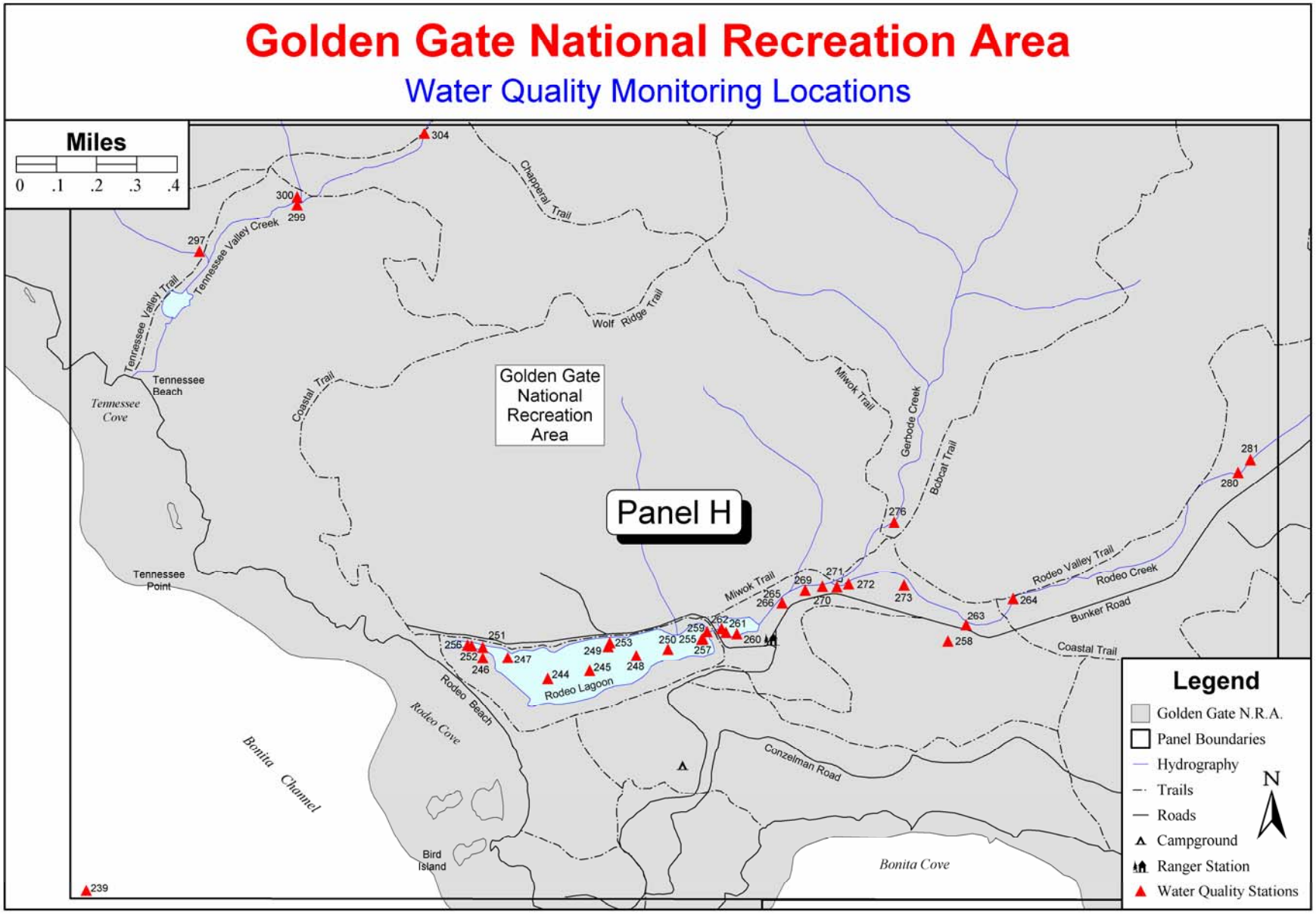
Water Quality Monitoring Locations




Golden Gate National Recreation Area
Water Quality Monitoring Locations
Golden Gate National Recreation Area
South Bay
Baker Beach
Coastal Trail
Lincoln Boulevard
Presidio of San Francisco
Panel E
China Beach
Mountain Lake
Mountain Lake Park
Lobos Creek
El Camino Del Mar
California Street
San Francisco
Panel D
Legend
Golden Gate N.R.A.
Presidio of San Francisco
Mountain Lake Park
Towns and Communities
Panel Boundaries
Hydrography
Trails
Roads
Highways
Water Quality Stations
N
Miles
0 .05 .1 .15 .2

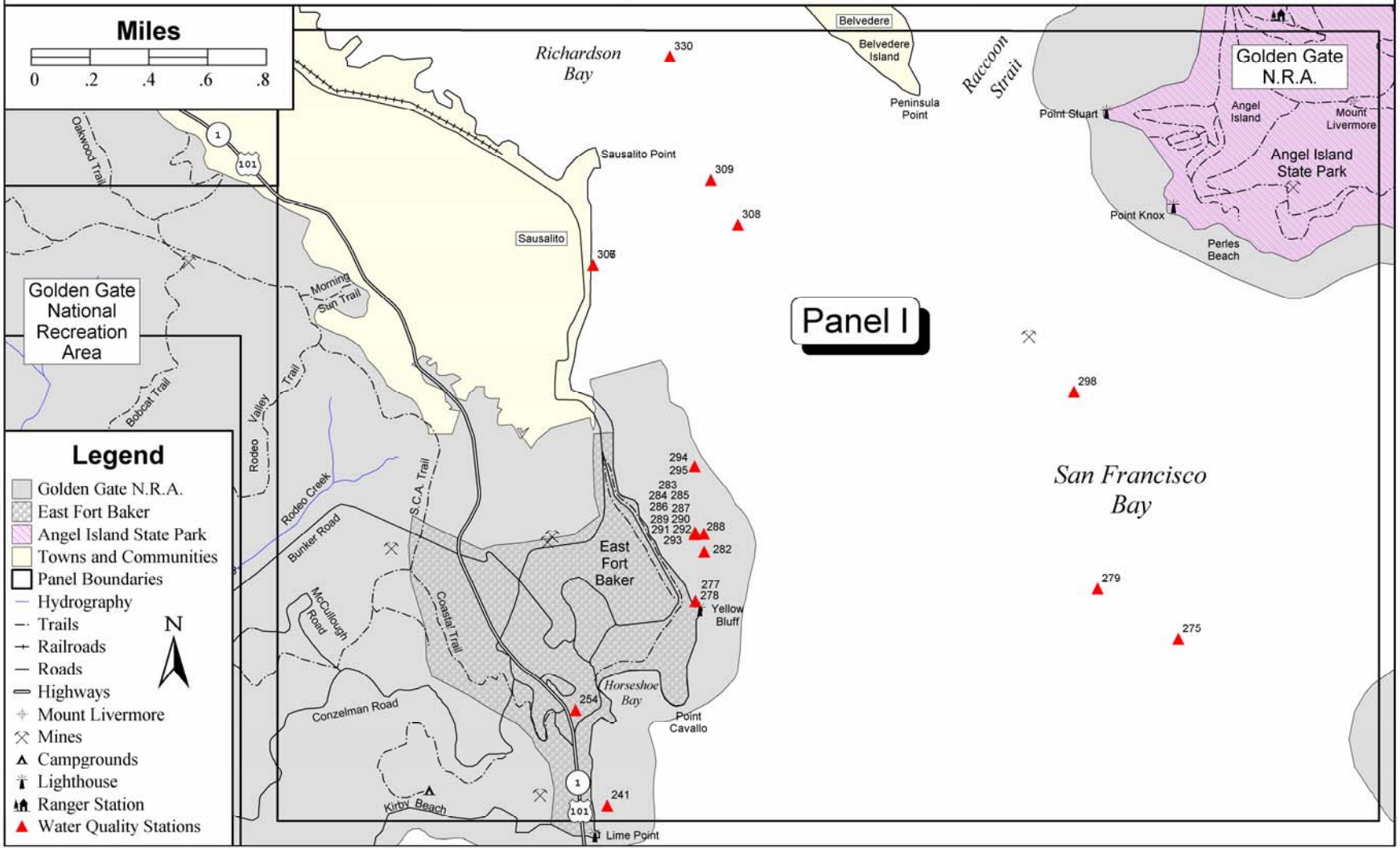

Golden Gate National Recreation Area
Water Quality Monitoring Locations
Miles
0 .2 .4 .6 .8
Golden Gate National Recreation Area
Bonita Cove
Point Diablo
Kirby Beach
East Fort Baker
241
Lime Point
Golden Gate Bridge
236
230
228
223
220
217
209
206
199
Fort Point National Historic Site
Golden Gate
San Francisco Bay
Pacific Ocean
Panel F
189
188
Crissy Field
196
197
201
202
195
Mason Street
193
194
192
186
184
182
Fort Scott
Presidio of San Francisco
San Francisco National Military Cemetery
Golden Gate National Recreation Area
Coastal Trail
Lincoln Boulevard
Baker Beach
South Bay
Legend
Golden Gate N.R.A.
Military Reservations
Towns and Communities
San Francisco National Cemetery
Panel Boundaries
Hydrography
Trails
Roads
Highways
Mines
Campgrounds
Lighthouse
Ranger Station
Water Quality Stations
N

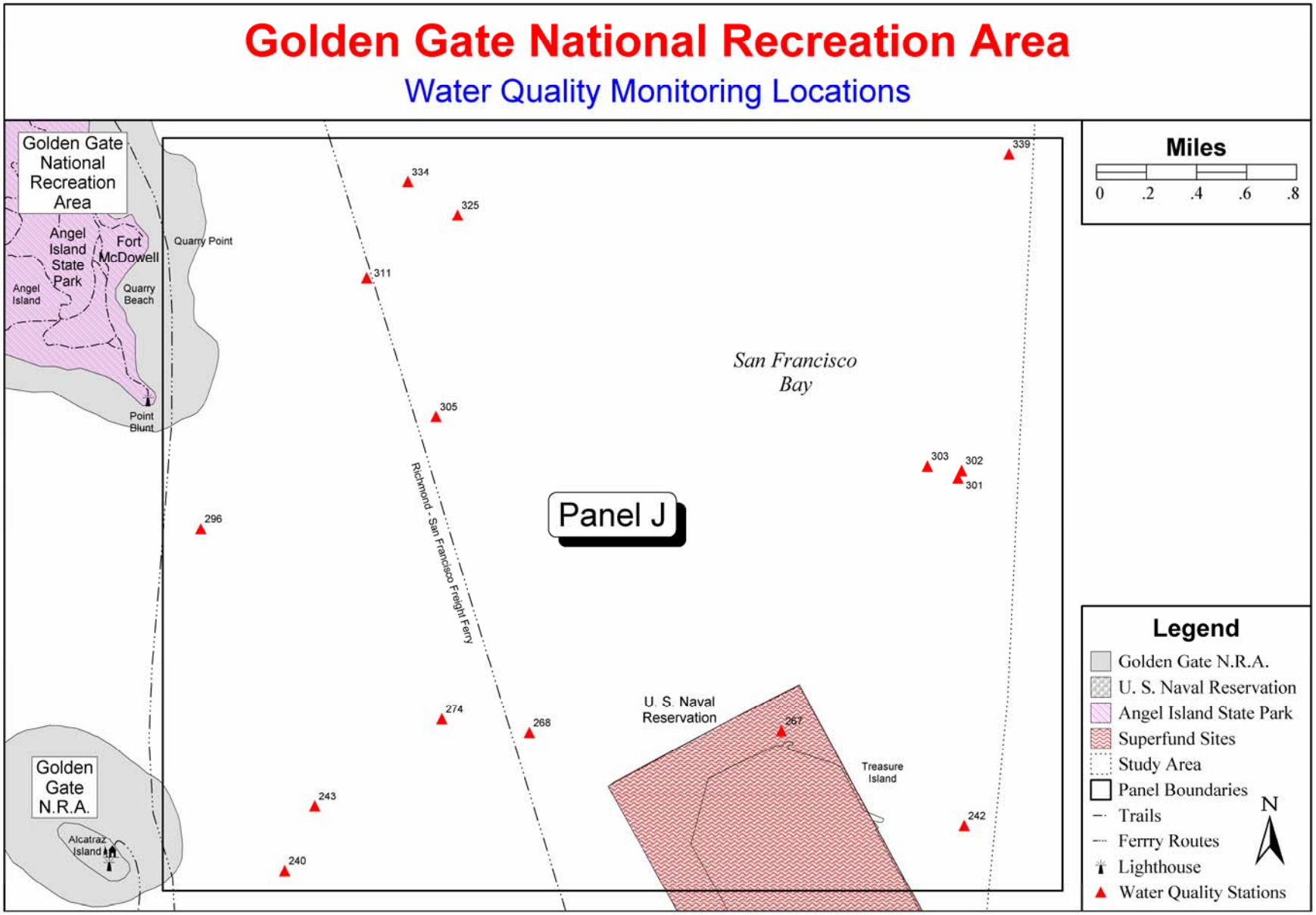

Golden Gate National Recreation Area
Water Quality Monitoring Locations
Miles
0 .2 .4 .6 .8
Alcatraz Island
Golden Gate N.R.A.
U. S. Naval Reservation
San Francisco Bay
Treasure Island
Richmond - San Francisco Freight Ferry
San Francisco - Oakland Bay Bridge
Fishermans Wharf
North Point
Gashouse Cove
Black Point
East Harbor
Fort Mason
San Francisco Maritime National Historic Park
Columbus Avenue
The Embarcadero
San Francisco
Union Street
Van Ness Avenue
California Street
Rincon Point
Panel G
Legend
Golden Gate N.R.A.
San Francisco Maritime N.H.P.
U. S. Naval Reservation
Towns and Communities
Superfund Sites
Study Area
Panel Boundaries
Hydrography
Trails
Ferry Routes
Roads
Highways
Interstates
Mines
Lighthouse
Park Headquarters
Water Quality Stations
N
240
235 237 238
233
231
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229
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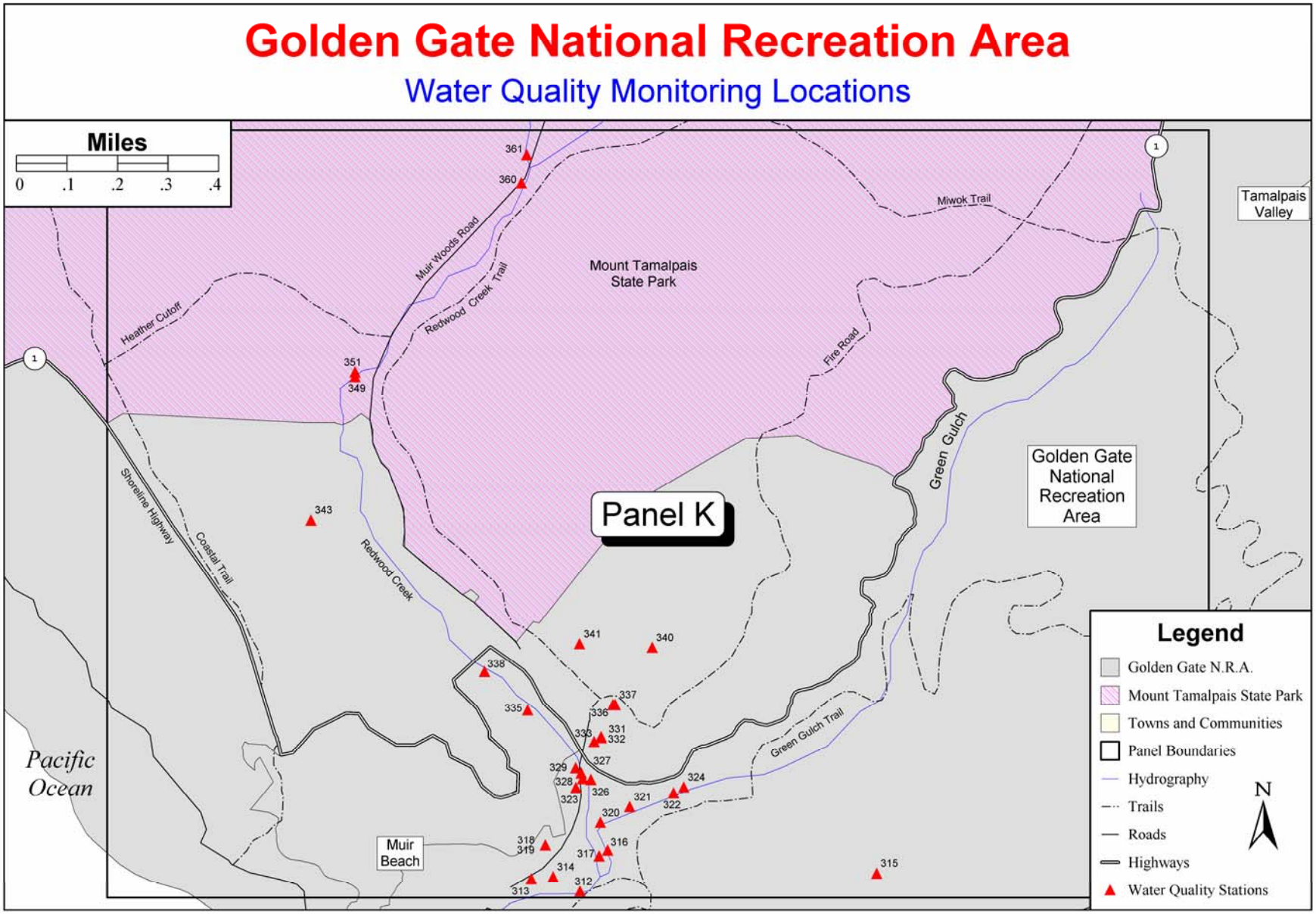

Golden Gate National Recreation Area
Water Quality Monitoring Locations
Miles
0 .1 .2 .3 .4
Golden Gate National Recreation Area
Panel H
Tennessee Valley Trail
Tennessee Valley Creek
Chapparal Trail
Wolf Ridge Trail
Coastal Trail
Miwok Trail
Gerbode Creek
Bobcat Trail
Rodeo Valley Trail
Rodeo Creek
Bunker Road
Conzelman Road
Rodeo Lagoon
Rodeo Beach
Rodeo Cove
Bonita Channel
Bonita Cove
Tennessee Beach
Tennessee Cove
Tennessee Point
Bird Island
304
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239
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280
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262
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258
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256
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253
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251
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249
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247
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Legend
Golden Gate N.R.A.
Panel Boundaries
Hydrography
Trails
Roads
Campground
Ranger Station
Water Quality Stations
N

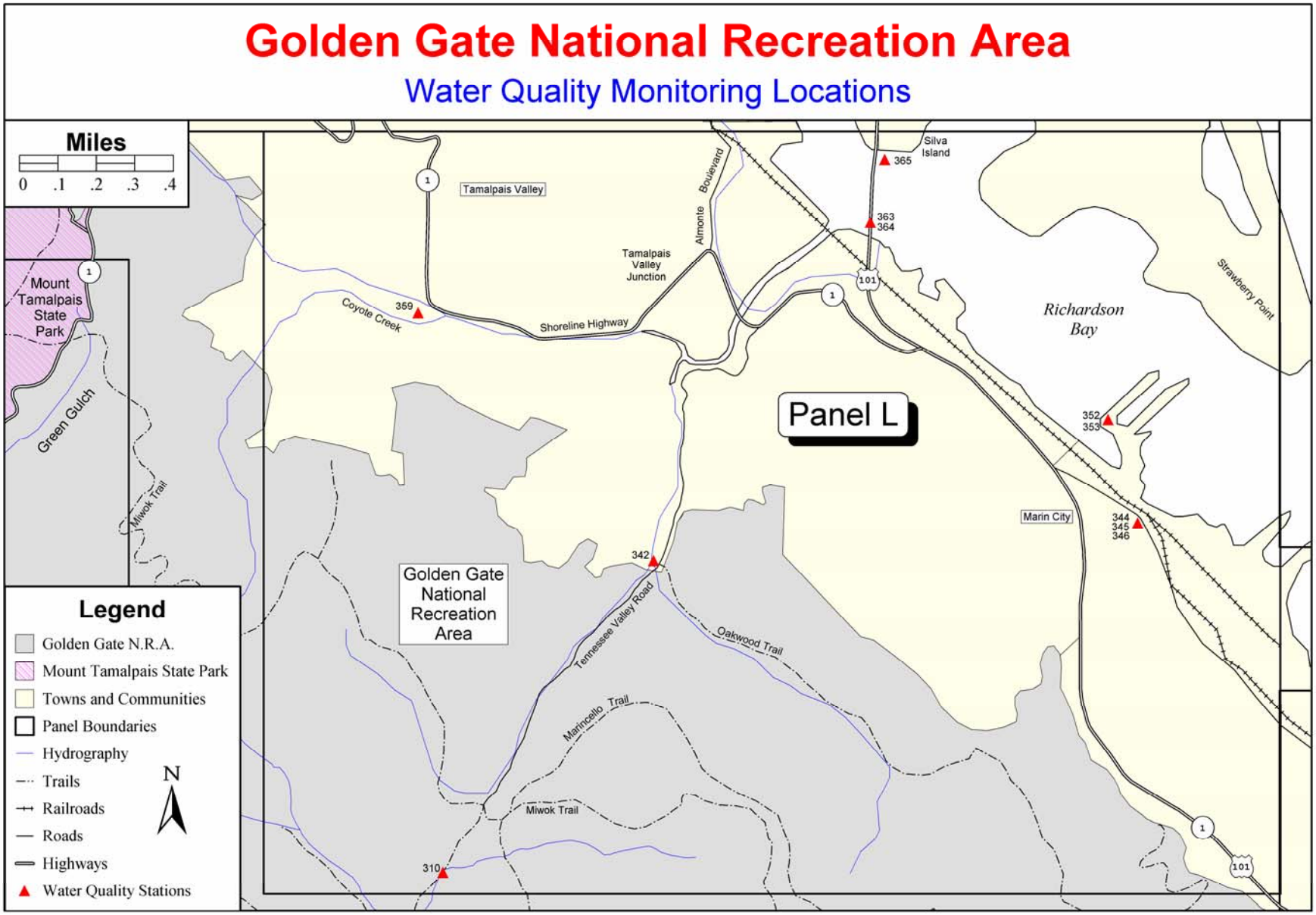
Golden Gate National Recreation Area

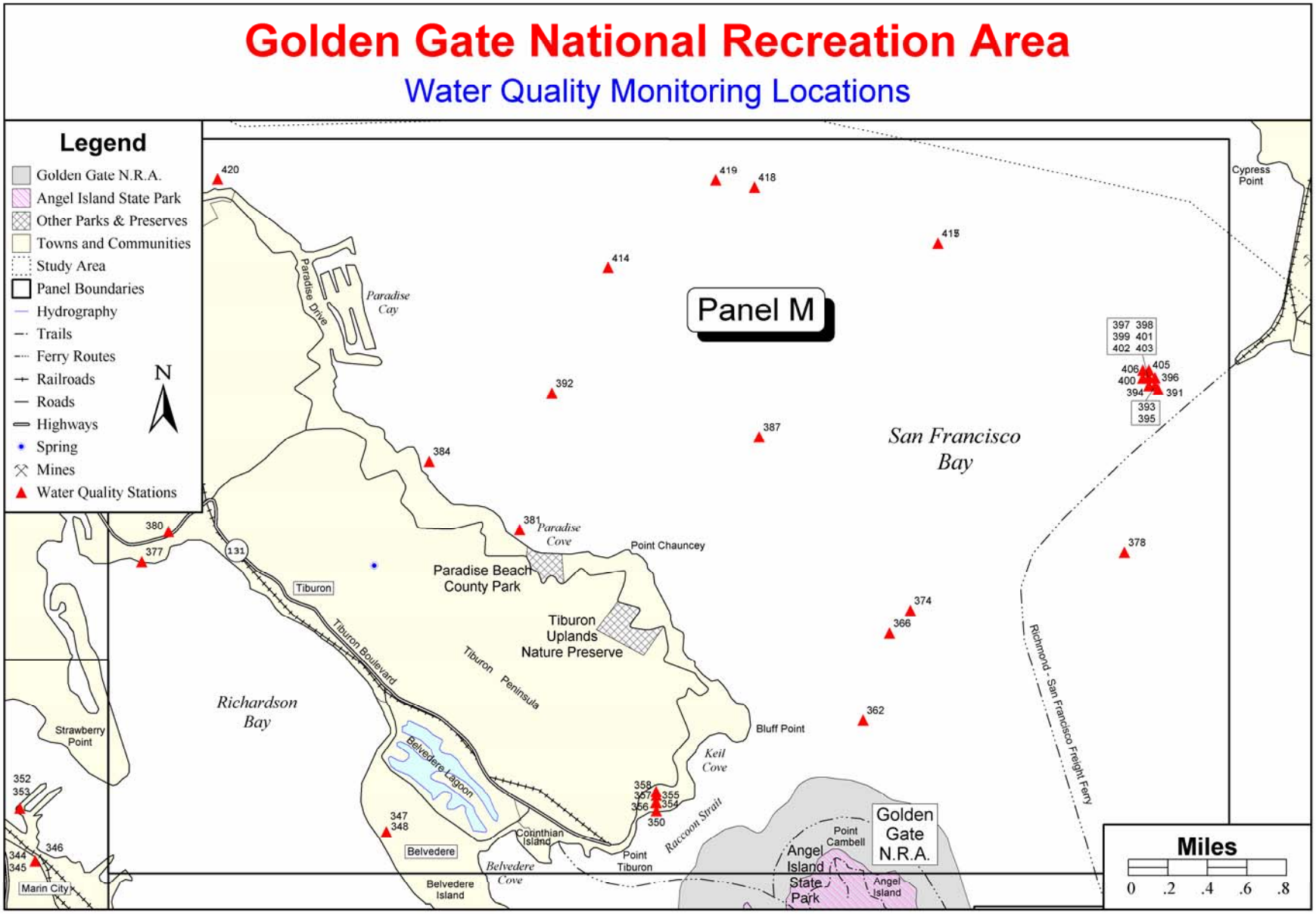
Water Quality Monitoring Locations




Golden Gate National Recreation Area
Water Quality Monitoring Locations
Golden Gate National Recreation Area
Angel Island State Park
Angel Island
Fort McDowell
Quarry Point
Quarry Beach
Point Blunt
Golden Gate N.R.A.
Alcatraz Island
San Francisco Bay
Panel J
Richmond - San Francisco Freight Ferry
U. S. Naval Reservation
Treasure Island
334
325
339
311
305
303
302
301
296
274
268
267
243
242
240
Miles
0 .2 .4 .6 .8
N
Legend
Golden Gate N.R.A.
U. S. Naval Reservation
Angel Island State Park
Superfund Sites
Study Area
Panel Boundaries
Trails
Ferrry Routes
Lighthouse
Water Quality Stations

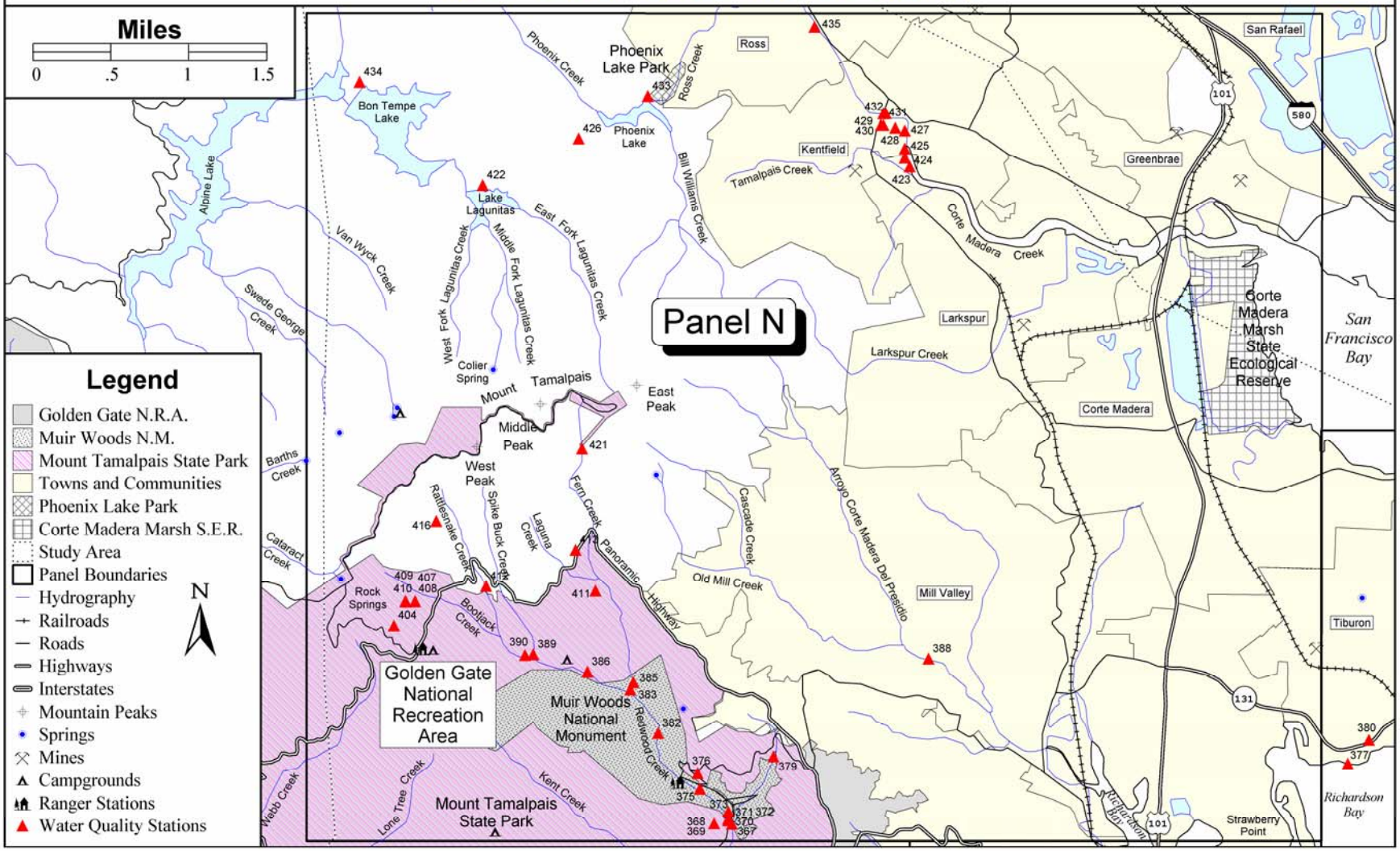

Golden Gate National Recreation Area
Water Quality Monitoring Locations
Miles
0 .1 .2 .3 .4
Mount Tamalpais State Park
Panel K
Golden Gate National Recreation Area
Tamalpais Valley
Muir Beach
Pacific Ocean
Muir Woods Road
Redwood Creek Trail
Heather Cutoff
Miwok Trail
Fire Road
Green Gulch
Shoreline Highway
Coastal Trail
Redwood Creek
Green Gulch Trail
Legend
Golden Gate N.R.A.
Mount Tamalpais State Park
Towns and Communities
Panel Boundaries
Hydrography
Trails
Roads
Highways
Water Quality Stations
N

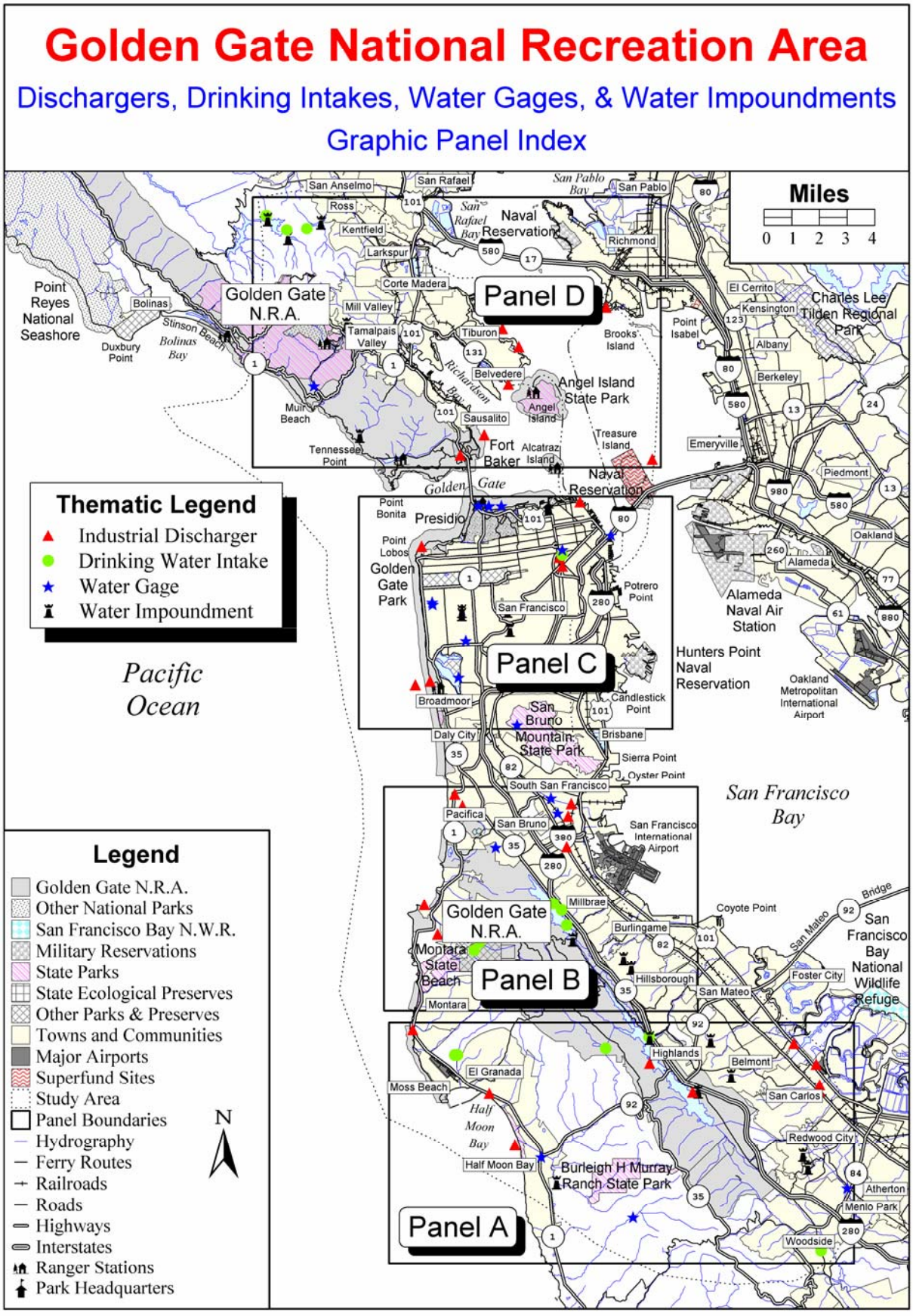

Golden Gate National Recreation Area
Water Quality Monitoring Locations
Miles
0 .1 .2 .3 .4
Panel L
Tamalpais Valley
Tamalpais Valley Junction
Almonte Boulevard
Shoreline Highway
Coyote Creek
359
Mount Tamalpais State Park
Green Gulch
Miwok Trail
Silva Island
365
363
364
101
Richardson Bay
Strawberry Point
352
353
Marin City
344
345
346
342
Golden Gate National Recreation Area
Tennessee Valley Road
Oakwood Trail
Marincello Trail
Miwok Trail
310
Legend
Golden Gate N.R.A.
Mount Tamalpais State Park
Towns and Communities
Panel Boundaries
Hydrography
Trails
Railroads
Roads
Highways
Water Quality Stations
N


Golden Gate National Recreation Area
Water Quality Monitoring Locations
Legend
Golden Gate N.R.A.
Angel Island State Park
Other Parks & Preserves
Towns and Communities
Study Area
Panel Boundaries
Hydrography
Trails
Ferry Routes
Railroads
Roads
Highways
Spring
Mines
Water Quality Stations
N
Panel M
San Francisco Bay
Richardson Bay
Paradise Cay
Paradise Drive
Paradise Cove
Paradise Beach County Park
Point Chauncey
Tiburon
Tiburon Boulevard
Tiburon Peninsula
Tiburon Uplands Nature Preserve
Strawberry Point
Belvedere Lagoon
Belvedere
Belvedere Cove
Belvedere Island
Corinthian Island
Point Tiburon
Raccoon Strait
Bluff Point
Keil Cove
Golden Gate N.R.A.
Point Cambell
Angel Island State Park
Angel Island
Cypress Point
Richmond - San Francisco Ferry
Marin City
Miles
0 .2 .4 .6 .8

Golden Gate National Recreation Area

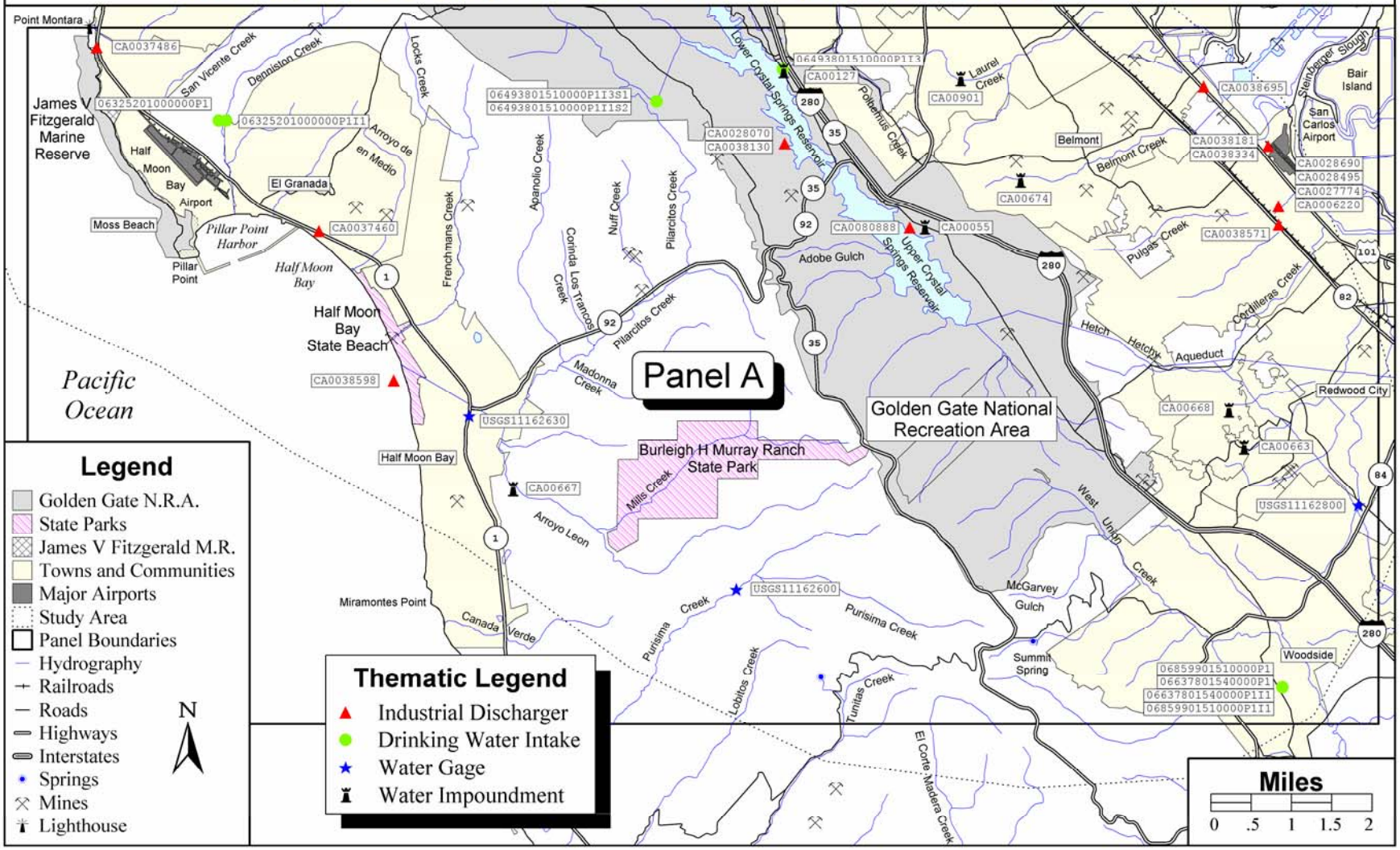
Water Quality Monitoring Locations

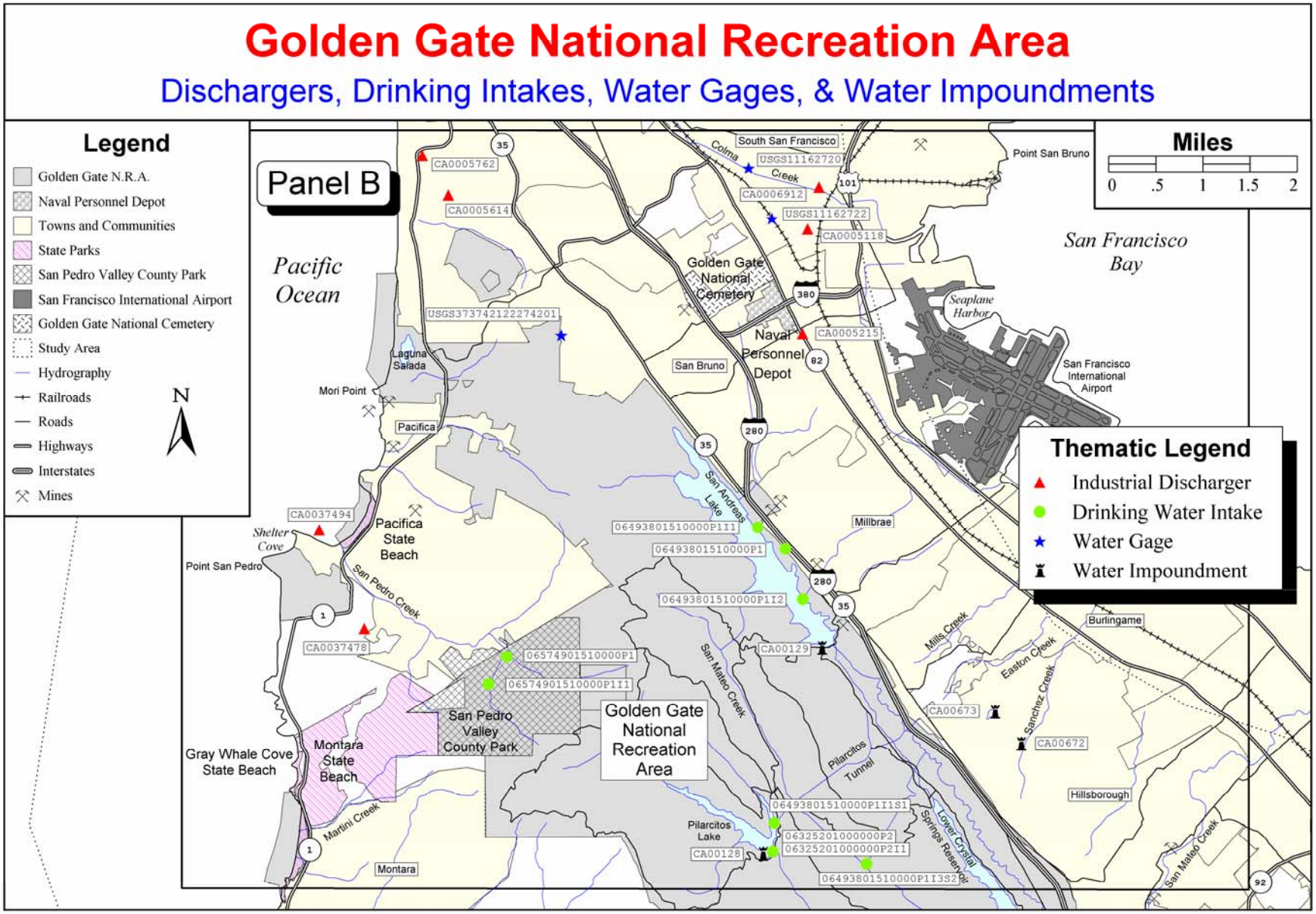



Golden Gate National Recreation Area
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments
Graphic Panel Index
Miles
0 1 2 3 4
Thematic Legend
Industrial Discharger
Drinking Water Intake
Water Gage
Water Impoundment
Pacific Ocean
San Francisco Bay
Golden Gate N.R.A.
Panel D
Panel C
Panel B
Panel A
Naval Reservation
Angel Island State Park
Alameda Naval Air Station
Hunters Point Naval Reservation
Oakland Metropolitan International Airport
San Francisco International Airport
Charles Lee Tilden Regional Park
San Francisco Bay National Wildlife Refuge
Point Reyes National Seashore
Golden Gate Park
Montara State Beach
Burleigh H Murray Ranch State Park
Legend
Golden Gate N.R.A.
Other National Parks
San Francisco Bay N.W.R.
Military Reservations
State Parks
State Ecological Preserves
Other Parks & Preserves
Towns and Communities
Major Airports
Superfund Sites
Study Area
Panel Boundaries
Hydrography
Ferry Routes
Railroads
Roads
Highways
Interstates
Ranger Stations
Park Headquarters
N

Golden Gate National Recreation Area

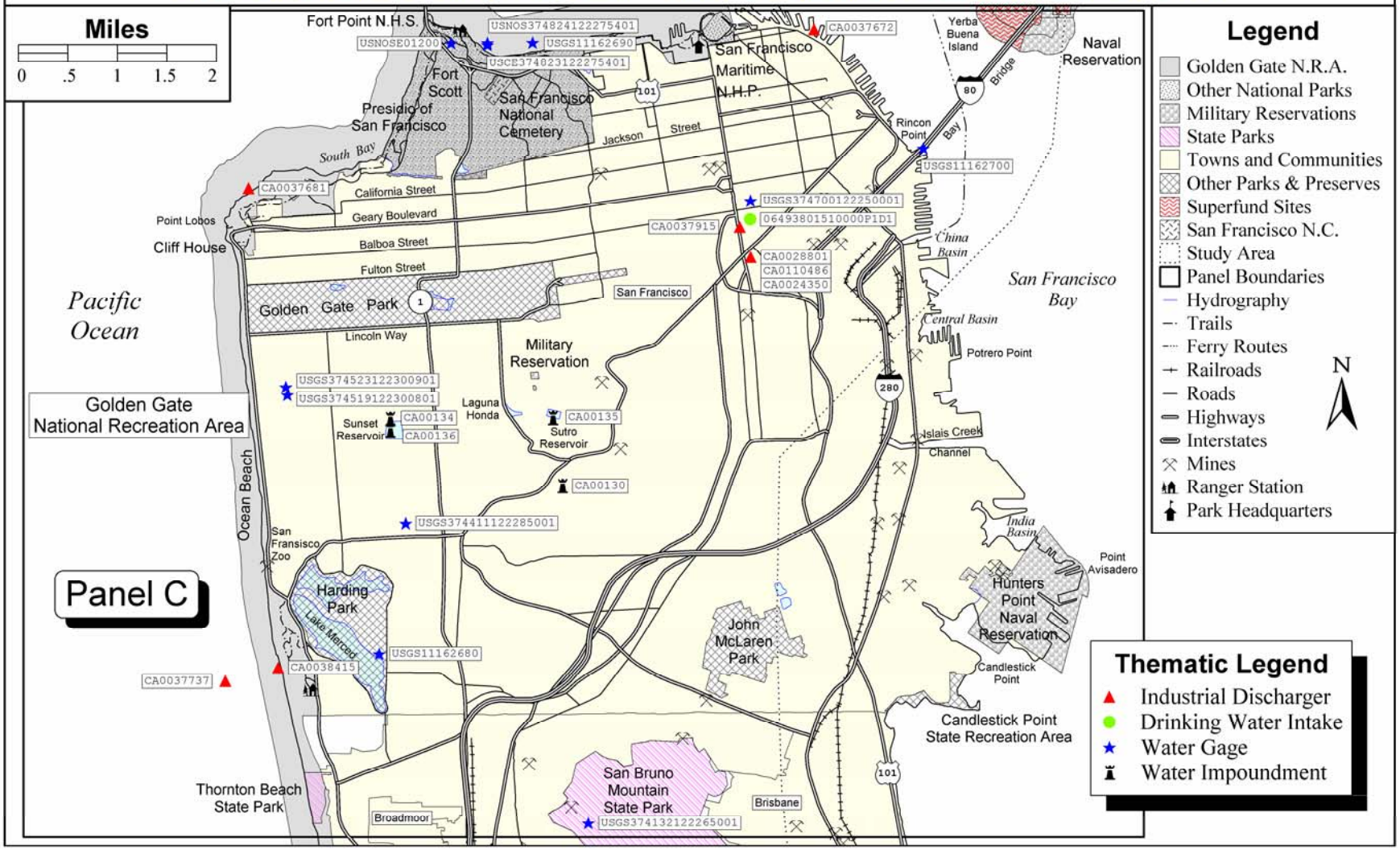
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments




Golden Gate National Recreation Area
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments
Panel B
Legend
Golden Gate N.R.A.
Naval Personnel Depot
Towns and Communities
State Parks
San Pedro Valley County Park
San Francisco International Airport
Golden Gate National Cemetery
Study Area
Hydrography
Railroads
Roads
Highways
Interstates
Mines
N
Miles
0 .5 1 1.5 2
Thematic Legend
Industrial Discharger
Drinking Water Intake
Water Gage
Water Impoundment
Pacific Ocean
San Francisco Bay
South San Francisco
Point San Bruno
Colma Creek
CA0005762
CA0005614
USGS11162720
CA0006912
USGS11162722
CA0005118
Golden Gate National Cemetery
USGS373742122274201
Seaplane Harbor
Naval Personnel Depot
CA0005215
San Bruno
San Francisco International Airport
Laguna Salada
Mori Point
Pacifica
San Andreas Lake
Millbrae
CA0037494
Shelter Cove
Pacifica State Beach
Point San Pedro
San Pedro Creek
0649380151000P1I1
0649380151000P1
0649380151000P1I2
CA0037478
0657490151000P1
0657490151000P1I1
San Mateo Creek
CA00129
Mills Creek
Burlingame
Easton Creek
Sanchez Creek
CA00673
CA00672
San Pedro Valley County Park
Golden Gate National Recreation Area
Gray Whale Cove State Beach
Montara State Beach
Martini Creek
Pilarcitos Tunnel
Hillsborough
0649380151000P1I1S1
Pilarcitos Lake
0632520100000P2
0632520100000P2I1
CA00128
Lower Crystal Springs Reservoir
0649380151000P1I3S2
Montara
San Mateo Creek

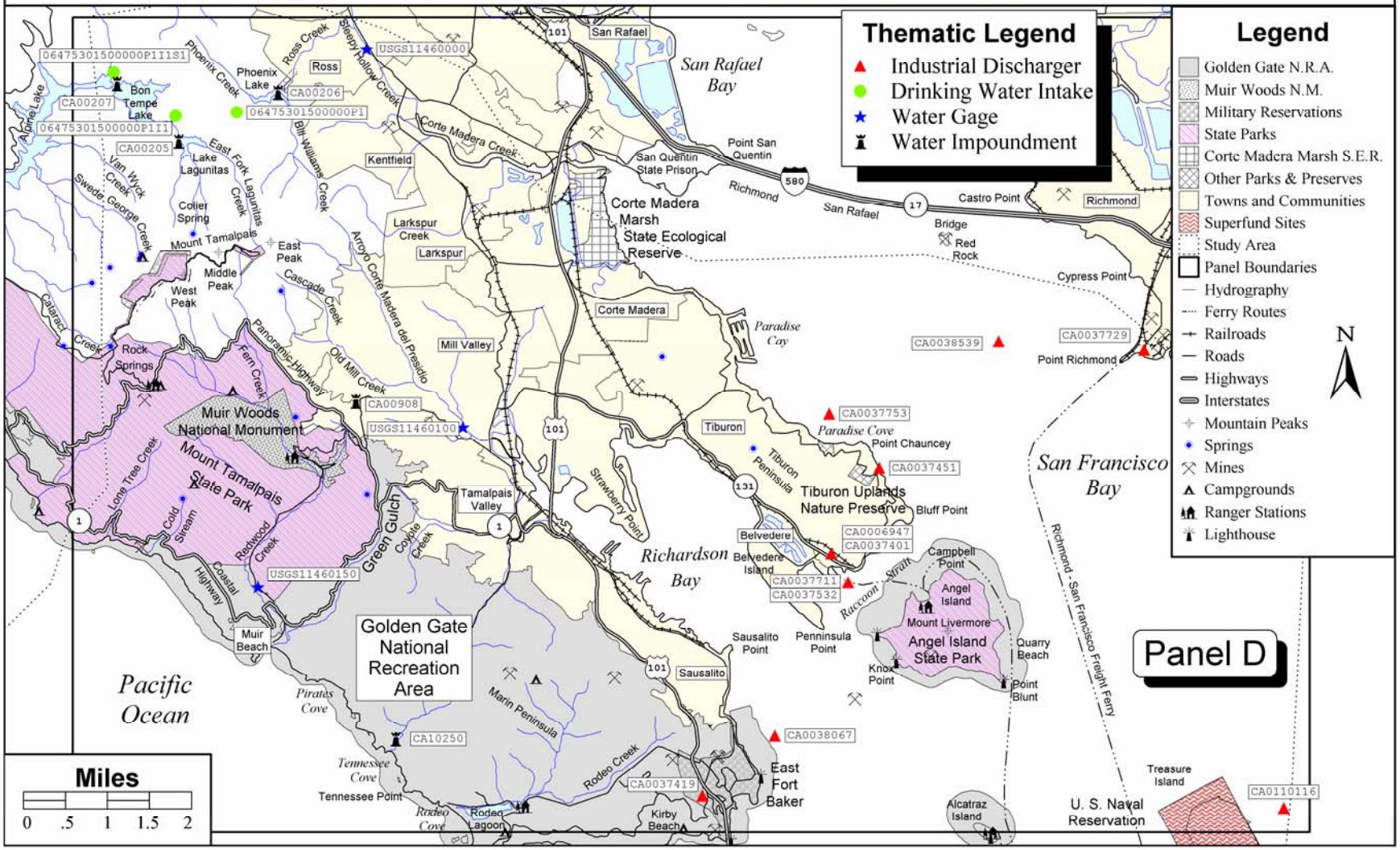
Golden Gate National Recreation Area

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Golden Gate National Recreation Area

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



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

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
CA0005118	DUPONT, E.I.	160 S LINDEN	SO. SAN FRAN.	CITY OF SO. SAN FRANCISCO STOR
CA0005215	CHEVRON U.S.A., INC.		SAN BRUNO	SAN FRANCISCO BAY
CA0005614	M & T CHEMICALS, INCSO. S.F. P	270 E GRAND AVE	SO. SAN FRAN.	COLMA C
CA0005762	BETHLEHEM STEEL CORPS.S.F. PLA	430 INDUSTRIAL WAY	SO. SAN FRAN.	COLMA C
CA0006220	PILOT PETROLEUM		REDWOOD CITY	REDWOOD CREEK
CA0006912	SUN CHEMICAL CORP. GENERAL PR	.....	SO. SAN FRAN.	S SAN FRANCISCO BAY
CA0006947	U.S. N.M.F.S.		TIBURON	SAN FRANCISCO BAY
CA0024350	U.S. ARMY C. OF ENGR		SAN FRANCISCO	DRY CREEK
CA0027774	MARINE WORLD	MARINE WORLD PARKWAY	REDWOOD CITY	BELMONT SLOUGH
CA0028070	SAN FRANCISCO C & C	SF AIRPORT INDUSTRIAL W	SAN FRANCISCO	SAN FRANCISCO BAY
CA0028495	BELL MARINE CO., INC		REDWOOD CITY	SAN FRANCISCO BAY
CA0028690	LESLIE SALT CO.		REDWOOD CITY	WESTPOINT SLOUGH (FIRST SL
CA0028801	CONTINENTAL MARITIME OF SF.		SAN FRANCISCO	
CA0037401	CA STATE D.P.R.		TIBURON	CENTRAL SAN FRANCISCO BAY
CA0037419	RICHARDSON BAY S.D.	500 TIBURON BLVD	TIBURON	RICHARDSON BAY TO SAN FRANCISC
CA0037451	U.S. N.M.F.S.	.....	TIBURON	SAN FRANCISCO BAY
CA0037460	HALF MOON BAY, CITY	CITY HALL	HALF MOON BAY	PACIFIC OCEAN
CA0037478	GRANADA S.D.	AIRPORT BOULEVARD	PRINCETON	PACIFIC OCEAN
CA0037486	MONTARA SAN. DIST.	PO BOX 131	MONTARA	PACIFIC OCEAN
CA0037494	PACIFICA, CITY OF	WASTEWATER TREATMENT PLAN	PACIFICA	PACIFIC OCEAN
CA0037532	MILLBRAE, CITY OF	NORTH BAYSIDE SYSTEM UNIT	MILLBRAE	SAN FRANCISCO BAY
CA0037672	SAN FRANCISCO C & C NORTH POIN	BAY & KEARNY ST	SAN FRANCISCO	SAN FRANCISCO BAY
CA0037681	SAN FRANCISCO C & C	DPW/BWPC, RICHMOND SUNSET	SAN FRANCISCO	PACIFIC OCEAN
CA0037711	SEWERAGE AGCY OF SOUTHRN MARIN	P.O. BOX 1029	MILL VALLEY	RICHARDSON BAY
CA0037729	RICHMOND, CITY OF	601 CANAL RD	RICHMOND	SAN FRANCISCO BAY
CA0037737	NO. SAN MATEO CNTY	153 LAKE MERCED BLVD	DALY CITY	PACIFIC OCEAN
CA0037753	MARIN CO. S.D. NO.5	P.O. BOX 227	TIBURON	RACCOON STRAITS, SAN FRANCISCO
CA0037915	SOUTHEAST WWTF			
CA0038067	SAUSALITO MARIN CITY	PO BOX 212	SAUSALITO	SAN FRANCISCO BAY
CA0038130	S.S.F. & SAN BRUNO	195 BELLE AIR ROAD	S. SAN FRANCISCO	SAN FRANCISCO BAY
CA0038181	SAN CARLOS & BELMONTSKY WAY& M	SKYWAY RD & MONTE VISTA	SAN CARLOS	SAN FRANCISCO BAY
CA0038334	REDWOOD CITY, WWTP MAPLE STRE	MAPLE ST	REDWOOD CITY	SAN FRANCISCO BAY
CA0038415	SAN FRANCISCO C & C	.....	SAN FRANCISCO	SAN FRANCISCO BAY
CA0038539	WEST COUNTY AGENCY	RICHMOND WWTP	RICHMOND	SAN FRANCISCO BAY
CA0038571	REDWOOD CITY/S.B.S.A	.....	REDWOOD CITY	SAN FRANCISCO BAY OR STEINBERG
CA0038598	SEWER AUTHORITY	P.O. BOX 3100	HALF MOON BAY	PACIFIC OCEAN
CA0038695	K G LAND CALIFORNIA		BELMONT	BELMONT SLOUGH
CA0080888	EMC ENERGIES, INC. NEW IORIA	.....	NEW IORIA	SAN CARLOS C
CA0110116	U.S. NAVY	NAVY PUBLIC WORKS CENTER	OAKLAND	SAN FRANCISCO BAY
CA0110486	SAN FRANCISCO C & C		SAN FRANCISCO	PACIFIC OCEAN

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

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
06325201000000P1	TREATMENT PLANT	HALF MOON BAY	13000	
06325201000000P1I1	DENNISTON CREEK	HALF MOON BAY	13000	
06325201000000P2	TREATMENT PLANT	HALF MOON BAY	13000	
06325201000000P2I1	PILARCITOS LAKE	HALF MOON BAY	13000	
06475301500000P1	BON TEMPE TRTMT PLT	CORTE MADERA	163200	0000.00
06475301500000P1I1	BON TEMPE LAKE	CORTE MADERA	163200	0000.00
06475301500000P1I1S1	ALPINE LAKE	CORTE MADERA	163200	0000.00
06493801510000P1	SAN ANDREAS FILT PT	SAN FRANCISCO	648000	0.00
06493801510000P1D1		SAN FRANCISCO	648000	0.00
06493801510000P1I1	SAN ANDREAS RES	SAN FRANCISCO	648000	0.00
06493801510000P1I1S1	PILARCITOS RES	SAN FRANCISCO	648000	0.00
06493801510000P1I1S2	CRYSTAL SPRINGS RES	SAN FRANCISCO	648000	0.00
06493801510000P1I2	SAN ANDREAS RES	SAN FRANCISCO	648000	0.00
06493801510000P1I3	CRYSTAL SPRINGS RES	SAN FRANCISCO	648000	0.00
06493801510000P1I3S1	PILARCITOS CREEK	SAN FRANCISCO	648000	0.00
06493801510000P1I3S2	SAN MATEO CREEK	SAN FRANCISCO	648000	0.00
06574901510000P1	SAN PEDRO TRTMT PLT	PACIFICA	37000	0000.00
06574901510000P1I1	SAN PEDRO CREEK	PACIFICA	37000	0000.00
06637801540000P1	TREATMENT PLANT	REDWOOD CITY	600	
06637801540000P1I1	LA HUNDA CREEK	REDWOOD CITY	600	
06859901510000P1	.....	WOODSIDE	65	3000.00
06859901510000P1I1	PURISIMA CREEK	WOODSIDE	65	3000.00

Water Gages

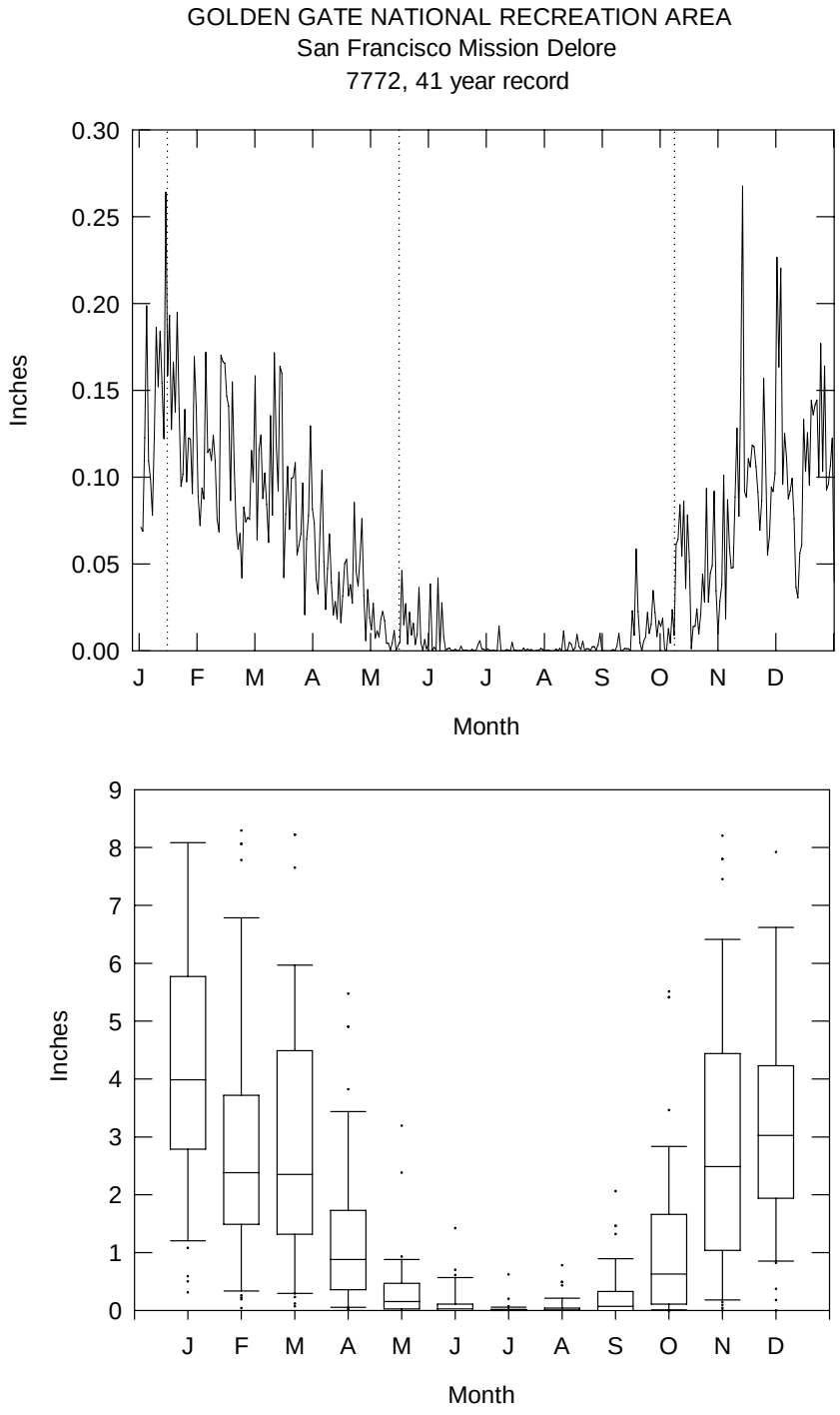
Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USCE374823122275401	PACIFIC OCEAN AT GOL	Estuary			
USGS11162600	PURISIMA C NR HALF MOON BAY CA		4.83	1959	1970
USGS11162630	PILARCITOS C A HALF MOON BAY CA	Stream	27.10	1966	2003
USGS11162720	COLMA C A SOUTH SAN FRANCISCO CA	Stream	10.80	1964	1996
USGS11162800	REDWOOD C A REDWOOD CITY CA	Stream	1.82	1960	1997
USGS11460000	CORTE MADERA C A ROSS CA	Stream	18.10	1951	1994
USGS11460100	ARROYO CORTE MADERA D PRES A MILL VALLEY CA	Stream	4.69	1966	1986
USGS11460150	REDWOOD CREEK NR TAM		638.00		
USNOSE01200	GOLDEN GATE A PRESID	Estuary			
USNOS374824122275401	SAN FRANCISCO PRESID	Estuary			
USGS11162680	LAKE MERCED AT PUMPHOUSE	Lake			
USGS11162690	SAN FRANCISCO BAY A PRESIDIO MILITARY RSERV CA	Estuary			
USGS11162700	SAN FRANCISCO BAY A PIER 24 A SAN FRANCISCO CA	Estuary			
USGS11162722	SPRUCE BRANCH AT SOUTH SAN FRANCISCO CALIF	Stream	0.70	1965	1970
USGS374411122285001	002S006W26A01M	Well			
USGS374519122300801	002S006W15K03M	Well			
USGS374523122300901	002S006W15K01M	Well			
USGS373742122274201	SKYLINE COLLEGE RAINGAGE AT SAN BRUNO CA	Climate			
USGS374132122265001	SAN BRUNO MT RAIN GAGE NR COLMA CA	Climate			
USGS374700122250001	SAN FRANCISCO WBAP CA	Climate			

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

Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
CA00055	CANADA ROAD 1-069	CA DEPT TRANSPORTATION	Supply	Earth	Low	1971
CA00127	LOWER CRYSTAL SPRINGS 10-006	CITY-CTY SAN FRANCISCO	Supply	Gravity	High	1888
CA00128	PILARCITOS 10-008	CITY-CTY SAN FRANCISCO	Supply	Earth	Low	1866
CA00129	SAN ANDREAS 10-010	CITY-CTY SAN FRANCISCO	Supply	Earth	Significant	1870
CA00130	STANFORD HEIGHTS 10-013	CITY-CTY SAN FRANCISCO	Supply	Earth	High	1928
CA00134	SUNSET NORTH BASIN 10-023	CITY-CTY SAN FRANCISCO	Supply	Earth	High	1938
CA00135	SUTRO RESERVOIR 10-024	CITY-CTY SAN FRANCISCO	Supply	Earth	High	1952
CA00136	SUNSET SOUTH BASIN 10-025	CITY-CTY SAN FRANCISCO	Supply	Earth	High	1960
CA00205	LAGUNITAS 33-002	MARIN MUN WATER DIST	Supply	Earth	Significant	1872
CA00206	PHOENIX LAKE 33-003	MARIN MUN WATER DIST	Supply	Earth	High	1905
CA00207	BON TEMPE 33-006	MARIN MUN WATER DIST	Supply	Earth	Significant	1949
CA00663	LYNDA LAKE 600-	ALLAN PIT ET AL	Supply	Earth	High	1926
CA00667	JOHNSTON 605-002	HALF MOON BAY PROP INC	Supply	Gravity	Significant	1919
CA00668	EMERALD LAKE 1 LOWER 612-	EMERALD LAKE C.C.	Supply	Earth	Significant	1900
CA00672	CROCKER 2014-	TOWN OF HILLSBOROUGH	Supply	Earth	High	1890
CA00673	BURLINGAME 2014-002	TOWN OF HILLSBOROUGH	Supply	Earth	High	1876
CA00674	NOTRE DAME 619-	COLLEGE NOTRE DAME	Supply	Earth	High	1900
CA00901	LAUREL CREEK 1070-	CITY OF SAN MATEO	Supply	Earth	Significant	1969
CA00908	BELVEDERE 1077-	CITY OF MILL VALLEY	Supply	Earth	Significant	1905
CA10250	TENNESSEE VALEY DAM	DOI NPS WR GOGA	Rec.	Earth	Low	

REPRESENTATIVE PRECIPITATION PLOTS FOR SEASONAL ANALYSIS



Plot of average daily precipitation (top) and distribution of monthly precipitation (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 Golden Gate National Recreation Area are: May 15 to Oct. 9, Oct. 10 to Jan. 14, and Jan. 15 to May 14.

CONTACTS FOR AGENCY CODES RETRIEVED FOR GOGA

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
112WRD	BRIGGS, JOHN	US GEOLOGICAL SURVEY	(703)648-5624	
21CAL-1	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
21CAL-3	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
1119REG9	WILSON, ERIC	USEPA REGION 9 WTR-2	(415)744-1964	
11NATDC	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	
11TOX09	WILSON, ERIC	USEPA REGION 9 WTR-2	(415)744-1964	
1114GBL	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	
1119ORPF	STORET USER ASSISTANCE	USEPA HQ	(202)260-7050	(800)424-9067
* DATA FOR 1119ORPF HAS BEEN 'RETIRED' AT THE REQUEST OF STORET USER ASSISTANCE (703)883-8861 ON 03/14/86.				
111WS	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	
21CAL-84	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
21CAL-6	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
21CAL-87	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
1110DFID	YOUNG, GARY	USEPA - NEIC	(303)236-5132	
* DATA FOR 1110DFID HAS BEEN 'RETIRED' AT THE REQUEST OF STORET USER ASSISTANCE (800)424-9067 ON 09/22/94.				
21CAL-82	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
11COESFD	BRICK, WILLIAM	CORPS OF ENGINEERS	(415)974-0460	
11EPAMW	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	
11RCSAL	YOUNG, BOB	US BUR OF RECLAMATION	(916)978-5042	

QUANTITY OF DATA RETRIEVED FOR GOGA 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[!] 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
112WRD	US GEOLOGICAL SURVEY	03/23/59-01/08/91	03/23/59-01/08/91	39	10	5	1	0	0	13322	492	150	68
21CAL-1	CA WATER RES CONTROL BRD	01/01/01-06/04/86	01/01/01-05/05/75	62	13	2	1	5	0	8902	1738	69	61
21CAL-3	CA WATER RES CONTROL BRD	02/03/81-03/10/87	02/03/81-05/05/83	18	6	0	0	16	5	54	32	26	18
11NPSWRD	NATIONAL PARK SERVICE	04/27/06-12/29/99	04/27/06-12/29/99	188	165	10	5	0	0	101051	82432	259	251
1119REG9	USEPA REGION 9 WTR-2	01/30/72-12/18/72	01/30/72-12/18/72	69	18	0	0	64	17	310	147	38	14
11NATDC	USEPA HQ	No Data in S.A.	No Data in Park	1^	1	0	0	0	0	0	0	0	0
11TOX09	USEPA REGION 9 WTR-2	No Data in S.A.	No Data in Park	9	8	0	0	9	8	0	0	0	0
1114GBL	USEPA HQ	01/01/66-12/01/72	No Data in Park	4	0	0	0	0	0	1702	0	11	0
1119ORPF	USEPA HQ	01/02/69-01/10/74	No Data in Park	1	0	1	0	0	0	1514	0	20	0
111WS	USEPA HQ	03/28/75-03/28/75	No Data in Park	1	0	0	0	0	0	8	0	8	0
21CAL-84	CA WATER RES CONTROL BRD	01/24/80-12/24/87	07/23/80-12/24/87	15	3	0	0	1	0	18381	1083	7	6
21CAL-6	CA WATER RES CONTROL BRD	No Data in S.A.	No Data in Park	1	0	0	0	1	0	0	0	0	0
21CAL-87	CA WATER RES CONTROL BRD	No Data in S.A.	No Data in Park	3^	0	0	0	0	0	0	0	0	0
1110DFID	USEPA - NEIC	No Data in S.A.	No Data in Park	9^	0	0	0	0	0	0	0	0	0
21CAL-82	CA WATER RES CONTROL BRD	09/12/67-02/08/79	No Data in Park	8	0	0	0	0	0	1232	0	5	0
11COESFD	CORPS OF ENGINEERS	No Data in S.A.	No Data in Park	3	0	0	0	3	0	0	0	0	0
11EPAMW	USEPA HQ	No Data in S.A.	No Data in Park	3	1	0	0	3	1	0	0	0	0
11RCSAL	US BUR OF RECLAMATION	No Data in S.A.	No Data in Park	1^	0	0	0	0	0	0	0	0	0
Totals		01/01/01-12/29/99	01/01/01-12/29/99	435	225	18	7	102	31	146476	85924	432	313

[!]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.

^These stations contain data entered into STORET and locked by the controlling agency (EPA, BOR, or CWRCB). Results of a STORET retrieval are limited to general station information and any unlocked portions of the data. Additional data must be obtained by contacting the controlling agency (EPA, BOR, or CWRCB).

Station Period of Record Tabulation
From 01/01/01 To 12/29/99

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75
GOGA0001	PURISIMA C NR HALF MOON BAY CA	No	28	0	28	0
GOGA0002	PURISHIMA CR NR HALF MOON BAY	No	1	0	0	1
GOGA0003	REDWOOD C A REDWOOD CITY CA	No	44	0	0	44
GOGA0004	ARROYO LEON C A DAM AB HIGGENS RD	No	1	0	0	1
GOGA0005	ARROYO LEON C A KELLY AVE	No	215	0	66	149
GOGA0006	UNNAMED STRM TRIB. TO UPPER CRYS	Yes	17	0	0	17
GOGA0007	PILARCITOS C A HALF MOON BAY CA	No	16	16	0	0
GOGA0008	PILARCITOS CR AB ARROYO LEON CR	No	1	0	0	1
GOGA0009	41-011 NUNES WTP	No	0	0	0	0
GOGA0010	PILARCITOS CREEK AT ELMAR BEACH	No	1	0	0	1
GOGA0011	PILARCITOS C BL MADONNA CK	No	275	0	84	191
GOGA0012	MADONNA C A MIRAMONTES RIDGE	No	197	0	7	190
GOGA0013	CORINDA LOS TRANCOS C N HALF MN B	No	12	0	0	12
GOGA0014	UPPER CRYSTAL SPRINGS RESERVOIR TRIBUTARY #4	Yes	17	17	0	0
GOGA0015	FRENCHMANS CREEK NR HALF MOON BAY	No	1	0	0	1
GOGA0016	FRENCHMANS CREEK AT HALF MOON BAY	No	254	0	66	188
GOGA0017	UPPER CRYSTAL SPRINGS RESERVOIR TRIBUTARY #5	Yes	17	17	0	0
GOGA0018	PILARCITOS CR BELOW NUFF CREEK	No	1	0	0	1
GOGA0019	PILARCITROS C SF A MO A ALBERT CN	No	198	0	8	190
GOGA0020	UPPER CRYSTAL SPRINGS RESERVOIR TRIBUTARY #3	Yes	17	17	0	0
GOGA0021	UPPER CRYSTAL SPRINGS RESERVOIR	Yes	1060	1060	0	0
GOGA0022	PILARCITROS C AB S F A ALBERT CN	No	171	0	7	164
GOGA0023	UPPER CRYSTAL SPRINGS RESERVOIR TRIBUTARY #2	Yes	17	17	0	0
GOGA0024	CENTER OF UPPER CRYSTAL SPRINGS RESERVOIR	Yes	19	0	0	19
GOGA0025	FRENCHMANS CREEK EAST OF MIRAMAR	No	1	0	0	1
GOGA0026	CRYSTAL SPRINGS LAKE (CRYSTAL SPGS RESERVOIR)	Yes	9	0	0	9
GOGA0027	CORDILLERAS C A HWY 101	No	39	0	0	39
GOGA0028	DENNISTON CR AT PRINCETON	No	1	0	0	1
GOGA0029	OCEAN BEACH NEAR VICENTE OVERFLOW STRUCTURE	Yes	163	163	0	0
GOGA0030	OCEAN BEACH NEAR VICENTE OVERFLOW STRUCTURE	Yes	734	734	0	0
GOGA0031	UPPER CRYSTAL SPRINGS RESERVOIR TRIBUTARY #1	Yes	17	17	0	0
GOGA0032	DENNISTON C A HWY 1 A EL GRANADA	No	261	0	82	179
GOGA0033	BTWN SMITH & STEINBERGER SLOUGHS	No	31	0	0	31
GOGA0034	FRENCHMANS CREEK NEAR HALF MOON	No	15	0	0	15
GOGA0035	BELMONT PUMPING STATION	No	10	0	0	10
GOGA0036	BELMONT CR AT HWY 101 AT BELMONT	No	20	0	0	20
GOGA0037	DENNISTON CREEK BELOW DAM	No	1	0	0	1
GOGA0038	41-011 DENNISTON WTP	No	0	0	0	0
GOGA0039	DENNISTON CREEK ABOVE RESERVOIR	No	96	0	0	96
GOGA0040	SAN VICENTE C A ETHELDORE RD	No	317	0	66	251
GOGA0041	38-001 STONE DAM RESERVOIR-RAW	Yes	0	0	0	0
GOGA0042	38-001 LOWER CRYSTAL SPRINGS RES.-RAW	Yes	0	0	0	0
GOGA0043[1]	LOWER CRYSTAL SPRINGS RESERVOIR	Yes	4513	4513	0	0
GOGA0044	DEAN C AB CABRILLO HWY A MOSS BEA	No	220	0	86	134
GOGA0045	CENTER OF LOWER CRYSTAL SPRINGS RESERVOIR	Yes	19	0	0	19
GOGA0046	DENNISTON C NR HALF MOON BAY CA	No	17	0	0	17
GOGA0047	MONTARA C A ELM ST A MONTARA	No	290	0	82	208
GOGA0048	UNNAMED STRM TRIB. TO LOWER CRYS	Yes	17	0	0	17
GOGA0049	41 010 MONTARA WATER TREATMENT PLANT	No	0	0	0	0
GOGA0050	38-001 PILARCITOS RESERVOIR-RAW	Yes	0	0	0	0
GOGA0051[1]	PILARCITOS RESERVOIR	Yes	1396	1396	0	0
GOGA0052	LAKE PILARCITOS (PILARCITOS RESERVOIR)	Yes	9	0	0	9
GOGA0053	CENTER OF PILARCITOS LAKE	Yes	53	0	0	53
GOGA0054	41-010 MONTARA CREEK	No	22	22	0	0
GOGA0055	MARTINI C A SAN PEDRO MTN RD	No	0	0	0	0
GOGA0056	THE LAKE AT NEWARK CALIF	No	15	0	0	15
GOGA0057	MARTINI C S F NR MONTARA	No	298	0	93	205
GOGA0058	MARTINI C N F NR MONTARA	No	280	0	74	206
GOGA0059	GREEN VALLEY CREEK AT HIGHWAY 1	No	301	0	91	210
GOGA0060	41-025 SAN PEDRO CREEK	Yes	32	0	32	0
GOGA0061	SAN PEDRO CR TRIB AB SANCHEZ SCHOOL	No	1	0	0	1
GOGA0062	SAN PEDRO C TRIB AB SANCHEZ SCH	No	0	0	0	0
GOGA0063	SAN ANDREAS RESERVOIR AT PILARCITOS OUTFALL	Yes	70	70	0	0
GOGA0064	SAN ANDREAS RES. AT LOWER CRYSTAL SPGS OUTFALL	Yes	56	56	0	0
GOGA0065	41 025 SAN PEDRO WATER TREATMENT PLANT	No	0	0	0	0
GOGA0066	LAKE SAN ANDREAS (SAN ANDREAS RESERVOIR)	Yes	9	0	0	9
GOGA0067	SAN PEDRO CREEK AT LINDA MAR BLVD	No	357	0	95	262
GOGA0068	SAN ANDREAS RESERVOIR AT BOAT RAMP	Yes	80	80	0	0
GOGA0069	SAN ANDREAS RESERVOIR (MID-RESERVOIR)	Yes	78	78	0	0
GOGA0070	SAN PEDRO CREEK AT PACIFICA CALIF	No	28	0	28	0
GOGA0071	PEDRO VALLEY TRIB TO SAN PEDRO C	No	0	0	0	0

Station Period of Record Tabulation
From 01/01/01 To 12/29/99

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75
GOGA0072	SAN PEDRO C A HWY 1 %BR NO 35-53<	Yes	336	0	107	229
GOGA0073	CENTER OF SAN ANDREAS LAKE	Yes	19	0	0	19
GOGA0074	38-001 SAN ANDREA RESERVOIR-RAW	Yes	0	0	0	0
GOGA0075	SAN ANDREAS RESERVOIR	Yes	97	97	0	0
GOGA0076	POINT SAN PEDRO	Yes	0	0	0	0
GOGA0077[1]	SAN ANDREAS RESERVOIR	Yes	5033	5033	0	0
GOGA0078	ROCKAWAY BEACH UN-KN C A EBKEN ST	No	0	0	0	0
GOGA0079	CALERA C A MOUTH A ROCKAWAY BEACH	No	57	0	0	57
GOGA0080	CALERA CREEK AT ROCKAWAY BEACH	No	379	0	81	298
GOGA0081	CALERA C A VALLEMAR -REINA DELMAR	No	57	0	0	57
GOGA0082	CALERA CREEK TRIB AT VALLEMAR	Yes	368	0	81	287
GOGA0083	SAN ANDREAS LAKE NORTH TRIBUTARY	Yes	1	0	0	1
GOGA0084	LAGUNA SALADA CR AT MARSH LAGOON	Yes	1	0	0	1
GOGA0085	LAGUNA SALADA CK A HWY 1 A PACIFA	Yes	391	0	80	311
GOGA0086	SALT CR AT CONF, LAGUNA SALADA CR	Yes	1	0	0	1
GOGA0087	SAN BRUNO C A ENGVALL SCH	No	365	0	81	284
GOGA0088	MILAGRA VALLEY CREEK AT EDGEMAR AVE	No	1	0	0	1
GOGA0089[1]	SPRUCE BRANCH AT SOUTH SAN FRANCISCO CALIF	No	361	0	0	361
GOGA0090[1]	COLMA C A SOUTH SAN FRANCISCO CA	No	1753	0	543	1210
GOGA0091	COLOMA C A SOUTH SAN FRANCISCO	No	0	0	0	0
GOGA0092[1]	PACIFIC OCEAN 2 1/2 MI SOUTH OF OUTFALL DIFFUSER	No	2667	2667	0	0
GOGA0093	PACIFIC OCEAN AT MUSSEL ROCKS	Yes	315	315	0	0
GOGA0094	PACIFIC OCEAN AT SHORELINE NEAR DALY CITY	Yes	315	315	0	0
GOGA0095	PACIFIC OCEAN SOUTH OF THORNTON BEACH STATE PARK	No	1133	1133	0	0
GOGA0096	PACIFIC OCEAN SOUTHEAST OF OUTFALL DIFFUSER	No	1745	1745	0	0
GOGA0097	SURF NR LAKE MERCED OVERFLOW STRUCTURE	Yes	0	0	0	0
GOGA0098	OCEAN BEACH IN THE SURF W OF SAN MATEO COUNTY LN	Yes	3557	3557	0	0
GOGA0099	OCEANSIDE RECEIVING WATER STATTION 1	No	0	0	0	0
GOGA0100	OCEAN BEACH AT LAKE MERCED OVERFLOW STRUCTURE	Yes	296	296	0	0
GOGA0101[1]	PACIFIC OCEAN WEST OF SAN MATEO COUNTY LINE	No	2889	2889	0	0
GOGA0102	SOUTH LAKE MERCED	No	15	0	0	15
GOGA0103	CENTER OF SOUTH LAKE MERCED	No	66	0	0	66
GOGA0104	002S005W33BS01M	No	46	46	0	0
GOGA0105	38-001 LAKE MERCED-RAW	No	0	0	0	0
GOGA0106	LK MERCED A BOATHOUSE AT SAN FRANCISCO CA	No	72	72	0	0
GOGA0107	CENTER OF NORTH LAKE MERCED	No	50	0	0	50
GOGA0108	NORTH LAKE MERCED	No	15	0	0	15
GOGA0109	OCEAN BEACH IN THE SURF IN LINE WITH VICENTE ST	Yes	3987	3987	0	0
GOGA0110	002S006W25AS01M	No	51	51	0	0
GOGA0111	OCEAN BEACH AT THE VICENTE OVERFLOW STRUCTURE	Yes	745	745	0	0
GOGA0112[1]	PACIFIC OCEAN IN LINE WITH VICENTE STREET	No	2675	2675	0	0
GOGA0113	OCEAN BEACH IN THE SURF IN LINE WITH CUTLER AVE	Yes	748	748	0	0
GOGA0114	OCEAN BEACH IN THE SURF IN LINE WITH CUTLER AVE	Yes	468	468	0	0
GOGA0115	COLLEGE HILL RESERVOIR	No	14	0	0	14
GOGA0116	PACIFIC OCEAN OFF OCEAN AVENUE	No	13	0	0	13
GOGA0117	002S005W21KS01M	No	26	26	0	0
GOGA0118	OCEAN BEACH IN THE SURF IN LINE WITH PACHECO ST	Yes	3270	3270	0	0
GOGA0119	LAKE HONDA (LAGUNA HONDA)	No	15	0	0	15
GOGA0120	CLARENDON HEIGHTS RESERVOIR	No	14	0	0	14
GOGA0121	OCEAN BEACH OPPOSITE VICENTE STREET	Yes	0	0	0	0
GOGA0122	MIDWAY BETWEEN STATIONS WQ19 & WQ21	Yes	0	0	0	0
GOGA0123	OCEAN BEACH OPPSITE LINCOLN WAY	Yes	0	0	0	0
GOGA0124[1]	PACIFIC OCEAN IN LINE WITH LINCOLN WAY	No	2722	2722	0	0
GOGA0125	OCEAN BEACH AT THE LINCOLN OVERFLOW STRUCTURE	Yes	748	748	0	0
GOGA0126	OCEAN BEACH IN THE SURF IN LINE WITH LINCOLN WAY	Yes	3994	3994	0	0
GOGA0127	OCEAN STREET AT FOOT OF CABRILLO STREET	Yes	0	0	0	0
GOGA0128[1]	PACIFIC OCEAN IN LINE WITH FULTON STREET	No	2813	2813	0	0
GOGA0129	POINT SAN QUENTIN-SAN FRANCISCO BAY NORTH	No	544	0	0	544
GOGA0130	OCEAN BEACH IN THE SURF IN LINE WITH BALBOA ST	Yes	747	747	0	0
GOGA0131	OCEAN BEACH IN THE SURF IN LINE WITH BALBOA ST	Yes	3982	3982	0	0
GOGA0132[1]	RGN 9	No	1514	0	0	1514
GOGA0133	SAN FRANCISCO WATER DEPT.	No	8	0	8	0
GOGA0134[1]	002S006W01MS01M	No	84	84	0	0
GOGA0135	LOBOS CREEK-SPECIFIC LOCATION UNKNOWN	Yes	3	3	0	0
GOGA0136	LOBOS CREEK NEAR 18TH AVENUE	Yes	3	3	0	0
GOGA0137	LOBOS CREEK	Yes	43	0	0	43
GOGA0138	LOBOS CREEK 700 FEET UPSTREAM OF LINCOLN BLVD	Yes	212	212	0	0
GOGA0139[1]	LOBOS CREEK CONTROL	Yes	5347	5347	0	0
GOGA0140	LOBOS C CA	Yes	49	49	0	0
GOGA0141	LOBOS CREEK NEAR NORTH SPRING	Yes	3	3	0	0
GOGA0142	LOBOS CREEK AT THE 22ND AVENUE OVERCROSSING	Yes	113	113	0	0

Station Period of Record Tabulation
From 01/01/01 To 12/29/99

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75
GOGA0143	LOBOS CREEK 500 FEET UPSTREAM OF LINCOLN BLVD	Yes	217	217	0	0
GOGA0144	LOBOS CREEK NEAR SOUTH SPRING	Yes	3	3	0	0
GOGA0145	LOBOS CREEK UPSTREAM OF LINCOLN BLVD	Yes	44	44	0	0
GOGA0146[1]	002S006W02JS01M	Yes	87	87	0	0
GOGA0147	SOUTH SHORE OF MOUNTAIN LAKE	Yes	24	24	0	0
GOGA0148	SOUTHWEST CORNER OF MOUNTAIN LAKE	Yes	2	2	0	0
GOGA0149	SOUTH SHORE OF MOUNTAIN LAKE	Yes	45	45	0	0
GOGA0150	SEDIMENT CORE FROM SOUTH SHORE OF MOUNTAIN LAKE	Yes	20	20	0	0
GOGA0151	LOBOS CREEK JUST UPSTREAM OF LINCOLN BLVD	Yes	6	6	0	0
GOGA0152	LOBOS CREEK NEAR DRINKING WATER DIVERSION	Yes	391	391	0	0
GOGA0153	LOBOS CREEK 50 FEET DOWNSTREAM OF LINCOLN BLVD	Yes	217	217	0	0
GOGA0154[1]	LOBOS CREEK DOWNSTREAM OF LINCOLN BLVD	Yes	5306	5306	0	0
GOGA0155	OPPOSITE BATHHOUSE ON PHELAN BEACH	Yes	0	0	0	0
GOGA0156	CENTER OF MOUNTAIN LAKE	Yes	120	120	0	0
GOGA0157	CENTER OF MOUNTAIN LAKE	Yes	233	233	0	0
GOGA0158	EAST PART OF MOUNTAIN LAKE	Yes	181	181	0	0
GOGA0159	LOBOS CREEK 50 FEET DOWNSTREAM OF LINCOLN BLVD	Yes	113	113	0	0
GOGA0160	EAST FINGER OF MOUNTAIN LAKE	Yes	9	9	0	0
GOGA0161	SEDIMENT CORE FROM WEST SHORE OF MOUNTAIN LAKE	Yes	78	78	0	0
GOGA0162	EAST SHORE OF MOUNTAIN LAKE	Yes	3	3	0	0
GOGA0163	SAN FRANCISCO BAY 1.5KM SOUTH OF YERBA BUENA ISL	No	2274	974	1300	0
GOGA0164	NORTH FINGER OF MOUNTAIN LAKE	Yes	8	8	0	0
GOGA0165	LOBOS CREEK 500 FEET DOWNSTREAM OF LINCOLN BLVD	Yes	217	217	0	0
GOGA0166	LOBOS CREEK D/S OF DRINKING WATER DIVERSION	Yes	3	3	0	0
GOGA0167	CHINA BEACH NEAR SEA CLIFF 1 PUMP STATION	Yes	733	733	0	0
GOGA0168	PHELAN BEACH (CHINA BEACH) IN THE SURF	Yes	3946	3946	0	0
GOGA0169	SOUTHWESTERN END OF BAKERS BEACH	Yes	0	0	0	0
GOGA0170	LOBOS CR AT 25 AVE IN PRESIDIO	Yes	1	0	0	1
GOGA0171	BAKER BEACH OPPOSITE SEA CLIFF 2 PUMP STATION	Yes	746	746	0	0
GOGA0172	BAKER BEACH OPPOSITE SEA CLIFF 2 PUMPING ST	Yes	4051	4051	0	0
GOGA0173	LOBOS CREEK 200 FEET INLAND FROM PACIFIC OCEAN	Yes	217	217	0	0
GOGA0174	TERMINUS OF LOBOS CREEK AT BAKER BEACH	Yes	82	82	0	0
GOGA0175	STORM WATER FROM GOLF COURSE UNDER HWY. 1 BRIDGE	Yes	75	75	0	0
GOGA0176	LOBOS CREEK NEAR TERMINUS 2ND DISCHARGE PIPE	Yes	3	3	0	0
GOGA0177	BAKER BEACH IN THE SURF NEAR PARKING LOT PATH	Yes	4094	4094	0	0
GOGA0178	BAKER BEACH NEAR SEA CLIFF 2 PUMP STATION	Yes	761	761	0	0
GOGA0179	SF BAY SF PORT PIER 24 BAY BR W-2	No	0	0	0	0
GOGA0180	SF BAY SF PORT PIER 24 BAY BR W-2	No	108	108	0	0
GOGA0181	MOUTH OF LOBOS CREEK SURF	Yes	0	0	0	0
GOGA0182	EL POLIN SPRING (MACARTHUR AVE AT EL POLIN LOOP)	Yes	71	71	0	0
GOGA0183	SF BAY NEAR BAY BRIDGE SUPPORT B	No	0	0	0	0
GOGA0184	STORM WATER FROM INFANTRY TERRACE	Yes	68	68	0	0
GOGA0185	S.F. BAY NR SF-OAK BR OFF RINCON	No	29	0	28	1
GOGA0186	STORM WATER FROM EDIE ROAD AND O'REILLY AVENUE	Yes	69	69	0	0
GOGA0187	SAN FRANCISCO BAY A BAY BRIDGE CA	No	3340	0	3340	0
GOGA0188	PACIFIC OCEAN A GOLDEN GATE CHANN	No	22	0	0	22
GOGA0189	SOUTH BAY WEST OF HELMET ROCK	No	1638	1638	0	0
GOGA0190	AT S F BAY BRIDGE SUPPORT D.	No	0	0	0	0
GOGA0191	S.F. BAY W OF YERBA BUENA ISL	No	306	0	0	306
GOGA0192	LOMBARD STREET RESERVOIR	No	15	0	0	15
GOGA0193	STORM WATER FROM NORTH SIDE OF DOYLE DRIVE	Yes	71	71	0	0
GOGA0194	FRANCISCO STREET RESERVOIR	No	14	0	0	14
GOGA0195	CENTRAL SAN FRANCISCO BAY: SOUTH GOLDEN GATE BR	Yes	424	168	256	0
GOGA0196	S.F. BAY AT CRISSEY FIELD NEAR CYPRESS TREE	Yes	1856	1856	0	0
GOGA0197	S.F. BAY AT CRISSEY FIELD WEST OF TIDAL CHNL	Yes	1811	1811	0	0
GOGA0198	AT STP 300 YD N OF TELEGRAPH HIL	No	0	0	0	0
GOGA0199	SAN FRANCISCO BAY AT CRISSEY FIELD NR NOAA BLDG	Yes	1766	1766	0	0
GOGA0200	AT STP 300 YD N OF TELEGRAPH HIL	No	0	0	0	0
GOGA0201	SAN FRANCISCO BAY AT CRISSEY FIELD NR BATHROOMS	Yes	79	79	0	0
GOGA0202	SAN FRANCISCO BAY AT ST. FRANCIS YACHT CLUB	Yes	1960	1960	0	0
GOGA0203	SAN FRANCISCO BAY AT HYDE STREET PIER	Yes	650	650	0	0
GOGA0204	SAN FRANCISCO BAY NEAR AQUATIC PARK	Yes	1668	1668	0	0
GOGA0205	SAN FRANCSICO BAY NEAR ST. FRANCIS YACHT CLUB	Yes	1060	1060	0	0
GOGA0206	STORM WATER FROM PARKING AREA NEAR LONG AVENUE	Yes	71	71	0	0
GOGA0207	AT END OF SAN FRANCISCO PIER 35	No	0	0	0	0
GOGA0208	SAN FRANCISCO BAY AT AQUATIC PARK NR BATHROOMS	Yes	2116	2116	0	0
GOGA0209[1]	S.F.BAY AT FORT POINT	Yes	560	0	0	560
GOGA0210	AT END OF SAN FRANCISCO PIER 37	No	0	0	0	0
GOGA0211	SAN FRANCISCO AT NORTHPOINT	No	32	0	0	32
GOGA0212	NEAR AQUATIC PARK IN S.F. BAY	Yes	0	0	0	0
GOGA0213	5000 FT OFFSHORE FROM PIER 23.	No	0	0	0	0

Station Period of Record Tabulation
From 01/01/01 To 12/29/99

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75
GOGA0214	CENTRAL S.F. BAY: MUNI PIER	Yes	201	108	93	0
GOGA0215	WITHIN 100 FT OF PIER 29 DISCHRG	No	0	0	0	0
GOGA0216	100 FT OFFSHORE PIER 33 DISCHARG	No	0	0	0	0
GOGA0217	SAN FRANCISCO BAY AT FORT POINT	Yes	874	874	0	0
GOGA0218	100 FT OFFSHORE PIER 35 DISCHARG	No	0	0	0	0
GOGA0219	AT PT OF DISCHRG BTWN PIER 37&39	No	0	0	0	0
GOGA0220	MILAGRA VALLEY CREEK AT HWY 1	No	1	0	0	1
GOGA0221	CENTRAL SAN FRANCISCO BAY: YERBA BUENA ISLAND	No	522	175	347	0
GOGA0222	5000 FT OFFSHORE FROM PIER 41.	Yes	0	0	0	0
GOGA0223	S.F.BAY AT GOLDEN GATE	Yes	11	0	0	11
GOGA0224	600 FT OUT, OFF END OF PIER 39	No	0	0	0	0
GOGA0225	SAN FRANCISCO BAY- TREASURE ISLAND BEACH	No	0	0	0	0
GOGA0226	1600 FT OFFSHOR PIER 33 DISCHARG	No	0	0	0	0
GOGA0227	1600 FT OFFSHOR PIER 35 DISCHARG	No	0	0	0	0
GOGA0228	GOLDEN GATE AT GG BR NR SF TOWER	Yes	12	0	0	12
GOGA0229	SAN FRANCISCO BAY A ALCATRAZ ISLAND CA	No	88	0	88	0
GOGA0230	SAN FRANCISCO BAY A GOLDEN GATE BRIDGE CA	No	412	0	412	0
GOGA0231	N SF BAY- MIDWAY BETWEEN ALCATRAZ ISL.AND SF.	No	115	0	8	107
GOGA0232	BUOY FI BELL #BR	No	0	0	0	0
GOGA0233	BUOY FI 4 SEC #4	No	0	0	0	0
GOGA0234[1]	S.F. BAY A TREASURE ISL	No	1944	0	892	1052
GOGA0235	CENTER OF DISPOSAL SITE - NO 1 LOCATION	No	0	0	0	0
GOGA0236	DUMMY STATION FOR CENTRAL S.F. BAY SALMON TRAWL	No	0	0	0	0
GOGA0237	CENTER OF DISPOSAL SITE - NO 1 LOCATION	No	0	0	0	0
GOGA0238	CENTER OF DISPOSAL SITE - NO 1 LOCATION	No	0	0	0	0
GOGA0239	PACIFIC OCEAN AT POTATOPATCH SHOAL	No	11	0	0	11
GOGA0240	4100 FT OUT, OFF END OF PIER 35	No	0	0	0	0
GOGA0241	CENTRAL SAN FRANCISCO BAY: NORTH GOLDEN GATE BR	Yes	458	175	283	0
GOGA0242	N SF BAY 500 YDS EAST OF TREASURE ISL. DOCKS.	No	180	0	49	131
GOGA0243	600 FT OUT, OFF END OF PIER 33	No	0	0	0	0
GOGA0244	RODEO LAGOON AT THE FAR WEST TRANSECT	Yes	9	9	0	0
GOGA0245	RODEO LAGOON AT THE WEST TRANSECT	Yes	5	5	0	0
GOGA0246	RODEO LAGOON CALIF	Yes	54	54	0	0
GOGA0247	RODEO LAGOON AT THE PEDESTRIAN BRIDGE	Yes	14	14	0	0
GOGA0248	RODEO LAGOON AT THE EAST TRANSECT	Yes	5	5	0	0
GOGA0249	NORTH SIDE OF RODEO LAGOON	Yes	76	76	0	0
GOGA0250	RODEO LAGOON AT THE FAR EAST TRANSECT	Yes	9	9	0	0
GOGA0251	RODEO LAGOON AT FORT CRONKITE; NEAR SAUSALITO	Yes	208	208	0	0
GOGA0252	RODEO LAGOON AT FOOT BRIDGE	Yes	42	42	0	0
GOGA0253	RODEO LAGOON AT THE STOP SIGN	Yes	40	40	0	0
GOGA0254	N SAN FRANCISCO	Yes	0	0	0	0
GOGA0255	RODEO LAGOON NEAR THE FRESH-WATER INLET	Yes	16	16	0	0
GOGA0256	RODEO LAGOON AT THE WOODEN BRIDGE	Yes	40	40	0	0
GOGA0257	RODEO LAGOON NEAR FRESH-WATER INLET	Yes	63	63	0	0
GOGA0258	RODEO STABLE DIRECT RUNOFF	Yes	7	7	0	0
GOGA0259	RODEO LAGOON AT THE ROAD BRIDGE	Yes	40	40	0	0
GOGA0260	SOUTH SHORE OF RODEO LAKE	Yes	40	40	0	0
GOGA0261	SOUTHERN SIDE OF RODEO LAKE	Yes	8	8	0	0
GOGA0262	SOUTH SIDE OF RODEO LAKE	Yes	73	73	0	0
GOGA0263	RODEO CREEK UPSTREAM OF STABLES	Yes	46	46	0	0
GOGA0264	RODEO CREEK UPSTREAM FROM HORSE STABLES	Yes	98	98	0	0
GOGA0265	GERBODE VALLEY CREEK NEAR SAUSALITO	Yes	216	216	0	0
GOGA0266	GERBODE VALLEY CALIF	Yes	52	52	0	0
GOGA0267	SF BAY AT N END OF TREASURE IS	No	0	0	0	0
GOGA0268	SF BAY NW OF TREASURE ISLAND	No	0	0	0	0
GOGA0269	RODEO CREEK 1000 FEET UPSTREAM OF RODEO LAKE	Yes	31	31	0	0
GOGA0270	RODEO CREEK WHERE GERBODE CREEK ENTERS IT	Yes	91	91	0	0
GOGA0271	RODEO LAGOON C AB LAG MARIN PENINS	Yes	19	0	0	19
GOGA0272	RODEO CREEK DOWNSTREAM FROM THE HORSE STABLES	Yes	36	36	0	0
GOGA0273	RODEO CREEK DOWNSTREAM OF STABLES	Yes	49	49	0	0
GOGA0274	N SF BAY 600 YDS NW OF LIGHT R"2" NEAR TREAS.ISL	No	157	0	49	108
GOGA0275	SAN FRANCISCO BAY NEAR HARDING ROCK	No	2849	1392	1457	0
GOGA0276	GERBODE CREEK 1000 FT UPSTREAM FROM RODEO CREEK	Yes	110	110	0	0
GOGA0277	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0278	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0279	MID-SAN FRAN BAY BUOY HR	No	0	0	0	0
GOGA0280	RODEO CREEK BELOW SEEPAGE NEAR SEWAGE PUMP HOUSE	Yes	50	50	0	0
GOGA0281	RODEO CREEK ABOVE SEEPAGE NEAR SEWAGE PUMPHOUSE	Yes	50	50	0	0
GOGA0282	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0283	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0284	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0

Station Period of Record Tabulation
From 01/01/01 To 12/29/99

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75
GOGA0285	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0286	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0287	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	147	0	0	147
GOGA0288	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0289	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0290	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0291	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0292	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0293	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0294	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0295	NEAR YELLOW BLUFF ON MARIN PENIN	Yes	0	0	0	0
GOGA0296	SAN FRANCISCO BAY 2.5KM NORTH OF TREASURE ISL	No	2056	876	1180	0
GOGA0297	ELK VALLEY C AB LAG MARIN PENNINSULA	Yes	18	0	0	18
GOGA0298	N SF BAY 1300 YDS SW OF PT KNOX ON ANGEL ISL.	No	103	0	4	99
GOGA0299	TENNESSEE VALLEY CALIF	Yes	55	55	0	0
GOGA0300	TENNESSEE VALLEY CREEK NEAR TAMALPAIS VALLEY	Yes	214	214	0	0
GOGA0301	AT END OF ABANDOND BERKELEY PIER	No	0	0	0	0
GOGA0302	N SAN FRANCISCO	No	0	0	0	0
GOGA0303	END OF BERKELY PIER	No	0	0	0	0
GOGA0304	TENNESSEE VALLEY CREEK BELOW NPS STABLES	Yes	37	37	0	0
GOGA0305	SAN FRANCISCO BAY A PT BLUNT CA	No	2850	0	2850	0
GOGA0306	SAUSALITO 2275 YDS N YELLOW BLUF	No	0	0	0	0
GOGA0307	SAUSALITO 2275 YDS N YELLOW BLUF	No	0	0	0	0
GOGA0308	BUOY FIR 4 SEC #2	No	0	0	0	0
GOGA0309	RICHARDSON BAY NORTH OF LIGHT 2	No	111	0	8	103
GOGA0310	TENNESSEE VALLEY CREEK BELOW MIWOK STABLES	Yes	33	33	0	0
GOGA0311	SAN FRANCISCO BAY 1.5KM EAST OF ANGEL ISLAND	No	2542	1070	1472	0
GOGA0312	BIG LAGOON 1000 FEET EAST OF MUIR BEACH	Yes	40	40	0	0
GOGA0313	BIG LAGOON 500 FEET EAST OF MUIR BEACH	Yes	40	40	0	0
GOGA0314	THE POOL IN BIG LAGOON BEHIND MUIR BEACH	Yes	40	40	0	0
GOGA0315	REDWOOD C A MUIR BEACH	Yes	19	0	0	19
GOGA0316	BACKWATER CHANNEL ABOVE MUIR BEACH PARKING LOT	Yes	9	9	0	0
GOGA0317	REDWOOD CREEK 100 FEET UPSTREAM OF BIG LAGOON	Yes	40	40	0	0
GOGA0318	REDWOOD CREEK AT MUIR BEACH PARKING LOT	Yes	39	39	0	0
GOGA0319	REDWOOD CREEK AT MUIR BEACH PARKING LOT	Yes	58	58	0	0
GOGA0320	GREEN GULCH CREEK BELOW BANDUCCI'S LOWER PASTURE	Yes	24	24	0	0
GOGA0321	GREEN GULCH CALIF	Yes	52	52	0	0
GOGA0322	GREEN GULCH CREEK ABOVE BANDUCCI'S LOWER PASTURE	Yes	9	9	0	0
GOGA0323	REDWOOD CREEK AT MUIR BEACH	Yes	213	213	0	0
GOGA0324	GREEN GULCH AT MUIR BEACH	Yes	214	214	0	0
GOGA0325	N SAN FRANCISCO	No	0	0	0	0
GOGA0326	REDWOOD CREEK AT PACIFIC WAY BRIDGE	Yes	26	26	0	0
GOGA0327	REDWOOD CREEK AT PACIFIC WAY BRIDGE	Yes	51	51	0	0
GOGA0328	REDWOOD CREEK AT PACIFIC WAY BRIDGE	Yes	64	64	0	0
GOGA0329	REDWOOD CREEK @ HWY 1 CALIF	Yes	53	53	0	0
GOGA0330	RICHARDSON BAY BUOY 8	No	0	0	0	0
GOGA0331	DRAINAGE DITCH IN FRONT OF TINKER'S STABLES	Yes	9	9	0	0
GOGA0332	GOLDEN GATE DAIRY BELOW HIGHWAY 1 CULVERT	Yes	142	142	0	0
GOGA0333	TINKER STABLE CULVERT RUNOFF	Yes	10	10	0	0
GOGA0334	N SF BAY 1800 YDS EAST OF ANGEL ISLAND.	No	169	0	45	124
GOGA0335	REDWOOD CREEK 1 KM FROM OCEAN AT MUIR BEACH	No	10	10	0	0
GOGA0336	TINKER STABLE DIRECT RUNOFF	Yes	3	3	0	0
GOGA0337	GOLDEN GATE DAIRY BELOW HORSE PADDOCK	Yes	70	70	0	0
GOGA0338	REDWOOD CREEK DOWNSTREAM OF BANDUCCI'S FARM	No	26	26	0	0
GOGA0339	SAN FRANCISCO BAY 3.5KM WEST OF BERKELEY HBR	No	1289	530	759	0
GOGA0340	GOLDEN GATE DAIRY CONTROL SITE	Yes	58	58	0	0
GOGA0341	GOLDEN GATE DAIRY WALKWAY	Yes	2	2	0	0
GOGA0342	TENNESSEE VALLEY CREEK AT OAKWOOD CREEK	No	45	45	0	0
GOGA0343	BANDUCCI TRIB. 3/4 MILE NORTHWEST OF BIG LAGOON	Yes	69	69	0	0
GOGA0344	TOMALES BAY-TOMALES BAY	No	609	0	0	609
GOGA0345	BOLINAS LAGOON	No	261	0	0	261
GOGA0346	NICKS COVE-TOMALES BAY	No	288	0	0	288
GOGA0347	NEAR YELLOW BLUFF ON MARIN PENIN	No	0	0	0	0
GOGA0348	NEAR YELLOW BLUFF ON MARIN PENIN	No	0	0	0	0
GOGA0349	REDWOOD CREEK UPSTREAM OF BANDUCCI'S FARM	Yes	26	26	0	0
GOGA0350	BETWEEN PT. TIBURON AND BLUFF PT	No	0	0	0	0
GOGA0351	REDWOOD CREEK AT BANDUCCI BRIDGE	Yes	46	46	0	0
GOGA0352	MARIN CITY E OF STRAWBERRY PT	No	0	0	0	0
GOGA0353	MARIN CITY E OF STRAWBERRY PT	No	0	0	0	0
GOGA0354	BETWEEN PT. TIBURON AND BLUFF PT	No	0	0	0	0
GOGA0355	BETWEEN PT. TIBURON AND BLUFF PT	No	0	0	0	0

Station Period of Record Tabulation
From 01/01/01 To 12/29/99

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75
GOGA0356	BETWEEN PT. TIBURON AND BLUFF PT	No	0	0	0	0
GOGA0357	BETWEEN PT. TIBURON AND BLUFF PT	No	0	0	0	0
GOGA0358	BETWEEN PT. TIBURON AND BLUFF PT	No	0	0	0	0
GOGA0359	COYOTE C A MAPLE ST-TAMALPAIS VAL	No	20	0	0	20
GOGA0360	REDWOOD CREEK 500 FEET SOUTH OF KENT CANYON	Yes	10	10	0	0
GOGA0361	KENT CREEK AT THE REDWOOD CREEK CONFLUENCE	Yes	65	65	0	0
GOGA0362	SAN FRANCISCO BAY A TIBURON CA	No	427	0	427	0
GOGA0363	SOUTH END RICHARDSON BAY BR	No	0	0	0	0
GOGA0364	SOUTH END RICHARDSON BAY BR	No	0	0	0	0
GOGA0365	RICHARDSON BAY AT HWY 101	No	49	0	0	49
GOGA0366	SAN FRANCISCO BAY 1.5KM NORTH OF ANGEL ISLAND	No	2420	1081	1339	0
GOGA0367	CAMINO DEL CANYON AT REDWOOD CREEK CONFLUENCE	Yes	67	67	0	0
GOGA0368	REDWOOD CREEK AT MUIR WOODS ROAD MILE MARKER 2	Yes	39	39	0	0
GOGA0369	REDWOOD CREEK AT MUIR WOODS ROAD MILE MARKER 2.0	Yes	58	58	0	0
GOGA0370	REDWOOD CREEK @ MUIR WOODS CALIF	Yes	56	56	0	0
GOGA0371	REDWOOD CREEK AT MUIR WOODS BRIDGE	Yes	49	49	0	0
GOGA0372	REDWOOD CREEK AT MUIR WOODS (CONCRETE) BRIDGE	Yes	43	43	0	0
GOGA0373	REDWOOD CREEK BELOW MUIR WOODS	Yes	215	215	0	0
GOGA0374	N SF BAY- 1600 YDS NE OF BLUFF PT ON TIBURON PEN	No	184	0	49	135
GOGA0375	REDWOOD CREEK AT ENTRANCE TO MUIR WOODS N.M.	Yes	10	10	0	0
GOGA0376	REDWOOD CREEK AT DIPSEA BRIDGE	Yes	2	2	0	0
GOGA0377	1950 YDS N STRAWBERRY PT.	No	51	0	0	51
GOGA0378	600 FT OUT, OFF END OF PIER 29	No	0	0	0	0
GOGA0379	CAMINO DEL CANYON ABOVE SLIDE	Yes	57	57	0	0
GOGA0380	CENTRAL SAN FRANCISCO BAY: NORTH RICHARDSON BAY	No	474	172	302	0
GOGA0381	SAN FRANCISCO BAY- PARADISE BEACH COUNTY PARK	No	0	0	0	0
GOGA0382	REDWOOD CREEK DOWNSTREAM FROM CATHEDRAL GROVE	Yes	15	15	0	0
GOGA0383	FERN CREEK AT THE MOUTH IN MUIR WOODS N.M.	Yes	15	15	0	0
GOGA0384	CENTRAL SAN FRANCISCO BAY: EAST TIBURON PENIN.	No	547	175	372	0
GOGA0385	FERN CREEK 500 FEET UPSTREAM FROM REDWOOD CREEK	Yes	10	10	0	0
GOGA0386	REDWOOD CREEK 650 FT NORTH OF MUIR WOODS N.M.	Yes	10	10	0	0
GOGA0387	BUOY FI 4 SEC #2	No	0	0	0	0
GOGA0388	ARROYO CORTE MAD PRES BL OLD MILL	No	20	0	0	20
GOGA0389	BUCK CREEK AT MOUTH (REDWOOD CREEK CONFLUENCE)	Yes	15	15	0	0
GOGA0390	REDWOOD CREEK 300 FEET UPSTREAM OF BUCK CREEK	Yes	15	15	0	0
GOGA0391	BUOY FIR #6	No	0	0	0	0
GOGA0392	BUOY FIG 4 SEC	No	0	0	0	0
GOGA0393	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0394	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0395	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0396	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0397	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0398	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0399	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0400	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0401	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0402	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0403	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0404	HEADWATERS OF REDWOOD CREEK BY PAN TOLL STATION	Yes	15	15	0	0
GOGA0405	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0406	SF BAY NEAR BLK BUOY #9 RICHMOND	No	0	0	0	0
GOGA0407	REDWOOD CREEK HEADWATERS AT BOOTJACK CAMP	Yes	58	58	0	0
GOGA0408	REDWOOD CREEK HEADWATERS AT BOOTJACK CAMP	Yes	40	40	0	0
GOGA0409	HEADWATERS OF REDWOOD CR BY BOOTJACK RESTROOM	Yes	15	15	0	0
GOGA0410	5 FEET NORTH OF GOGA_ICB94S_5	Yes	15	15	0	0
GOGA0411	21-301 ALICE EASTWOOD CREEK DIVERSION	Yes	0	0	0	0
GOGA0412	HEADWATERS OF REDWOOD CREEK BY HIGHWAY MILE 4.2	No	14	14	0	0
GOGA0413	HEADWATERS OF REDWOOD CREEK BY HIGHWAY MILE 3.2	No	14	14	0	0
GOGA0414	SAN FRANCISCO BAY A PT RICHMOND CA	No	2020	0	2020	0
GOGA0415	SAN FRANCISCO BAY. POINT MOLATE BEACH	No	0	0	0	0
GOGA0416	21-301 BOOTJACK CREEK DIVERSION-RAW	No	0	0	0	0
GOGA0417	SAN FRANCISCO BAY. POINT MOLATE BEACH	No	0	0	0	0
GOGA0418	SAN FRANCISCO BAY NEAR RED ROCK	No	2122	904	1218	0
GOGA0419	N SF BAY ABOUT 1400 YDS SW OF RED ROCK	No	213	0	49	164
GOGA0420	CENTRAL S.F. BAY: PARADISE PARK PIER	No	203	107	96	0
GOGA0421	21-301 SUMMIT SPRING BOX-RAW	No	0	0	0	0
GOGA0422	21-002 LAGUNITAS LAKE DAM AT 10FT DEPTH	No	0	0	0	0
GOGA0423	CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 0	No	53	53	0	0
GOGA0424	CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 1	No	47	47	0	0
GOGA0425	CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 2	No	42	42	0	0
GOGA0426	21-002 BTTP-TREATED WATER-LAKE BON TEMPE	No	0	0	0	0

Station Period of Record Tabulation
From 01/01/01 To 12/29/99

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75
GOGA0427	CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 3	No	21	21	0	0
GOGA0428	CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 4	No	50	50	0	0
GOGA0429	CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 6	No	49	49	0	0
GOGA0430	CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 5	No	49	49	0	0
GOGA0431	CORTE MADERA C BL MARIN COLLEGE	No	20	0	0	20
GOGA0432	CORTE MADERA C A COLLEGE AV A KENFIELD CA	No	100	100	0	0
GOGA0433	21-002 PHOENIX LAKE DAM AT 10FT DEPTH	No	0	0	0	0
GOGA0434	21-002 BON TEMPE LAKE DAM AT 10FT DEPTH	No	0	0	0	0
GOGA0435[l]	CORTE MADERA C A ROSS CA	No	726	0	726	0

[l]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 01/01/01 To 12/29/99

Parameter Code	Name	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00004	STREAM WIDTH (FEET)	27	4	23	0	2	0
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	121	0	0	121	1	0
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9474	5413	3687	374	155	93
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	497	5	110	382	26	5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	112	112	0	0	30	28
00025	BAROMETRIC PRESSURE (MM OF HG)	24	24	0	0	12	12
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	657	82	176	399	65	18
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	98	65	33	0	25	9
00041	WEATHER (WMO CODE 4501)	1013	376	634	3	15	2
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	50	0	0	50	50	12
00060	FLOW, STREAM, MEAN DAILY CFS	101	0	0	101	3	0
00061	FLOW, STREAM, INSTANTANEOUS CFS	660	170	204	286	89	51
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	59	31	28	0	10	0
00065	STAGE, STREAM (FEET)	11	9	0	2	6	4
00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	927	376	551	0	12	2
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	1897	1897	0	0	8	0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	34	0	0	34	8	1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	353	0	132	221	21	3
00078	TRANSPARENCY, SECCHI DISC (METERS)	1103	402	462	239	23	3
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	1	1	0	0	1	0
00086	ODOR (THRESHOLD NUMBER AT 60 DEG C)	1	1	0	0	1	0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	1762	1307	140	315	87	61
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	7983	4094	3503	386	89	31
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10413	4755	4441	1217	254	148
00098	SAMPLING STATION LOCATION VERTICAL (METERS)	950	0	950	0	6	0
00148	HERBICIDES, TOTAL, WHOLE WATER, MG/L	2	2	0	0	1	1
00188	CHLORINATED PESTICIDES, TOTAL, AND PCBS, MG/L	2	2	0	0	1	1
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	1447	1447	0	0	72	69
00300	OXYGEN, DISSOLVED MG/L	3211	1772	1072	367	60	22
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	1162	221	941	0	54	45
00310	BOD, 5 DAY, 20 DEG C MG/L	35	18	0	17	7	7
00335	COD, .025N K2CR2O7 MG/L	14	0	1	13	2	1
00340	COD, .25N K2CR2O7 MG/L	20	18	0	2	8	6
00400	PH (STANDARD UNITS)	1580	222	979	379	71	31
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	1037	1037	0	0	8	0
00403	PH, LAB, STANDARD UNITS SU	297	35	75	187	54	22
00405	CARBON DIOXIDE (MG/L AS CO2)	3	0	3	0	3	0
00406	PH, FIELD, STANDARD UNITS SU	3135	3135	0	0	73	61
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1092	825	76	191	98	65
00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	12	12	0	0	6	6
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	3	3	0	0	1	0
00420	ALKALINITY, HYDROXIDE (MG/L AS CACO3)	1	0	1	0	1	1
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	2	0	2	0	1	1
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	26	24	2	0	7	7
00440	BICARBONATE ION (MG/L AS HCO3)	21	1	3	17	14	6
00445	CARBONATE ION (MG/L AS CO3)	21	1	3	17	14	6
00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	9	9	0	0	3	2
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	39	39	0	0	7	6
00480	SALINITY - PARTS PER THOUSAND	2893	1944	949	0	27	13
00500	RESIDUE, TOTAL (MG/L)	15	0	0	15	12	4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	237	0	72	165	19	3
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	343	199	49	95	48	40
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	14	0	1	13	14	5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12	0	0	12	12	4
00545	RESIDUE, SETTLEABLE (ML/L)	246	0	80	166	21	4
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	8	0	0	8	1	1
00552	OIL & GREASE (HEXANE EXTRACTION) TOTAL,REC.,MG/L	1	0	0	1	1	1
00600	NITROGEN, TOTAL (MG/L AS N)	1	0	1	0	1	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	438	336	102	0	21	2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	346	183	49	114	54	47
00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	4	4	0	0	4	4
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	154	15	104	35	14	3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	2	2	0	0	2	2
00616	NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	4	4	0	0	4	4
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	341	5	138	198	44	15
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	15	0	0	15	12	4
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	610	608	0	2	46	42
00621	NITRATE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	4	4	0	0	4	4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	21	18	1	2	9	6
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	162	0	49	113	8	3
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	37	36	1	0	10	8

Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Parameter Code	Name	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	187	53	106	28	30	15
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	162	0	49	113	8	3
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	25	23	0	2	10	8
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	706	600	102	4	49	39
00665	PHOSPHORUS, TOTAL (MG/L AS P)	476	236	55	185	46	23
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	5	0	0	5	5	2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	204	41	50	113	25	19
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	112	0	29	83	7	3
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	384	384	0	0	10	10
00745	SULFIDE, TOTAL (MG/L AS S)	11	0	0	11	1	1
00746	SULFIDE, DISSOLVED (MG/L AS S)	39	28	0	11	2	1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1007	708	78	221	84	44
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	10	0	0	10	8	1
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	41	24	3	14	27	15
00915	CALCIUM, DISSOLVED (MG/L AS CA)	363	78	76	209	80	43
00916	CALCIUM, TOTAL (MG/L AS CA)	149	147	2	0	4	3
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	361	78	76	207	79	43
00927	MAGNESIUM, TOTAL (MG/L AS MG)	149	147	2	0	4	3
00929	SODIUM, TOTAL (MG/L AS NA)	149	147	2	0	4	3
00930	SODIUM, DISSOLVED (MG/L AS NA)	194	78	8	108	76	41
00931	SODIUM ADSORPTION RATIO	27	24	3	0	15	12
00932	SODIUM, PERCENT	27	24	3	0	15	12
00935	POTASSIUM, DISSOLVED (MG/L AS K)	194	78	8	108	79	43
00937	POTASSIUM, TOTAL MG/L AS K)	149	147	2	0	4	3
00940	CHLORIDE,TOTAL IN WATER MG/L	816	796	5	15	78	59
00941	CHLORIDE, DISSOLVED IN WATER MG/L	466	18	121	327	42	11
00945	SULFATE, TOTAL (MG/L AS SO4)	645	640	5	0	67	56
00946	SULFATE, DISSOLVED (MG/L AS SO4)	279	0	73	206	38	10
00950	FLUORIDE, DISSOLVED (MG/L AS F)	154	52	8	94	62	26
00951	FLUORIDE, TOTAL (MG/L AS F)	450	448	2	0	13	12
00955	SILICA, DISSOLVED (MG/L AS SI02)	195	52	105	38	53	24
01000	ARSENIC, DISSOLVED (UG/L AS AS)	35	26	0	9	22	18
01002	ARSENIC, TOTAL (UG/L AS AS)	218	218	0	0	20	20
01005	BARIUM, DISSOLVED (UG/L AS BA)	26	26	0	0	17	17
01007	BARIUM, TOTAL (UG/L AS BA)	164	164	0	0	2	2
01012	BERYLLIUM, TOTAL (UG/L AS BE)	18	18	0	0	6	6
01020	BORON, DISSOLVED (UG/L AS B)	157	64	7	86	76	43
01025	CADMIUM, DISSOLVED (UG/L AS CD)	26	26	0	0	17	17
01027	CADMIUM, TOTAL (UG/L AS CD)	223	222	0	1	23	22
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	4	4	0	0	2	2
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	4	4	0	0	2	2
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	26	26	0	0	17	17
01034	CHROMIUM, TOTAL (UG/L AS CR)	223	222	0	1	23	22
01035	COBALT, DISSOLVED (UG/L AS CO)	26	26	0	0	17	17
01040	COPPER, DISSOLVED (UG/L AS CU)	35	26	0	9	22	18
01042	COPPER, TOTAL (UG/L AS CU)	223	222	0	1	23	22
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	4	4	0	0	2	2
01045	IRON, TOTAL (UG/L AS FE)	242	164	4	74	22	5
01046	IRON, DISSOLVED (UG/L AS FE)	80	64	3	13	44	35
01049	LEAD, DISSOLVED (UG/L AS PB)	35	26	0	9	22	18
01051	LEAD, TOTAL (UG/L AS PB)	223	222	0	1	23	22
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	4	4	0	0	2	2
01055	MANGANESE, TOTAL (UG/L AS MN)	333	261	5	67	25	9
01056	MANGANESE, DISSOLVED (UG/L AS MN)	36	27	0	9	23	18
01059	THALLIUM, TOTAL (UG/L AS TL)	18	18	0	0	6	6
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	26	26	0	0	17	17
01065	NICKEL, DISSOLVED (UG/L AS NI)	26	26	0	0	17	17
01067	NICKEL, TOTAL (UG/L AS NI)	54	54	0	0	10	10
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	4	4	0	0	2	2
01075	SILVER, DISSOLVED (UG/L AS AG)	26	26	0	0	17	17
01077	SILVER, TOTAL (UG/L AS AG)	182	182	0	0	8	8
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	26	26	0	0	17	17
01085	VANADIUM, DISSOLVED (UG/L AS V)	26	26	0	0	17	17
01090	ZINC, DISSOLVED (UG/L AS ZN)	35	26	0	9	22	18
01092	ZINC, TOTAL (UG/L AS ZN)	223	222	0	1	23	22
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	4	4	0	0	2	2
01097	ANTIMONY, TOTAL (UG/L AS SB)	18	18	0	0	6	6
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	29	26	0	3	19	18
01130	LITHIUM, DISSOLVED (UG/L AS LI)	4	0	0	4	4	2
01140	SILICON, DISSOLVED (UG/L AS SI)	26	26	0	0	17	17
01145	SELENIUM, DISSOLVED (UG/L AS SE)	26	26	0	0	17	17

Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Parameter Code	Name	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01147	SELENIUM, TOTAL (UG/L AS SE)	200	200	0	0	20	20
01150	TITANIUM, DISSOLVED (UG/L AS TI)	26	26	0	0	17	17
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	9	0	0	9	5	1
01288	FOAMING AGENTS MG/L	162	162	0	0	2	2
03582	OIL AND GREASE, WATER, TOTAL MG/L	337	337	0	0	14	6
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	3	3	0	0	3	1
07012	TRITIUM IN WATERMOLECULES (TRITIUM UNITS)	2	2	0	0	2	1
11006	INVALID PARAMETER	6	0	0	6	3	0
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	27416	27416	0	0	56	49
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	72	33	0	39	9	5
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	54	54	0	0	32	31
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	69	69	0	0	8	8
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	53	53	0	0	32	31
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	64	35	0	29	7	3
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	14244	14244	0	0	51	43
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	36	36	0	0	6	6
31640	FECAL COLIFORM,MPN,IN SHELLFISH,EC MED,44.5C	6	0	0	6	2	0
31648	E. COLI - MTEC-MF N0/100ML	55	55	0	0	8	8
31649	ENTEROCOCCI- ME-MF N0/100ML	14102	14102	0	0	45	38
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	32	32	0	0	6	6
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	15	0	0	15	12	4
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	96	95	1	0	3	2
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	97	96	1	0	3	2
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	98	97	1	0	3	2
32104	BROMOFORM,WHOLE WATER,UG/L	96	95	1	0	3	2
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	96	96	0	0	2	2
32106	CHLOROFORM,WHOLE WATER,UG/L	98	97	1	0	3	2
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	260	260	0	0	13	6
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12	0	0	12	1	1
34301	CHLOROBENZENE TOTWUG/L	95	95	0	0	2	2
34306	CHLORODIBROMOMETHANE TOTWUG/L	1	0	1	0	1	0
34311	CHLOROETHANE TOTWUG/L	91	91	0	0	2	2
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	2	2	0	0	1	1
34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	2	2	0	0	1	1
34371	ETHYLBENZENE TOTWUG/L	96	96	0	0	2	2
34391	HEXACHLOROBUTADIENE TOTWUG/L	87	87	0	0	2	2
34396	HEXACHLOROETHANE TOTWUG/L	95	95	0	0	2	2
34413	METHYL BROMIDE TOTWUG/L	91	91	0	0	2	2
34418	METHYL CHLORIDE TOTWUG/L	92	92	0	0	3	3
34423	METHYLENE CHLORIDE TOTWUG/L	84	84	0	0	2	2
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	91	91	0	0	2	2
34496	1,1-DICHLOROETHANE TOTWUG/L	94	94	0	0	2	2
34501	1,1-DICHLOROETHYLENE TOTWUG/L	95	95	0	0	2	2
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	97	97	0	0	2	2
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	95	95	0	0	2	2
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	93	93	0	0	2	2
34536	1,2-DICHLOROBENZENE TOTWUG/L	94	94	0	0	2	2
34541	1,2-DICHLOROPROPANE TOTWUG/L	95	95	0	0	2	2
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	95	95	0	0	2	2
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	95	95	0	0	2	2
34566	1,3-DICHLOROBENZENE TOTWUG/L	95	95	0	0	2	2
34571	1,4-DICHLOROBENZENE TOTWUG/L	95	95	0	0	2	2
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	93	93	0	0	2	2
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	2	2	0	0	1	1
34668	DICHLORODIFUOROMETHANE TOTWUG/L	92	92	0	0	2	2
34696	NAPHTHALENE TOTWUG/L	90	90	0	0	2	2
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	95	95	0	0	2	2
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	97	97	0	0	2	2
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	7	3	1	3	7	3
38435	DALAPON SEDDRYWGTUG/KG	2	2	0	0	1	1
38444	DICAMBA (BANVEL) SEDDRYWGTUG/KG	2	2	0	0	1	1
38484	MCPA SEDDRYWGTUG/KG	2	2	0	0	1	1
38494	MCPP SEDDRYWGTUG/KG	2	2	0	0	1	1
38680	CHLOROTOLUENE,2-, TOTAL, WATER UG/L	95	95	0	0	2	2
38748	2,4-DB SEDDRYWGTUG/KG	2	2	0	0	1	1
38760	DBCP WATER, TOTUG/L	95	95	0	0	2	2
38781	DINOSEB SEDDRYWGTUG/KG	2	2	0	0	1	1
39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	6	6	0	0	6	6
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	17	0	0	17	12	3
39040	S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE WTR-FPD UG/L	36	0	16	20	3	1
39054	SIMETRYNE IN WHOLE WATER (UG/L)	6	6	0	0	6	6

Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Parameter Code	Name	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39055	SIMAZINE IN WHOLE WATER (UG/L)	6	6	0	0	6	6
39056	PROMETONE IN WHOLE WATER (UG/L)	6	6	0	0	6	6
39057	PROMETRYNE IN WHOLE WATER (UG/L)	6	6	0	0	6	6
39153	ATRAZINE &/OR SIMAZINE IN WHOLE WATER SAMPL UG/L	2	0	2	0	1	0
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	91	91	0	0	2	2
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	95	95	0	0	2	2
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	6	6	0	0	6	6
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	8	8	0	0	7	7
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	9	0	0	9	3	1
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	2	2	0	0	1	1
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	1	0	0	1	1	0
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	6	6	0	0	6	6
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	2	0	0	2	2	0
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	6	6	0	0	6	6
39364	DDD IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	2	0	0	2	2	0
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	6	6	0	0	6	6
39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	2	0	0	2	2	0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	3	0	0	3	3	1
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	6	6	0	0	6	6
39374	DDT IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	2	0	0	2	2	0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	8	8	0	0	7	7
39387	DIELDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WGT)	1	0	0	1	1	0
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	8	8	0	0	7	7
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	8	8	0	0	7	7
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	6	6	0	0	6	6
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	8	8	0	0	7	7
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	2	0	0	2	2	1
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	8	8	0	0	7	7
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	8	8	0	0	7	7
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	8	8	0	0	7	7
39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	2	2	0	0	1	1
39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	2	2	0	0	1	1
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	2	2	0	0	1	1
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	2	0	0	1	1
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	2	0	0	1	1
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	2	0	0	1	1
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	2	2	0	0	1	1
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	6	6	0	0	6	6
39520	PCBS IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	2	0	0	2	2	0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	6	6	0	0	6	6
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	6	6	0	0	6	6
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	6	6	0	0	6	6
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	6	6	0	0	6	6
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	6	6	0	0	6	6
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	2	0	0	1	1
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	6	6	0	0	6	6
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39770	DACTHAL (DCPA) IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	6	6	0	0	6	6
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	6	6	0	0	6	6
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	6	6	0	0	6	6
46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	1077	1077	0	0	9	9
47501	WEATHER AT TIME OF SAMPLING	59	59	0	0	22	20
49010	UNKNOWNC AS DDT IN WHOLE WATER SAMPLE (UG/L)	20	0	7	13	3	1
49179	TOTAL AMMONIUM, TOTAL, WATER UG/L	2	2	0	0	2	2
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	321	321	0	0	8	0
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	8	0	0	8	1	1
50051	FLOW, RATE, INSTANTANEOUS MGD	11	0	0	11	1	1
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	20	0	0	20	3	1
50084	BOD, PLANT EFFLUENT, 5 DAY, 20 DEG C MG/L	9	0	0	9	2	1
50786	ORTHOPHOSPHATE AS P, WATER MG/L	237	237	0	0	7	0
50967	ENDOSULFAN II, DRY WEIGHT, SEDIMENT UG/KG	2	2	0	0	1	1
61057	PERCHLOROETHYLENE,TOT,WATER UG/L	97	97	0	0	2	2
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	97	97	0	0	2	2

Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Parameter Code	Name	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
61290	BENZENE, TOTAL WATER UG/L	97	97	0	0	2	2
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	15	0	0	15	12	4
70222	WAVE HEIGHT (WMO CODE 1555)	1010	376	634	0	12	2
70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	1	0	0	1	1	0
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	23	0	4	19	12	4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	213	206	0	7	24	15
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	40	24	3	13	21	16
70302	SOLIDS, DISSOLVED-TONS PER DAY	3	0	3	0	3	0
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	27	24	3	0	9	6
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	724	724	0	0	9	9
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	115	11	72	32	10	5
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	71	3	38	30	5	0
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	60	3	34	23	5	0
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	45	2	29	14	4	0
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	13	2	10	1	3	0
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	119	0	24	95	4	0
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	127	0	28	99	4	0
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	123	0	28	95	4	0
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	127	0	28	99	4	0
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	122	0	28	94	4	0
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	106	0	8	98	4	0
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	106	0	8	98	4	0
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	106	0	8	98	4	0
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	81	0	7	74	4	0
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	18	0	1	17	2	0
70347	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 2.00MM	3	0	0	3	2	0
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11	11	0	0	7	7
70511	PHOSPHORUS,ORTHO,IN BOTTOM DEPOS.(MG/KG-P DRY WT)	4	4	0	0	4	4
70971	LIGHT, ATTENUATION COEFFICIENT (ALPHA/M)	844	0	844	0	3	0
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	1686	1686	0	0	8	0
71830	HYDROXIDE ION (MG/L AS OH)	1	1	0	0	1	0
71840	OXYGEN CONSUMED, UNFILTERED MG/L	10	0	0	10	8	1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	101	0	101	0	6	0
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	177	163	2	12	13	4
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	235	0	134	101	38	5
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	85	0	85	0	6	0
71870	BROMIDE (MG/L AS BR)	330	330	0	0	16	11
71875	HYDROGEN SULFIDE (MG/L)	5	5	0	0	1	1
71887	NITROGEN, TOTAL, AS NO3 - MG/L	1	0	1	0	1	0
71890	MERCURY, DISSOLVED (UG/L AS HG)	20	20	0	0	15	15
71900	MERCURY, TOTAL (UG/L AS HG)	222	221	0	1	22	21
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	4	4	0	0	2	2
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	2	0	0	2	2	0
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	2	0	0	2	2	0
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	2	0	0	2	2	0
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	2	0	0	2	2	0
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	2	0	0	2	2	0
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	2	0	0	2	2	0
73570	2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER TOTWUG/L	95	95	0	0	2	2
74010	IRON, TOTAL (MG/L AS FE)	99	99	0	0	4	4
75041	BHC,ALPHA- SEDIMENT,DRY,WT,UG/KG	2	2	0	0	1	1
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	97	97	0	0	2	2
77128	STYRENE WHOLE WATER,UG/L	95	95	0	0	2	2
77135	O-XYLENE WHOLE WATER,UG/L	97	97	0	0	2	2
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	97	97	0	0	2	2
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	95	95	0	0	2	2
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	95	95	0	0	2	2
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	96	96	0	0	2	2
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	97	97	0	0	2	2
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	97	97	0	0	2	2
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	95	95	0	0	2	2
77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	94	94	0	0	2	2
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	95	95	0	0	2	2
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	94	94	0	0	2	2
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	95	95	0	0	2	2
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	96	96	0	0	2	2
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	97	97	0	0	2	2
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	95	95	0	0	2	2
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	96	96	0	0	2	2
77596	METHYLENE BROMIDE WHOLE WATER,UG/L	95	95	0	0	2	2
77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	95	95	0	0	2	2

Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Parameter Code	Name	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	95	95	0	0	2	2
77923	1-CHLOROBUTANE IN WATER UG/L	96	96	0	0	2	2
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	97	97	0	0	2	2
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	236	14	91	131	13	5
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	189	10	48	131	9	5
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	29	16	13	0	9	0
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	36	21	15	0	9	0
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	42	27	15	0	9	0
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	42	27	15	0	9	0
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	42	27	15	0	9	0
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	42	27	15	0	9	0
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	39	24	15	0	9	0
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	29	14	15	0	7	0
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	26	12	14	0	6	0
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	23	9	14	0	6	0
80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	12	1	11	0	2	0
80225	BEDLOAD SEDIMENT DISCHARGE (TONS/DAY)	27	4	23	0	2	0
80226	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .062MM	5	3	2	0	2	0
80227	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .125MM	12	4	8	0	2	0
80228	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .250MM	17	4	13	0	2	0
80229	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .500MM	17	4	13	0	2	0
80230	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 1.00MM	17	4	13	0	2	0
80231	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 2.00MM	17	4	13	0	2	0
80232	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 4.00MM	16	3	13	0	2	0
80233	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 8.00MM	16	3	13	0	2	0
80234	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 16.0MM	14	1	13	0	2	0
80235	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 32.0MM	12	0	12	0	1	0
80236	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 64.0MM	7	0	7	0	1	0
81280	NONPURGEABLE ORGANIC CARBON MG/L	1	0	1	0	1	0
81380	VELOCITY OF DISCHARGE, METERS/SECOND	10	10	0	0	5	4
81555	BROMOBENZENE WHL WATER SMPL UG/L	95	95	0	0	2	2
81597	METHYL METHACRYLATE WHL WATER SMPL UG/L	95	95	0	0	2	2
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	215	0	0	215	4	0
81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	125	0	0	125	4	0
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	125	0	0	125	4	0
81637	SHELLFISH SPECIES NUMERIC CODE	215	0	0	215	4	0
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	125	0	0	125	4	0
81716	DIELDRIN IN SHELLFISH TISSUE DRY WEIGHT UG/KG	36	0	0	36	2	0
81717	ENDRIN IN SHELLFISH TISSUE DRY WEIGHT UG/KG	1	0	0	1	1	0
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	6	6	0	0	6	6
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	6	6	0	0	6	6
81900	SEDIMENT CORE SAMPLE,UPPER DEPTH,REPORT IN INCHES	4	4	0	0	2	2
81901	SEDIMENT CORE SAMPLE, LOWER DEPTH,REPORT IN INCHES	4	4	0	0	2	2
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	25	0	25	0	5	0
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	1094	1094	0	0	58	55
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	1	1	0	0	1	0
82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	10	10	0	0	7	2
82084	NITROGEN-15/NITROGEN-14 STABLE ISOTOPE RATIO/MIL	1	1	0	0	1	0
82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	10	10	0	0	7	2
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	6	6	0	0	6	6
82398	SAMPLING METHOD (CODES)	16	16	0	0	11	8
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	14	5	6	3	13	6
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	15	6	6	3	14	6
84007	ANATOMY ALPHA CODE	215	0	0	215	4	0
84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	215	0	0	215	4	0
84009	SHELLFISH SPECIES ALPHANUMERIC CODE	215	0	0	215	4	0
84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	214	214	0	0	8	0
84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	15	0	0	15	12	4
85504	ALPHA COUNT IN MEDIA OTHER THAN WATER (PC/L)	7	0	0	7	1	0
85505	ALPHA COUNTING ERROR IN MEDIA OTHER THAN WATER	7	0	0	7	1	0
85506	BETA COUNT IN MEDIA OTHER THAN WATER (PC/L)	7	0	0	7	1	0
85507	BETA COUNTING ERROR IN MEDIA OTHER THAN WATER	7	0	0	7	1	0
85508	BARIUM-LANTHANUM IN PASTEURIZED MILK (PC/L)	121	0	0	121	1	0
85509	BARIUM-LANTHANUM, COUNTING ERROR IN MILK (PC/L)	121	0	0	121	1	0
85514	CESIUM-137 IN PASTEURIZED MILK (PC/L)	121	0	0	121	1	0
85515	CESIUM-137, COUNTING ERROR IN MILK (PC/L)	121	0	0	121	1	0
85516	IODINE-131 IN PASTEURIZED MILK (PC/L)	121	0	0	121	1	0
85517	IODINE-131, COUNTING ERROR IN MILK (PC/L)	121	0	0	121	1	0
85520	POTASSIUM-40 IN PASTEURIZED MILK (GM/L)	121	0	0	121	1	0
85521	POTASSIUM-40, COUNTING ERROR IN MILK (GM/L)	121	0	0	121	1	0
85526	STRONTIUM-89 IN PASTUERIZED MILK (PC/L)	31	0	0	31	1	0

Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Parameter Code	Name	Total Obs	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
85527	STRONTIUM-89, COUNTING ERROR IN MILK (PC/L)	31	0	0	31	1	0
85528	STRONTIUM-90 IN PASTUERIZED MILK (PC/L)	31	0	0	31	1	0
85529	STRONTIUM-90, COUNTING ERROR IN MILK (PC/L)	31	0	0	31	1	0
85538	GAMMA SCAN DATE (YR,MO,DAY)	31	0	0	31	1	0
85539	DATE OF REPORT (YR,MO,DAY)	121	0	0	121	1	0
85791	ENDRIN KETONE, SEDIMENT, DRY WT,(SF) UG/KG	2	2	0	0	1	1

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0432	No	00004	STREAM WIDTH (FEET)	12/04/87-03/02/89	1	4	
GOGA0435	No	00004	STREAM WIDTH (FEET)	11/21/77-09/15/80	2	23	
GOGA0132	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/02/69-01/10/74	5	121	
GOGA0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/77-08/29/77	0	1	
GOGA0003	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/29/70-03/26/71	0	4	
GOGA0005	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/15/74-04/07/75	1	12	
GOGA0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/90-06/13/90	0	1	
GOGA0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/15/74-04/07/75	1	15	
GOGA0012	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/74-01/07/75	0	12	
GOGA0014	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-01/23/98	0	1	
GOGA0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/74-04/04/75	1	15	
GOGA0017	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-01/23/98	0	1	
GOGA0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/74-01/07/75	0	12	
GOGA0020	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-10/27/98	0	99	
GOGA0022	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/74-01/07/75	0	11	
GOGA0023	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-01/23/98	0	1	
GOGA0031	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-01/23/98	0	1	
GOGA0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/74-04/04/75	1	17	
GOGA0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/72-08/08/72	0	3	
GOGA0040	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/74-04/03/75	1	15	
GOGA0043	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/96-11/04/98	2	377	
GOGA0044	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/74-04/02/75	1	10	
GOGA0047	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/74-04/02/75	1	18	
GOGA0051	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/96-11/05/98	2	115	
GOGA0056	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/70-08/13/70	0	1	
GOGA0057	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/74-04/02/75	1	17	
GOGA0058	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/74-04/02/75	1	17	
GOGA0059	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/74-04/02/75	1	17	
GOGA0067	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/74-04/01/75	1	20	
GOGA0070	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/74-04/01/75	1	19	
GOGA0077	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/96-11/04/98	2	486	
GOGA0080	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/73-05/05/75	1	23	
GOGA0082	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/73-05/05/75	1	24	
GOGA0085	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/73-05/05/75	1	25	
GOGA0087	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/73-05/05/75	1	23	
GOGA0089	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-02/24/69	3	26	
GOGA0090	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	16	144	
GOGA0092	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	6	355	
GOGA0095	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/10/89-12/05/89	0	90	
GOGA0096	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/10/89-12/05/89	0	158	
GOGA0101	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	7	290	
GOGA0104	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/08/88-05/16/89	0	2	
GOGA0106	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/87-05/02/88	0	3	
GOGA0110	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/07/88-05/16/89	0	2	
GOGA0112	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	7	264	
GOGA0117	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/17/89-05/17/89	0	1	
GOGA0124	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	7	265	
GOGA0128	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	7	281	
GOGA0134	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/06/88-01/08/91	2	4	
GOGA0138	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/95-11/10/95	0	10	
GOGA0140	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/08/88-05/15/89	0	2	
GOGA0143	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/95-11/10/95	0	10	
GOGA0146	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/06/88-01/08/91	2	4	
GOGA0147	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-11/21/96	0	2	
GOGA0153	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/95-11/10/95	0	10	
GOGA0157	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/11/93-09/18/94	0	25	
GOGA0158	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/11/93-09/18/94	0	12	
GOGA0163	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	7	606	
GOGA0165	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/95-11/10/95	0	10	
GOGA0180	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/11/85-06/04/86	0	13	
GOGA0185	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	0	4	
GOGA0187	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/77-12/21/78	1	352	
GOGA0189	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/05/89	0	145	
GOGA0195	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	6	60	
GOGA0214	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/82-12/24/87	5	67	
GOGA0221	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	6	74	
GOGA0229	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/77-11/08/78	0	6	
GOGA0230	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/77-11/08/78	0	28	
GOGA0241	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	6	64	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0246	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/86-01/29/86	0	1	
GOGA0247	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/96-08/28/96	0	4	
GOGA0249	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/93-08/05/93	0	3	
GOGA0251	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/86-06/08/88	1	5	
GOGA0252	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-03/02/97	0	4	
GOGA0253	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	0	10	
GOGA0255	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/96-08/28/96	0	4	
GOGA0256	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	0	10	
GOGA0257	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-08/05/93	0	4	
GOGA0259	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	0	10	
GOGA0260	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	0	10	
GOGA0261	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/96-08/14/96	0	2	
GOGA0262	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/93-08/05/93	0	3	
GOGA0263	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-03/02/97	0	4	
GOGA0264	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-08/12/93	0	8	
GOGA0265	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/86-01/29/86	0	1	
GOGA0269	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/93-08/12/93	0	3	
GOGA0270	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-07/22/93	0	5	
GOGA0272	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/93-08/12/93	0	3	
GOGA0273	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-03/02/97	0	4	
GOGA0275	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	7	801	
GOGA0276	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/93-08/12/93	0	7	
GOGA0280	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/93-08/12/93	0	4	
GOGA0281	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/93-08/12/93	0	4	
GOGA0287	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/72-12/10/72	0	11	
GOGA0296	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	7	532	
GOGA0299	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/86-06/02/88	1	5	
GOGA0304	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/19/96-03/02/97	0	3	
GOGA0305	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/78-12/20/78	0	314	
GOGA0310	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/19/96-03/02/97	0	3	
GOGA0311	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	7	694	
GOGA0312	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	0	10	
GOGA0313	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	0	10	
GOGA0314	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	0	10	
GOGA0317	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	0	10	
GOGA0318	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/94-04/25/94	0	2	
GOGA0321	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/86-06/02/88	1	5	
GOGA0327	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-03/02/97	0	4	
GOGA0328	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-01/12/98	0	4	
GOGA0329	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/86-01/31/86	0	1	
GOGA0332	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-03/31/98	0	9	
GOGA0335	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/88-04/10/88	0	2	
GOGA0337	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/19/97-03/31/98	0	10	
GOGA0339	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	7	276	
GOGA0340	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/19/97-03/31/98	0	9	
GOGA0342	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-03/02/97	0	4	
GOGA0343	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/97-03/31/98	0	7	
GOGA0351	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/96-03/02/97	0	4	
GOGA0360	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/88-04/10/88	0	2	
GOGA0361	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-03/31/98	0	9	
GOGA0362	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/77-11/09/78	0	29	
GOGA0366	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	7	655	
GOGA0367	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-03/31/98	0	9	
GOGA0368	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/94-04/25/94	0	2	
GOGA0370	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/86-01/31/86	0	1	
GOGA0371	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/96-03/02/97	0	4	
GOGA0372	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-11/26/97	0	1	
GOGA0373	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/86-06/07/88	1	5	
GOGA0375	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/88-04/10/88	0	2	
GOGA0379	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-03/31/98	0	9	
GOGA0380	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	6	68	
GOGA0382	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0384	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	6	77	
GOGA0385	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/88-04/10/88	0	2	
GOGA0386	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/88-04/10/88	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0389	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/94-04/25/94	0	2	
GOGA0408	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/08/95-03/08/95	0	1	
GOGA0409	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0412	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0413	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0414	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/77-12/20/78	1	219	
GOGA0418	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	7	556	
GOGA0420	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/28/82-12/23/87	5	67	
GOGA0432	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/87-03/02/89	1	8	
GOGA0435	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/77-09/15/80	2	54	
GOGA0027	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/27/54-03/12/54	0	2	
GOGA0036	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	03/12/54-03/12/54	0	1	
GOGA0039	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/09/63-04/20/64	0	3	
GOGA0040	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/28/53-06/09/53	0	2	
GOGA0067	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/27/53-06/09/53	0	2	
GOGA0072	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/27/53-01/27/53	0	1	
GOGA0079	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/27/53-06/09/53	0	2	
GOGA0081	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/27/53-06/09/53	0	2	
GOGA0180	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/19/85-07/03/85	0	5	
GOGA0191	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/15/69-05/11/71	1	17	
GOGA0209	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/07/64-08/12/69	4	33	
GOGA0231	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-01/09/78	9	29	
GOGA0234	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	12	118	T,A,S
GOGA0242	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/11/68-02/07/79	10	44	T
GOGA0271	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/06/54-01/06/54	0	1	
GOGA0274	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-02/07/79	10	38	
GOGA0297	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/06/54-01/06/54	0	1	
GOGA0298	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/13/77	9	26	
GOGA0309	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-03/07/78	9	28	
GOGA0315	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/06/54-01/06/54	0	1	
GOGA0334	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-02/07/79	10	41	T
GOGA0359	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	03/10/54-03/10/54	0	1	
GOGA0374	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-02/08/79	10	45	T
GOGA0388	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	03/10/54-03/10/54	0	1	
GOGA0419	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/67-02/08/79	11	52	T,S
GOGA0431	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	03/10/54-03/10/54	0	1	
GOGA0138	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/95-11/10/95	0	10	
GOGA0143	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/95-11/10/95	0	10	
GOGA0153	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/95-11/10/95	0	10	
GOGA0165	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/95-11/10/95	0	10	
GOGA0249	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/08/93-08/05/93	0	3	
GOGA0257	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/24/93-08/05/93	0	4	
GOGA0262	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/08/93-08/05/93	0	3	
GOGA0264	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/24/93-08/12/93	0	8	
GOGA0269	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/93-08/12/93	0	3	
GOGA0270	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/24/93-07/22/93	0	5	
GOGA0272	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/93-08/12/93	0	3	
GOGA0276	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/02/93-08/12/93	0	7	
GOGA0280	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/93-08/12/93	0	4	
GOGA0281	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/93-08/12/93	0	4	
GOGA0318	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/07/94-04/25/94	0	2	
GOGA0368	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/07/94-04/25/94	0	2	
GOGA0382	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0389	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/07/94-04/25/94	0	2	
GOGA0408	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/08/95-03/08/95	0	1	
GOGA0409	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0412	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0413	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	0	1	
GOGA0246	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/24/86-07/16/87	1	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0265	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/24/86-06/16/87	0	3	
GOGA0266	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/25/86-06/12/87	0	3	
GOGA0321	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/26/86-06/12/87	0	3	
GOGA0324	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/25/86-06/12/87	0	3	
GOGA0329	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/26/86-06/10/87	0	3	
GOGA0005	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/15/74-04/07/75	1	14	
GOGA0007	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/13/90-06/13/90	0	1	
GOGA0011	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/15/74-04/07/75	1	16	
GOGA0012	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/26/74-01/07/75	0	12	
GOGA0013	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/07/69-03/07/69	0	1	
GOGA0016	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/26/74-04/04/75	1	15	
GOGA0019	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/26/74-01/07/75	0	12	
GOGA0022	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/26/74-01/07/75	0	11	
GOGA0027	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/27/54-03/12/54	0	2	
GOGA0032	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/26/74-04/04/75	1	18	
GOGA0036	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/12/54-03/12/54	0	1	
GOGA0039	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/09/63-04/24/64	0	10	
GOGA0040	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/28/53-04/03/75	22	18	
GOGA0044	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/14/74-04/02/75	1	13	
GOGA0047	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/14/74-04/02/75	1	18	
GOGA0057	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/14/74-04/02/75	1	18	
GOGA0058	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/14/74-04/02/75	1	17	
GOGA0059	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/13/74-04/02/75	1	17	
GOGA0060	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/05/83-05/05/83	0	1	
GOGA0067	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/27/53-04/01/75	22	21	
GOGA0072	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/27/53-04/01/75	22	21	
GOGA0079	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/27/53-06/09/53	0	2	
GOGA0080	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/22/73-05/05/75	1	24	
GOGA0081	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/17/73-05/05/75	1	24	
GOGA0085	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/22/73-05/05/75	1	26	
GOGA0087	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/17/73-05/05/75	1	23	
GOGA0090	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/13/81-03/01/82	0	32	
GOGA0104	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/08/88-05/16/89	0	2	
GOGA0106	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/17/87-08/31/89	1	4	
GOGA0110	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/19/88-08/31/89	1	4	
GOGA0116	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/15/69-09/15/69	0	1	
GOGA0117	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/08/88-05/17/89	0	2	
GOGA0134	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/06/88-01/08/91	2	4	
GOGA0140	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/08/88-08/31/89	0	3	
GOGA0146	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/06/88-01/08/91	2	4	
GOGA0180	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	04/19/85-06/04/86	1	18	
GOGA0185	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/19/75-06/19/75	0	4	
GOGA0188	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/20/59-08/20/59	0	2	
GOGA0191	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/16/69-05/11/71	1	18	
GOGA0209	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/07/64-08/12/69	4	34	
GOGA0223	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/15/69-09/15/69	0	1	
GOGA0228	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/15/69-09/15/69	0	1	
GOGA0234	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/19/66-01/31/79	12	118	
GOGA0239	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/15/69-09/15/69	0	1	
GOGA0246	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/29/86-01/29/86	0	1	
GOGA0266	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/29/86-01/29/86	0	1	
GOGA0271	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/06/54-01/06/54	0	1	
GOGA0297	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/06/54-01/06/54	0	1	
GOGA0299	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/30/86-01/30/86	0	1	
GOGA0315	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/06/54-01/06/54	0	1	
GOGA0321	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/30/86-01/30/86	0	1	
GOGA0329	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/31/86-01/31/86	0	1	
GOGA0359	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/10/54-03/10/54	0	1	
GOGA0370	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/31/86-01/31/86	0	1	
GOGA0388	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/10/54-03/10/54	0	1	
GOGA0423	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/17/87-10/12/88	0	4	
GOGA0424	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/17/87-10/12/88	0	4	
GOGA0425	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/17/87-10/12/88	0	4	
GOGA0427	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/12/88-10/12/88	0	2	
GOGA0428	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/17/87-10/12/88	0	4	
GOGA0429	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/17/87-10/12/88	0	4	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0430	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/17/87-10/12/88	0	4	
GOGA0431	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/10/54-03/10/54	0	1	
GOGA0432	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/04/87-03/02/89	1	8	
GOGA0007	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/13/90-06/13/90	0	1	
GOGA0054	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/10/87-03/10/87	0	1	
GOGA0060	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/05/83-05/05/83	0	1	
GOGA0090	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/13/81-03/01/82	0	32	
GOGA0104	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/08/88-05/16/89	0	2	
GOGA0106	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/17/87-08/31/89	1	4	
GOGA0110	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/19/88-08/31/89	1	4	
GOGA0117	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/08/88-05/17/89	0	2	
GOGA0134	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/06/88-01/08/91	2	4	
GOGA0140	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/08/88-08/31/89	0	3	
GOGA0146	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/06/88-01/08/91	2	4	
GOGA0246	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	01/31/86-01/31/86	0	1	
GOGA0423	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/17/87-10/12/88	0	4	
GOGA0424	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/17/87-10/12/88	0	4	
GOGA0425	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/17/87-10/12/88	0	4	
GOGA0427	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/12/88-10/12/88	0	2	
GOGA0428	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/17/87-10/12/88	0	4	
GOGA0429	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/17/87-10/12/88	0	4	
GOGA0430	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/17/87-10/12/88	0	4	
GOGA0432	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/04/87-03/02/89	1	8	
GOGA0027	No	00041	WEATHER (WMO CODE 4501)	01/01/01-01/01/01	0	1	
GOGA0079	No	00041	WEATHER (WMO CODE 4501)	01/01/01-01/01/01	0	1	
GOGA0081	No	00041	WEATHER (WMO CODE 4501)	01/01/01-01/01/01	0	1	
GOGA0163	No	00041	WEATHER (WMO CODE 4501)	01/24/80-12/09/87	7	94	
GOGA0195	Yes	00041	WEATHER (WMO CODE 4501)	07/23/80-01/20/87	6	61	
GOGA0221	No	00041	WEATHER (WMO CODE 4501)	07/24/80-01/21/87	6	75	
GOGA0241	Yes	00041	WEATHER (WMO CODE 4501)	07/23/80-01/20/87	6	66	
GOGA0275	No	00041	WEATHER (WMO CODE 4501)	01/31/80-12/08/87	7	92	
GOGA0296	No	00041	WEATHER (WMO CODE 4501)	01/24/80-12/08/87	7	95	
GOGA0311	No	00041	WEATHER (WMO CODE 4501)	01/31/80-12/08/87	7	95	
GOGA0339	No	00041	WEATHER (WMO CODE 4501)	01/24/80-12/08/87	7	95	
GOGA0366	No	00041	WEATHER (WMO CODE 4501)	01/31/80-12/08/87	7	94	
GOGA0380	No	00041	WEATHER (WMO CODE 4501)	07/23/80-01/20/87	6	70	
GOGA0384	No	00041	WEATHER (WMO CODE 4501)	07/23/80-01/20/87	6	78	
GOGA0418	No	00041	WEATHER (WMO CODE 4501)	01/31/80-12/08/87	7	95	
GOGA0002	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0004	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0005	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0008	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0010	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0011	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0012	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0013	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0015	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0016	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0018	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0019	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0022	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0025	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0028	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0032	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0036	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0037	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0039	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0040	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0044	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0047	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0057	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0058	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0059	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0061	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0067	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0072	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0080	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0082	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0083	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0084	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0085	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0086	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0087	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0088	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0116	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0170	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0185	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0191	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0209	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0220	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0223	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0239	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0271	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0297	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0315	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0359	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0388	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0431	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
GOGA0003	No	00060	FLOW, STREAM, MEAN DAILY CFS	11/29/70-03/26/71	0	4	
GOGA0089	No	00060	FLOW, STREAM, MEAN DAILY CFS	11/17/65-02/24/69	3	30	
GOGA0090	No	00060	FLOW, STREAM, MEAN DAILY CFS	11/17/65-10/15/71	5	67	
GOGA0001	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/29/77-08/29/77	0	1	
GOGA0005	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/15/74-04/07/75	1	14	
GOGA0007	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/90-06/13/90	0	1	
GOGA0011	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/15/74-04/07/75	1	15	
GOGA0012	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/74-01/07/75	0	12	
GOGA0016	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/74-04/04/75	1	15	
GOGA0019	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/74-01/07/75	0	12	
GOGA0022	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/74-01/07/75	0	11	
GOGA0027	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/27/54-03/12/54	0	2	
GOGA0032	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/74-04/04/75	1	18	
GOGA0036	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/12/54-03/12/54	0	1	
GOGA0039	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/09/63-04/20/64	0	3	
GOGA0040	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/28/53-04/03/75	22	17	
GOGA0044	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/74-04/02/75	1	12	
GOGA0047	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/74-04/02/75	1	18	
GOGA0057	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/74-04/02/75	1	17	
GOGA0058	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/74-04/02/75	1	17	
GOGA0059	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/74-04/02/75	1	17	
GOGA0067	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/27/53-04/01/75	22	22	
GOGA0070	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/74-04/01/75	1	19	
GOGA0079	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/27/53-06/09/53	0	2	
GOGA0080	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/27/73-05/05/75	1	21	
GOGA0081	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/27/73-05/05/75	1	21	
GOGA0085	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/27/73-05/05/75	1	24	
GOGA0087	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/73-05/05/75	1	23	
GOGA0090	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	10	88	
GOGA0138	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/95-09/29/95	0	5	
GOGA0140	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/15/89-05/15/89	0	1	
GOGA0143	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/95-11/10/95	0	10	
GOGA0153	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/95-11/10/95	0	10	
GOGA0165	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/95-11/10/95	0	10	
GOGA0263	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/24/96-03/02/97	0	4	
GOGA0264	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/01/93-07/01/93	0	1	
GOGA0265	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/29/86-01/29/86	0	1	
GOGA0270	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/01/93-07/01/93	0	1	
GOGA0271	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/06/54-01/06/54	0	1	
GOGA0273	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/24/96-03/02/97	0	4	
GOGA0276	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/02/93-07/02/93	0	1	
GOGA0297	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/06/54-01/06/54	0	1	
GOGA0299	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/25/86-06/02/88	1	5	
GOGA0304	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/19/96-03/02/97	0	3	
GOGA0310	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/19/96-03/02/97	0	3	
GOGA0315	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/06/54-01/06/54	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0319	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/07/94-03/07/94	0	1	
GOGA0321	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/25/86-06/02/88	1	5	
GOGA0326	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/13/93-12/14/93	0	2	
GOGA0327	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/24/96-03/02/97	0	3	
GOGA0328	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/97-12/11/97	0	4	
GOGA0329	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/31/86-01/31/86	0	1	
GOGA0332	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/26/97-02/17/98	0	4	
GOGA0338	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/13/93-12/14/93	0	2	
GOGA0342	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/19/96-03/02/97	0	3	
GOGA0343	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/11/97-02/17/98	0	4	
GOGA0349	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/13/93-12/14/93	0	2	
GOGA0351	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/29/96-03/02/97	0	3	
GOGA0359	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/10/54-03/10/54	0	1	
GOGA0361	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/04/97-03/31/98	0	8	
GOGA0367	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/16/97-03/31/98	0	6	
GOGA0369	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/07/94-03/07/94	0	1	
GOGA0370	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/31/86-01/31/86	0	1	
GOGA0371	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/29/96-03/02/97	0	3	
GOGA0373	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/86-06/07/88	1	5	
GOGA0379	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/17/98-02/17/98	0	1	
GOGA0382	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	0	1	
GOGA0388	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/10/54-03/10/54	0	1	
GOGA0389	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/07/94-03/07/94	0	1	
GOGA0408	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/08/95-03/08/95	0	1	
GOGA0409	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	0	1	
GOGA0423	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	0	2	
GOGA0424	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	0	2	
GOGA0425	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	0	2	
GOGA0428	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	0	2	
GOGA0429	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	0	2	
GOGA0430	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	0	2	
GOGA0431	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/10/54-03/10/54	0	1	
GOGA0432	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/04/87-03/02/89	1	8	
GOGA0435	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/77-09/15/80	2	59	
GOGA0007	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	06/13/90-06/13/90	0	1	
GOGA0423	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	12/17/87-10/12/88	0	4	
GOGA0424	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	12/17/87-10/12/88	0	4	
GOGA0425	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	12/17/87-10/12/88	0	4	
GOGA0427	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	10/12/88-10/12/88	0	2	
GOGA0428	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	12/17/87-10/12/88	0	4	
GOGA0429	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	12/17/87-10/12/88	0	4	
GOGA0430	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	12/17/87-10/12/88	0	4	
GOGA0432	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	12/04/87-03/02/89	1	4	
GOGA0435	No	00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	10/04/77-02/18/80	2	28	
GOGA0067	No	00065	STAGE, STREAM (FEET)	12/02/74-12/02/74	0	1	
GOGA0191	No	00065	STAGE, STREAM (FEET)	05/28/70-05/28/70	0	1	
GOGA0252	Yes	00065	STAGE, STREAM (FEET)	03/02/97-03/02/97	0	1	
GOGA0327	Yes	00065	STAGE, STREAM (FEET)	10/24/96-03/02/97	0	3	
GOGA0351	Yes	00065	STAGE, STREAM (FEET)	01/25/97-01/25/97	0	1	
GOGA0371	Yes	00065	STAGE, STREAM (FEET)	10/29/96-03/02/97	0	4	
GOGA0163	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	03/16/81-12/09/87	6	82	
GOGA0195	Yes	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/23/80-01/20/87	6	61	
GOGA0221	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/24/80-01/21/87	6	75	
GOGA0241	Yes	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/23/80-01/20/87	6	66	
GOGA0275	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	03/11/81-12/08/87	6	81	
GOGA0296	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	03/11/81-12/08/87	6	82	
GOGA0311	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	02/11/81-12/08/87	6	83	
GOGA0339	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	02/11/81-12/08/87	6	83	
GOGA0366	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	02/11/81-12/08/87	6	82	
GOGA0380	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/23/80-01/20/87	6	70	
GOGA0384	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/23/80-01/20/87	6	79	
GOGA0418	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	02/11/81-12/08/87	6	83	
GOGA0092	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/14/90-12/01/92	2	213	
GOGA0095	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/21/89-12/05/89	0	134	
GOGA0096	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/21/89-12/05/89	0	267	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0101	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/21/89-12/01/92	3	267	
GOGA0112	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/21/89-12/01/92	3	247	
GOGA0124	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/07/89-12/01/92	3	251	
GOGA0128	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/07/89-12/01/92	3	265	
GOGA0189	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/21/89-12/05/89	0	253	
GOGA0027	No	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	01/27/54-03/12/54	0	2	
GOGA0036	No	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	03/12/54-03/12/54	0	1	
GOGA0191	No	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	09/16/69-05/11/71	1	18	
GOGA0209	Yes	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	10/07/64-11/17/66	2	2	
GOGA0234	No	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	06/23/71-01/24/72	0	8	
GOGA0359	No	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	03/10/54-03/10/54	0	1	
GOGA0388	No	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	03/10/54-03/10/54	0	1	
GOGA0431	No	00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	03/10/54-03/10/54	0	1	
GOGA0005	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/15/74-04/07/75	1	11	
GOGA0011	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/15/74-04/07/75	1	12	
GOGA0012	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/26/74-12/13/74	0	8	
GOGA0016	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/26/74-04/04/75	1	12	
GOGA0019	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/26/74-01/07/75	0	9	
GOGA0022	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/26/74-12/13/74	0	8	
GOGA0032	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/26/74-04/04/75	1	15	
GOGA0040	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/74-04/03/75	1	13	
GOGA0044	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/74-04/02/75	1	10	
GOGA0047	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/74-04/02/75	1	15	
GOGA0057	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/74-04/02/75	1	14	
GOGA0058	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/74-04/02/75	1	14	
GOGA0059	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/13/74-04/02/75	1	13	
GOGA0067	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/13/74-04/01/75	1	16	
GOGA0072	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/13/74-04/01/75	1	17	
GOGA0080	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/17/73-05/05/75	1	20	
GOGA0082	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/17/73-05/05/75	1	21	
GOGA0085	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/17/73-05/05/75	1	21	
GOGA0087	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/17/73-05/05/75	1	19	
GOGA0185	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/19/75-06/19/75	0	1	
GOGA0234	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	6	84	
GOGA0092	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	6	28	
GOGA0101	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	6	28	
GOGA0112	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	6	28	
GOGA0124	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	6	28	
GOGA0128	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	6	27	
GOGA0156	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/97-11/03/97	0	4	
GOGA0157	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/11/93-09/18/94	0	5	
GOGA0158	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	11/11/93-09/18/94	0	5	
GOGA0163	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	7	93	A
GOGA0231	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-01/09/78	9	28	
GOGA0242	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	09/11/68-02/07/79	10	43	T
GOGA0274	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-02/07/79	10	38	
GOGA0275	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	7	89	A
GOGA0296	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	7	95	A
GOGA0298	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-09/13/77	9	25	
GOGA0309	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-03/07/78	9	27	
GOGA0311	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	7	94	A
GOGA0334	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-02/07/79	10	41	T
GOGA0339	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	7	94	A
GOGA0366	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	7	92	A
GOGA0374	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-02/08/79	10	44	T
GOGA0418	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	7	95	A
GOGA0419	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/67-02/08/79	11	52	T,S
GOGA0054	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/10/87-03/10/87	0	1	
GOGA0054	No	00086	ODOR (THRESHOLD NUMBER AT 60 DEG C)	03/10/87-03/10/87	0	1	
GOGA0005	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/15/74-04/07/75	1	12	
GOGA0011	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/15/74-04/07/75	1	15	
GOGA0012	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/74-01/07/75	0	12	
GOGA0014	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-01/23/98	0	1	
GOGA0016	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/74-04/04/75	1	15	
GOGA0017	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-01/23/98	0	1	
GOGA0019	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/74-01/07/75	0	11	
GOGA0020	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-10/27/98	0	93	
GOGA0022	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/74-01/07/75	0	11	
GOGA0023	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-01/23/98	0	1	
GOGA0031	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-01/23/98	0	1	
GOGA0032	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	03/26/74-04/04/75	1	17	

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Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0039	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/17/63-04/24/64	0	9	
GOGA0040	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/74-04/03/75	1	16	
GOGA0043	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/19/96-11/04/98	2	384	
GOGA0044	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/74-04/02/75	1	10	
GOGA0047	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/74-04/02/75	1	18	
GOGA0051	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/96-11/05/98	2	115	
GOGA0057	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/74-04/02/75	1	16	
GOGA0058	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/74-04/02/75	1	16	
GOGA0059	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/74-04/02/75	1	17	
GOGA0067	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/27/53-04/01/75	22	21	
GOGA0072	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/74-04/01/75	1	18	
GOGA0077	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/06/96-11/04/98	2	459	
GOGA0079	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/27/53-06/09/53	0	2	
GOGA0080	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/17/73-05/05/75	1	23	
GOGA0081	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/17/73-05/05/75	1	24	
GOGA0085	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/17/73-05/05/75	1	24	
GOGA0087	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/17/73-05/05/75	1	22	
GOGA0138	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/95-11/10/95	0	10	
GOGA0143	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/95-11/10/95	0	10	
GOGA0147	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-11/21/96	0	2	
GOGA0153	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/95-11/10/95	0	10	
GOGA0157	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/11/93-09/18/94	0	5	
GOGA0158	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/11/93-09/18/94	0	5	
GOGA0165	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/95-11/10/95	0	10	
GOGA0180	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/19/85-06/04/86	1	18	
GOGA0185	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/19/75-06/19/75	0	4	
GOGA0191	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/69-05/11/71	1	16	
GOGA0209	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/07/64-08/12/69	4	7	
GOGA0234	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	10	97	T,S
GOGA0249	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/08/93-08/05/93	0	3	
GOGA0252	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-03/02/97	0	4	
GOGA0257	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-08/05/93	0	4	
GOGA0262	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/08/93-08/05/93	0	3	
GOGA0263	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-03/02/97	0	4	
GOGA0264	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-08/12/93	0	8	
GOGA0269	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/93-08/12/93	0	3	
GOGA0270	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-07/22/93	0	5	
GOGA0272	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/93-08/12/93	0	3	
GOGA0273	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-03/02/97	0	4	
GOGA0276	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/02/93-08/12/93	0	7	
GOGA0280	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/93-08/12/93	0	4	
GOGA0281	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/93-08/12/93	0	4	
GOGA0304	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/96-03/02/97	0	3	
GOGA0310	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/96-03/02/97	0	3	
GOGA0318	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/07/94-04/25/94	0	2	
GOGA0327	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-03/02/97	0	4	
GOGA0328	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/26/97-03/18/98	0	5	
GOGA0332	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/31/98	0	10	
GOGA0337	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/31/98	0	10	
GOGA0340	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/31/98	0	10	
GOGA0342	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-03/02/97	0	4	
GOGA0343	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/04/97-03/31/98	0	7	
GOGA0351	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/29/96-03/02/97	0	4	
GOGA0361	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/26/97-03/31/98	0	10	
GOGA0367	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/31/98	0	11	
GOGA0368	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/07/94-04/25/94	0	2	
GOGA0371	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/29/96-03/02/97	0	4	
GOGA0372	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/18/98	0	3	
GOGA0379	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/31/98	0	9	
GOGA0382	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	0	1	
GOGA0389	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/07/94-04/25/94	0	2	
GOGA0408	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/08/95-03/08/95	0	1	
GOGA0409	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	04/25/94-04/25/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0412	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	0	1	
GOGA0413	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	0	1	
GOGA0001	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/29/77-08/29/77	0	1	
GOGA0006	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/23/59-03/23/59	0	1	
GOGA0013	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/69-03/07/69	0	1	
GOGA0024	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/05/72-06/05/72	0	1	
GOGA0027	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/27/54-03/12/54	0	2	
GOGA0034	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/24/59-03/24/59	0	1	
GOGA0036	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/54-03/12/54	0	1	
GOGA0039	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/63-04/20/64	0	3	
GOGA0040	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/53-06/09/53	0	2	
GOGA0045	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/05/72-06/05/72	0	1	
GOGA0046	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/59-03/29/59	0	1	
GOGA0048	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/59-03/30/59	0	1	
GOGA0053	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/51-06/05/72	21	3	
GOGA0054	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/10/87-03/10/87	0	1	
GOGA0060	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/03/81-05/05/83	2	2	
GOGA0067	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/27/53-06/09/53	0	2	
GOGA0070	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/27/53-01/27/53	0	1	
GOGA0073	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/05/72-06/05/72	0	1	
GOGA0079	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/27/53-06/09/53	0	2	
GOGA0081	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/27/53-06/09/53	0	2	
GOGA0090	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/77-07/27/77	0	1	
GOGA0092	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	6	342	
GOGA0095	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/89-12/05/89	0	90	
GOGA0096	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/89-12/05/89	0	158	
GOGA0101	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	7	282	A
GOGA0103	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/55-04/29/69	14	4	
GOGA0104	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/08/88-05/16/89	0	2	
GOGA0106	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/17/87-05/02/88	0	3	
GOGA0107	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/55-06/05/72	17	3	
GOGA0110	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/88-05/16/89	0	2	
GOGA0112	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	7	257	A
GOGA0117	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/17/89-05/17/89	0	1	
GOGA0124	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	7	259	A
GOGA0128	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	7	273	A
GOGA0134	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/06/88-01/08/91	2	4	
GOGA0139	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/94-12/30/96	2	80	
GOGA0140	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/08/88-05/15/89	0	2	
GOGA0146	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/06/88-01/08/91	2	4	
GOGA0154	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/94-12/30/96	2	79	
GOGA0163	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	7	607	A
GOGA0180	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/85-06/04/86	1	18	
GOGA0187	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/01/78-12/21/78	0	324	
GOGA0188	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/59-08/20/59	0	2	
GOGA0189	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/05/89	0	145	
GOGA0191	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/16/69-05/11/71	1	17	
GOGA0195	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	6	60	
GOGA0209	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/07/64-08/12/69	4	29	
GOGA0214	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/82-12/24/87	5	67	
GOGA0221	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	6	74	
GOGA0231	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-01/09/78	9	29	
GOGA0234	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	11	104	T,S
GOGA0241	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	6	65	
GOGA0242	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/11/68-02/07/79	10	44	T
GOGA0246	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/86-01/29/86	0	1	
GOGA0271	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/06/54-01/06/54	0	1	
GOGA0274	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-02/07/79	10	38	
GOGA0275	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	7	801	A
GOGA0296	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	7	531	A
GOGA0297	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/06/54-01/06/54	0	1	
GOGA0298	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/13/77	9	26	
GOGA0299	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/86-06/02/88	1	5	
GOGA0305	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/78-12/20/78	0	312	
GOGA0309	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-03/07/78	9	28	
GOGA0311	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	7	694	A
GOGA0315	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	01/06/54-01/06/54	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0321	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/86-01/31/86	0	1	
GOGA0334	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-02/07/79	10	41	T
GOGA0339	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	7	275	A
GOGA0359	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/10/54-03/10/54	0	1	
GOGA0366	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	7	655	A
GOGA0370	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/86-06/07/88	1	5	
GOGA0374	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-02/08/79	10	45	T
GOGA0380	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	6	69	
GOGA0384	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	6	78	
GOGA0388	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/10/54-03/10/54	0	1	
GOGA0414	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/78-12/20/78	0	210	
GOGA0418	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	7	556	A
GOGA0419	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/67-02/08/79	11	52	S
GOGA0420	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/28/82-12/23/87	5	68	
GOGA0431	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/10/54-03/10/54	0	1	
GOGA0001	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/29/77-08/29/77	0	1	
GOGA0003	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/29/70-03/26/71	0	4	
GOGA0005	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/15/74-04/07/75	1	14	
GOGA0006	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/23/59-03/23/59	0	1	
GOGA0007	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/13/90-06/13/90	0	1	
GOGA0011	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/15/74-04/07/75	1	16	
GOGA0012	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/26/74-01/07/75	0	12	
GOGA0013	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/07/69-03/07/69	0	1	
GOGA0014	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/98-01/23/98	0	1	
GOGA0016	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/26/74-04/04/75	1	15	
GOGA0017	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/98-01/23/98	0	1	
GOGA0019	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/26/74-01/07/75	0	12	
GOGA0020	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/98-10/27/98	0	99	
GOGA0022	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/26/74-01/07/75	0	11	
GOGA0023	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/98-01/23/98	0	1	
GOGA0024	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/05/72-06/05/72	0	1	
GOGA0026	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/31/06-05/31/06	0	1	
GOGA0027	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/27/54-03/12/54	0	2	
GOGA0031	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/98-01/23/98	0	1	
GOGA0032	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/26/74-04/04/75	1	18	
GOGA0033	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/08/72-08/08/72	0	4	
GOGA0034	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/24/59-03/24/59	0	1	
GOGA0035	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/31/06-05/31/06	0	1	
GOGA0036	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/12/54-03/12/54	0	1	
GOGA0039	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/28/53-05/11/64	11	17	
GOGA0040	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/28/53-04/03/75	22	18	
GOGA0043	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/19/96-11/04/98	2	411	
GOGA0044	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/14/74-04/02/75	1	13	
GOGA0045	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/05/72-06/05/72	0	1	
GOGA0046	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/29/59-03/29/59	0	1	
GOGA0047	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/14/74-04/02/75	1	18	
GOGA0048	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/30/59-03/30/59	0	1	
GOGA0051	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/96-11/05/98	2	120	
GOGA0052	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/31/06-05/31/06	0	1	
GOGA0053	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/17/51-06/05/72	21	3	
GOGA0054	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/10/87-03/10/87	0	1	
GOGA0056	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/13/70-08/13/70	0	1	
GOGA0057	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/14/74-04/02/75	1	18	
GOGA0058	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/14/74-04/02/75	1	17	
GOGA0059	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/13/74-04/02/75	1	17	
GOGA0060	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/03/81-05/05/83	2	2	
GOGA0063	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/27/98-04/30/98	0	35	
GOGA0064	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/27/98-04/30/98	0	28	
GOGA0066	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/31/06-05/31/06	0	1	
GOGA0067	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/27/53-04/01/75	22	22	
GOGA0068	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/27/98-04/30/98	0	40	
GOGA0069	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/27/98-04/30/98	0	39	
GOGA0070	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/27/53-04/01/75	22	21	
GOGA0073	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/05/72-06/05/72	0	1	
GOGA0075	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/27/98-04/30/98	0	45	
GOGA0077	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/06/96-11/04/98	2	528	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0079	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/27/53-06/09/53	0	2	
GOGA0080	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/22/73-05/05/75	1	24	
GOGA0081	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/17/73-05/05/75	1	24	
GOGA0085	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/22/73-05/05/75	1	26	
GOGA0087	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/17/73-05/05/75	1	23	
GOGA0089	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/17/65-02/24/69	3	30	
GOGA0090	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/17/65-03/01/82	16	155	
GOGA0102	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/27/06-10/05/06	0	2	
GOGA0103	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/11/55-04/29/69	14	4	
GOGA0104	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/08/88-05/16/89	0	2	
GOGA0106	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/17/87-05/02/88	0	3	
GOGA0107	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/11/55-06/05/72	17	3	
GOGA0108	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/27/06-10/05/06	0	2	
GOGA0110	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/19/88-05/16/89	0	3	
GOGA0115	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/06/06-07/06/06	0	1	
GOGA0116	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/15/69-09/15/69	0	1	
GOGA0117	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/17/89-05/17/89	0	1	
GOGA0119	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/06-10/05/06	0	2	
GOGA0120	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/06/06-07/06/06	0	1	
GOGA0129	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/01/66-12/01/70	4	60	
GOGA0132	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/02/69-01/10/74	5	121	
GOGA0133	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/28/75-03/28/75	0	1	
GOGA0134	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/06/88-01/08/91	2	4	
GOGA0137	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/27/06-09/25/06	0	4	
GOGA0138	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/29/95-11/10/95	0	11	
GOGA0139	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/14/94-11/26/97	3	132	
GOGA0140	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/08/88-05/15/89	0	2	
GOGA0142	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/06/95-03/28/96	0	16	
GOGA0143	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/29/95-11/10/95	0	11	
GOGA0146	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/06/88-01/08/91	2	4	
GOGA0147	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/24/96-11/21/96	0	4	
GOGA0148	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/30/97-09/30/97	0	1	
GOGA0149	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/29/96-11/03/97	1	6	
GOGA0150	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/30/97-09/30/97	0	2	
GOGA0153	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/29/95-11/10/95	0	11	
GOGA0154	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/14/94-11/26/97	3	134	
GOGA0156	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/29/96-11/03/97	1	32	
GOGA0157	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/11/93-09/18/94	0	25	
GOGA0158	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/11/93-09/18/94	0	12	
GOGA0159	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/06/95-03/28/96	0	15	
GOGA0160	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/28/97-11/03/97	0	4	
GOGA0161	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/30/97-09/30/97	0	2	
GOGA0162	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/03/97-07/03/97	0	1	
GOGA0163	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/24/80-12/09/87	7	698	
GOGA0164	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/28/97-11/03/97	0	4	
GOGA0165	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/29/95-11/10/95	0	11	
GOGA0173	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/29/95-11/10/95	0	11	
GOGA0175	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/94-02/17/94	0	3	
GOGA0180	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/19/85-06/04/86	1	18	
GOGA0182	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/94-02/17/94	0	3	
GOGA0185	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/19/75-06/19/75	0	4	
GOGA0186	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/94-02/17/94	0	3	
GOGA0187	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/09/77-12/21/78	1	353	
GOGA0188	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/20/59-08/20/59	0	2	
GOGA0191	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/16/69-05/11/71	1	18	
GOGA0192	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/06-08/01/06	0	2	
GOGA0193	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/94-02/17/94	0	3	
GOGA0194	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/06-07/26/06	0	1	
GOGA0195	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/23/80-01/20/87	6	121	
GOGA0206	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/23/94-02/17/94	0	3	
GOGA0209	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/07/64-08/12/69	4	34	
GOGA0211	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/16/72-07/31/72	0	9	
GOGA0214	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/25/82-12/24/87	5	67	
GOGA0221	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/24/80-01/21/87	6	149	
GOGA0223	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/15/69-09/15/69	0	1	
GOGA0228	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/15/69-09/15/69	0	1	
GOGA0229	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/09/77-11/08/78	0	6	
GOGA0230	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/09/77-11/08/78	0	28	
GOGA0231	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/12/68-01/09/78	9	29	
GOGA0234	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/19/66-01/31/79	12	118	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0239	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/15/69-09/15/69	0	1	
GOGA0241	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/23/80-01/20/87	6	131	
GOGA0242	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/11/68-02/07/79	10	44	
GOGA0244	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/23/92-11/23/92	0	1	
GOGA0245	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/23/92-11/23/92	0	1	
GOGA0246	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/29/86-01/29/86	0	1	
GOGA0247	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/14/96-08/28/96	0	4	
GOGA0248	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/23/92-11/23/92	0	1	
GOGA0249	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/08/93-08/05/93	0	5	
GOGA0250	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/23/92-11/23/92	0	1	
GOGA0251	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/29/86-06/08/88	2	6	
GOGA0252	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/24/96-03/02/97	0	6	
GOGA0253	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/25/86-06/20/86	0	10	
GOGA0255	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/14/96-08/28/96	0	4	
GOGA0256	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/25/86-06/20/86	0	10	
GOGA0257	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/24/93-08/05/93	0	5	
GOGA0258	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/18/96-01/25/97	0	2	
GOGA0259	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/25/86-06/20/86	0	10	
GOGA0260	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/25/86-06/20/86	0	10	
GOGA0261	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/14/96-08/14/96	0	2	
GOGA0262	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/08/93-08/05/93	0	5	
GOGA0263	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/24/96-03/02/97	0	6	
GOGA0264	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/24/93-08/12/93	0	9	
GOGA0265	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/29/86-06/08/88	2	6	
GOGA0266	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/29/86-01/29/86	0	1	
GOGA0269	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/93-08/12/93	0	3	
GOGA0270	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/24/93-07/22/93	0	7	
GOGA0271	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/06/54-01/06/54	0	1	
GOGA0272	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/93-08/12/93	0	4	
GOGA0273	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/24/96-03/02/97	0	7	
GOGA0274	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/12/68-02/07/79	10	38	
GOGA0275	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/31/80-12/08/87	7	893	
GOGA0276	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/02/93-08/12/93	0	9	
GOGA0280	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/22/93-08/12/93	0	5	
GOGA0281	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/22/93-08/12/93	0	5	
GOGA0287	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/30/72-12/18/72	0	19	
GOGA0296	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/24/80-12/08/87	7	626	
GOGA0297	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/06/54-01/06/54	0	1	
GOGA0298	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/12/68-09/13/77	9	26	
GOGA0299	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/30/86-06/02/88	2	6	
GOGA0304	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/18/96-03/02/97	0	5	
GOGA0305	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/10/77-12/20/78	1	315	
GOGA0309	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/12/68-03/07/78	9	28	
GOGA0310	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/18/96-03/02/97	0	4	
GOGA0311	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/31/80-12/08/87	7	787	
GOGA0312	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/25/86-06/20/86	0	10	
GOGA0313	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/25/86-06/20/86	0	10	
GOGA0314	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/25/86-06/20/86	0	10	
GOGA0315	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/06/54-01/06/54	0	1	
GOGA0316	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/13/93-12/14/93	0	2	
GOGA0317	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/25/86-06/20/86	0	10	
GOGA0318	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/07/94-04/25/94	0	3	
GOGA0320	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/31/93-12/14/93	0	5	
GOGA0321	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/30/86-01/30/86	0	1	
GOGA0322	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/13/93-12/14/93	0	2	
GOGA0323	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/31/86-06/07/88	2	6	
GOGA0324	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/30/86-06/02/88	2	7	
GOGA0326	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/31/93-12/14/93	0	5	
GOGA0327	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/24/96-03/02/97	0	7	
GOGA0328	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/03/95-03/18/98	3	17	
GOGA0329	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/31/86-01/31/86	0	1	
GOGA0331	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/13/93-12/14/93	0	2	
GOGA0332	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/13/93-03/31/98	4	36	
GOGA0333	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/29/96-01/25/97	0	3	
GOGA0334	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/12/68-02/07/79	10	41	
GOGA0335	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/14/88-04/10/88	0	2	
GOGA0336	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/21/96-11/21/96	0	1	
GOGA0337	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/19/97-03/31/98	0	15	
GOGA0338	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/31/93-12/14/93	0	5	
GOGA0339	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/24/80-12/08/87	7	371	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0340	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/19/97-03/31/98	0	10	
GOGA0341	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/06/98-02/06/98	0	1	
GOGA0342	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/24/96-03/02/97	0	6	
GOGA0343	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/04/97-03/31/98	0	13	
GOGA0344	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/01/66-12/01/72	6	84	
GOGA0345	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/01/66-12/01/68	2	35	
GOGA0346	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/01/66-12/01/68	2	36	
GOGA0349	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/31/93-12/14/93	0	5	
GOGA0351	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/24/96-03/02/97	0	6	
GOGA0359	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/10/54-03/10/54	0	1	
GOGA0360	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/14/88-04/10/88	0	2	
GOGA0361	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/26/97-03/31/98	0	11	
GOGA0362	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/10/77-11/09/78	0	29	
GOGA0365	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/07/72-05/15/72	0	15	
GOGA0366	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/31/80-12/08/87	7	748	
GOGA0367	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/19/97-03/31/98	0	12	
GOGA0368	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/07/94-04/25/94	0	3	
GOGA0370	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/31/86-01/31/86	0	1	
GOGA0371	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/24/96-03/02/97	0	6	
GOGA0372	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/03/95-03/18/98	3	13	
GOGA0373	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/31/86-06/07/88	2	7	
GOGA0374	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/12/68-02/08/79	10	45	
GOGA0375	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/14/88-04/10/88	0	2	
GOGA0376	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/10/95-01/10/95	0	1	
GOGA0377	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/07/72-05/17/72	0	16	
GOGA0379	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/19/97-03/31/98	0	10	
GOGA0380	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/23/80-01/20/87	6	127	
GOGA0382	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/25/94-04/25/94	0	1	
GOGA0384	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/23/80-01/20/87	6	157	
GOGA0385	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/14/88-04/10/88	0	2	
GOGA0386	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	02/14/88-04/10/88	0	2	
GOGA0388	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/10/54-03/10/54	0	1	
GOGA0389	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/07/94-04/25/94	0	3	
GOGA0408	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/08/95-03/08/95	0	1	
GOGA0409	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/25/94-04/25/94	0	1	
GOGA0412	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/25/94-04/25/94	0	1	
GOGA0413	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/25/94-04/25/94	0	1	
GOGA0414	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/10/77-12/20/78	1	219	
GOGA0418	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/31/80-12/08/87	7	642	
GOGA0419	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/12/67-02/08/79	11	52	
GOGA0420	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/28/82-12/23/87	5	68	
GOGA0423	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/17/87-10/12/88	0	4	
GOGA0424	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/17/87-10/12/88	0	4	
GOGA0425	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/17/87-10/12/88	0	4	
GOGA0427	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/12/88-10/12/88	0	2	
GOGA0428	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/17/87-10/12/88	0	4	
GOGA0429	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/17/87-10/12/88	0	4	
GOGA0430	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/17/87-10/12/88	0	4	
GOGA0431	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/10/54-03/10/54	0	1	
GOGA0432	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/04/87-03/02/89	1	8	
GOGA0435	No	00097	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/04/77-09/15/80	2	59	
GOGA0187	No	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	11/09/77-12/21/78	1	353	
GOGA0229	No	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	11/09/77-11/08/78	0	6	
GOGA0230	No	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	11/09/77-11/08/78	0	28	
GOGA0305	No	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	11/10/77-12/20/78	1	315	
GOGA0362	No	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	11/10/77-11/09/78	0	29	
GOGA0414	No	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	11/10/77-12/20/78	1	219	
GOGA0175	Yes	00148	HERBICIDES, TOTAL, WHOLE WATER, MG/L	01/23/94-02/06/94	0	2	
GOGA0175	Yes	00188	CHLORINATED PESTICIDES, TOTAL, AND PCBS, MG/L	01/23/94-02/06/94	0	2	
GOGA0014	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-01/23/98	0	1	
GOGA0017	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-01/23/98	0	1	
GOGA0020	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-10/27/98	0	99	
GOGA0023	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-01/23/98	0	1	
GOGA0031	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-01/23/98	0	1	
GOGA0043	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/96-11/04/98	2	376	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0051	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/96-11/05/98	2	115	
GOGA0077	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/06/96-11/04/98	2	486	
GOGA0138	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/95-11/10/95	0	10	
GOGA0143	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/95-11/10/95	0	10	
GOGA0147	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-11/21/96	0	2	
GOGA0153	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/95-11/10/95	0	10	
GOGA0156	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/29/96-11/03/97	1	28	
GOGA0157	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/11/93-09/18/94	0	25	
GOGA0158	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/11/93-09/18/94	0	12	
GOGA0165	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/95-11/10/95	0	10	
GOGA0247	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/96-08/28/96	0	3	
GOGA0249	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/08/93-08/05/93	0	3	
GOGA0252	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-03/02/97	0	4	
GOGA0253	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	0	10	
GOGA0255	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/96-08/28/96	0	4	
GOGA0256	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	0	10	
GOGA0257	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/93-08/05/93	0	4	
GOGA0259	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	0	10	
GOGA0260	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	0	10	
GOGA0261	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/96-08/14/96	0	2	
GOGA0262	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/08/93-08/05/93	0	3	
GOGA0263	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-03/02/97	0	4	
GOGA0264	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/93-08/12/93	0	8	
GOGA0269	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/93-08/12/93	0	3	
GOGA0270	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/93-07/22/93	0	5	
GOGA0272	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/93-08/12/93	0	3	
GOGA0273	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-03/02/97	0	4	
GOGA0276	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/02/93-08/12/93	0	7	
GOGA0280	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/93-08/12/93	0	4	
GOGA0281	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/93-08/12/93	0	4	
GOGA0304	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/96-03/02/97	0	3	
GOGA0310	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/96-03/02/97	0	3	
GOGA0312	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	0	10	
GOGA0313	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	0	10	
GOGA0314	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	0	10	
GOGA0317	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	0	10	
GOGA0318	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/07/94-04/25/94	0	2	
GOGA0327	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-03/02/97	0	4	
GOGA0328	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/26/97-01/12/98	0	4	
GOGA0332	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-03/31/98	0	9	
GOGA0337	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-03/31/98	0	9	
GOGA0340	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-03/31/98	0	9	
GOGA0342	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-03/02/97	0	4	
GOGA0343	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/04/97-03/31/98	0	6	
GOGA0351	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/29/96-03/02/97	0	4	
GOGA0361	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/26/97-03/31/98	0	8	
GOGA0367	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-03/31/98	0	8	
GOGA0368	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/07/94-04/25/94	0	2	
GOGA0371	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/29/96-03/02/97	0	4	
GOGA0372	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-11/26/97	0	2	
GOGA0379	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-03/31/98	0	9	
GOGA0382	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	0	1	
GOGA0389	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/07/94-04/25/94	0	2	
GOGA0408	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/08/95-03/08/95	0	1	
GOGA0409	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	0	1	
GOGA0412	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	0	1	
GOGA0413	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	0	1	
GOGA0001	No	00300	OXYGEN, DISSOLVED MG/L	08/29/77-08/29/77	0	1	
GOGA0005	No	00300	OXYGEN, DISSOLVED MG/L	03/15/74-04/07/75	1	12	
GOGA0011	No	00300	OXYGEN, DISSOLVED MG/L	03/15/74-04/07/75	1	15	
GOGA0012	No	00300	OXYGEN, DISSOLVED MG/L	03/26/74-01/07/75	0	12	
GOGA0016	No	00300	OXYGEN, DISSOLVED MG/L	03/26/74-04/04/75	1	15	
GOGA0019	No	00300	OXYGEN, DISSOLVED MG/L	03/26/74-01/07/75	0	12	
GOGA0022	No	00300	OXYGEN, DISSOLVED MG/L	03/26/74-01/07/75	0	11	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0032	No	00300	OXYGEN, DISSOLVED MG/L	03/26/74-04/04/75	1	14	
GOGA0039	No	00300	OXYGEN, DISSOLVED MG/L	10/09/63-04/20/64	0	3	
GOGA0040	No	00300	OXYGEN, DISSOLVED MG/L	03/14/74-04/03/75	1	15	
GOGA0044	No	00300	OXYGEN, DISSOLVED MG/L	03/14/74-04/02/75	1	10	
GOGA0047	No	00300	OXYGEN, DISSOLVED MG/L	03/14/74-04/02/75	1	16	
GOGA0057	No	00300	OXYGEN, DISSOLVED MG/L	03/14/74-04/02/75	1	16	
GOGA0058	No	00300	OXYGEN, DISSOLVED MG/L	03/14/74-04/02/75	1	16	
GOGA0059	No	00300	OXYGEN, DISSOLVED MG/L	03/13/74-04/02/75	1	17	
GOGA0067	No	00300	OXYGEN, DISSOLVED MG/L	03/13/74-04/01/75	1	16	
GOGA0070	No	00300	OXYGEN, DISSOLVED MG/L	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00300	OXYGEN, DISSOLVED MG/L	03/13/74-04/01/75	1	16	
GOGA0080	No	00300	OXYGEN, DISSOLVED MG/L	07/17/73-05/05/75	1	23	
GOGA0082	Yes	00300	OXYGEN, DISSOLVED MG/L	07/17/73-05/05/75	1	24	
GOGA0085	Yes	00300	OXYGEN, DISSOLVED MG/L	07/17/73-05/05/75	1	25	
GOGA0087	No	00300	OXYGEN, DISSOLVED MG/L	07/17/73-05/05/75	1	23	
GOGA0090	No	00300	OXYGEN, DISSOLVED MG/L	07/27/77-07/27/77	0	1	
GOGA0092	No	00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	6	316	
GOGA0095	No	00300	OXYGEN, DISSOLVED MG/L	01/10/89-12/05/89	0	90	
GOGA0096	No	00300	OXYGEN, DISSOLVED MG/L	01/10/89-12/05/89	0	158	
GOGA0101	No	00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	7	263	
GOGA0112	No	00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	7	238	
GOGA0124	No	00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	7	234	
GOGA0128	No	00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	7	255	A
GOGA0156	Yes	00300	OXYGEN, DISSOLVED MG/L	10/29/96-11/03/97	1	27	
GOGA0185	No	00300	OXYGEN, DISSOLVED MG/L	06/19/75-06/19/75	0	4	
GOGA0187	No	00300	OXYGEN, DISSOLVED MG/L	11/09/77-12/21/78	1	348	
GOGA0189	No	00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/05/89	0	145	
GOGA0191	No	00300	OXYGEN, DISSOLVED MG/L	12/15/69-05/11/71	1	17	
GOGA0209	Yes	00300	OXYGEN, DISSOLVED MG/L	10/07/64-08/12/69	4	33	
GOGA0229	No	00300	OXYGEN, DISSOLVED MG/L	11/09/77-11/08/78	0	6	
GOGA0230	No	00300	OXYGEN, DISSOLVED MG/L	11/09/77-11/08/78	0	28	
GOGA0234	No	00300	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	12	118	T,A,S
GOGA0246	Yes	00300	OXYGEN, DISSOLVED MG/L	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00300	OXYGEN, DISSOLVED MG/L	06/24/86-06/08/88	1	5	
GOGA0265	Yes	00300	OXYGEN, DISSOLVED MG/L	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00300	OXYGEN, DISSOLVED MG/L	01/29/86-01/29/86	0	1	
GOGA0287	Yes	00300	OXYGEN, DISSOLVED MG/L	01/31/72-12/10/72	0	11	
GOGA0299	Yes	00300	OXYGEN, DISSOLVED MG/L	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00300	OXYGEN, DISSOLVED MG/L	06/25/86-06/02/88	1	5	
GOGA0305	No	00300	OXYGEN, DISSOLVED MG/L	11/10/77-12/20/78	1	315	
GOGA0321	Yes	00300	OXYGEN, DISSOLVED MG/L	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00300	OXYGEN, DISSOLVED MG/L	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00300	OXYGEN, DISSOLVED MG/L	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00300	OXYGEN, DISSOLVED MG/L	01/31/86-01/31/86	0	1	
GOGA0335	No	00300	OXYGEN, DISSOLVED MG/L	02/14/88-04/10/88	0	2	
GOGA0360	Yes	00300	OXYGEN, DISSOLVED MG/L	02/14/88-04/10/88	0	2	
GOGA0362	No	00300	OXYGEN, DISSOLVED MG/L	11/10/77-11/09/78	0	27	
GOGA0370	Yes	00300	OXYGEN, DISSOLVED MG/L	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00300	OXYGEN, DISSOLVED MG/L	06/26/86-06/07/88	1	5	
GOGA0375	Yes	00300	OXYGEN, DISSOLVED MG/L	02/14/88-04/10/88	0	2	
GOGA0385	Yes	00300	OXYGEN, DISSOLVED MG/L	02/14/88-04/10/88	0	2	
GOGA0386	Yes	00300	OXYGEN, DISSOLVED MG/L	02/14/88-04/10/88	0	2	
GOGA0414	No	00300	OXYGEN, DISSOLVED MG/L	11/10/77-12/20/78	1	218	
GOGA0138	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/06/95-11/10/95	0	10	
GOGA0143	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/06/95-11/10/95	0	10	
GOGA0147	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-11/21/96	0	2	
GOGA0153	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/06/95-11/10/95	0	10	
GOGA0157	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/11/93-09/18/94	0	25	
GOGA0158	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/11/93-09/18/94	0	12	
GOGA0165	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/06/95-11/10/95	0	10	
GOGA0187	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/09/77-12/21/78	1	348	
GOGA0229	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/09/77-11/08/78	0	6	
GOGA0230	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/09/77-11/08/78	0	28	
GOGA0249	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/08/93-08/05/93	0	3	
GOGA0251	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/29/86-06/08/88	2	6	
GOGA0252	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-03/02/97	0	4	
GOGA0257	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/24/93-08/05/93	0	4	
GOGA0262	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/08/93-08/05/93	0	3	
GOGA0263	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-03/02/97	0	4	
GOGA0264	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/24/93-08/12/93	0	8	
GOGA0265	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/29/86-06/08/88	2	6	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0269	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/30/93-08/12/93	0	3	
GOGA0270	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/24/93-07/22/93	0	5	
GOGA0272	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/30/93-08/12/93	0	3	
GOGA0273	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-03/02/97	0	4	
GOGA0276	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/02/93-08/12/93	0	7	
GOGA0280	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/93-08/12/93	0	4	
GOGA0281	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/93-08/12/93	0	4	
GOGA0300	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/30/86-06/02/88	2	6	
GOGA0304	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/19/96-03/02/97	0	3	
GOGA0305	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/78-12/20/78	0	314	
GOGA0310	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/19/96-03/02/97	0	3	
GOGA0318	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/94-04/25/94	0	2	
GOGA0323	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/86-06/07/88	2	6	
GOGA0324	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/30/86-06/02/88	2	6	
GOGA0327	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-03/02/97	0	4	
GOGA0342	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-03/02/97	0	4	
GOGA0351	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/29/96-03/02/97	0	4	
GOGA0362	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/10/77-11/09/78	0	27	
GOGA0368	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/94-04/25/94	0	2	
GOGA0371	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/29/96-03/02/97	0	4	
GOGA0373	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/86-06/07/88	2	6	
GOGA0382	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	0	1	
GOGA0389	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/94-04/25/94	0	2	
GOGA0408	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/08/95-03/08/95	0	1	
GOGA0409	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	0	1	
GOGA0412	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	0	1	
GOGA0413	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	0	1	
GOGA0414	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/10/77-12/20/78	1	218	
GOGA0175	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	01/23/94-02/17/94	0	3	
GOGA0182	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	01/23/94-02/17/94	0	3	
GOGA0184	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	01/23/94-02/17/94	0	3	
GOGA0186	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	01/23/94-02/17/94	0	3	
GOGA0193	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	01/23/94-02/17/94	0	3	
GOGA0206	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	01/23/94-02/17/94	0	3	
GOGA0209	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	10/07/64-06/22/67	2	17	
GOGA0090	No	00335	COD, .025N K2CR2O7 MG/L	07/27/77-07/27/77	0	1	
GOGA0209	Yes	00335	COD, .025N K2CR2O7 MG/L	10/07/64-06/22/67	2	13	
GOGA0033	No	00340	COD, .25N K2CR2O7 MG/L	08/08/72-08/08/72	0	1	
GOGA0175	Yes	00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	0	3	
GOGA0182	Yes	00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	0	3	
GOGA0184	Yes	00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	0	3	
GOGA0186	Yes	00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	0	3	
GOGA0193	Yes	00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	0	3	
GOGA0206	Yes	00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	0	3	
GOGA0211	No	00340	COD, .25N K2CR2O7 MG/L	05/16/72-05/16/72	0	1	
GOGA0001	No	00400	PH (STANDARD UNITS)	08/29/77-08/29/77	0	1	
GOGA0005	No	00400	PH (STANDARD UNITS)	03/15/74-03/03/75	0	10	
GOGA0011	No	00400	PH (STANDARD UNITS)	03/15/74-03/03/75	0	13	
GOGA0012	No	00400	PH (STANDARD UNITS)	03/26/74-11/12/74	0	10	
GOGA0013	No	00400	PH (STANDARD UNITS)	03/07/69-03/07/69	0	1	
GOGA0016	No	00400	PH (STANDARD UNITS)	03/26/74-03/03/75	0	13	
GOGA0019	No	00400	PH (STANDARD UNITS)	03/26/74-11/12/74	0	10	
GOGA0022	No	00400	PH (STANDARD UNITS)	03/26/74-11/12/74	0	9	
GOGA0024	Yes	00400	PH (STANDARD UNITS)	06/05/72-06/05/72	0	1	
GOGA0032	No	00400	PH (STANDARD UNITS)	03/26/74-03/03/75	0	14	
GOGA0033	No	00400	PH (STANDARD UNITS)	08/08/72-08/08/72	0	3	
GOGA0039	No	00400	PH (STANDARD UNITS)	10/09/63-04/20/64	0	3	
GOGA0040	No	00400	PH (STANDARD UNITS)	03/14/74-04/03/75	1	14	
GOGA0044	No	00400	PH (STANDARD UNITS)	03/14/74-04/02/75	1	9	
GOGA0045	Yes	00400	PH (STANDARD UNITS)	06/05/72-06/05/72	0	1	
GOGA0047	No	00400	PH (STANDARD UNITS)	03/14/74-04/02/75	1	15	
GOGA0053	Yes	00400	PH (STANDARD UNITS)	04/17/51-06/05/72	21	3	
GOGA0057	No	00400	PH (STANDARD UNITS)	03/14/74-04/02/75	1	15	
GOGA0058	No	00400	PH (STANDARD UNITS)	03/14/74-04/02/75	1	15	
GOGA0059	No	00400	PH (STANDARD UNITS)	03/13/74-04/02/75	1	16	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0067	No	00400	PH (STANDARD UNITS)	01/27/53-02/19/75	22	18	
GOGA0070	No	00400	PH (STANDARD UNITS)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00400	PH (STANDARD UNITS)	03/13/74-03/05/75	0	16	
GOGA0073	Yes	00400	PH (STANDARD UNITS)	06/05/72-06/05/72	0	1	
GOGA0079	No	00400	PH (STANDARD UNITS)	01/27/53-06/09/53	0	2	
GOGA0080	No	00400	PH (STANDARD UNITS)	07/17/73-05/05/75	1	19	
GOGA0081	No	00400	PH (STANDARD UNITS)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00400	PH (STANDARD UNITS)	07/17/73-05/05/75	1	20	
GOGA0085	Yes	00400	PH (STANDARD UNITS)	07/17/73-05/05/75	1	20	
GOGA0087	No	00400	PH (STANDARD UNITS)	07/17/73-05/05/75	1	19	
GOGA0090	No	00400	PH (STANDARD UNITS)	07/27/77-07/27/77	0	1	
GOGA0103	No	00400	PH (STANDARD UNITS)	04/11/55-04/29/69	14	4	
GOGA0104	No	00400	PH (STANDARD UNITS)	12/08/88-05/16/89	0	2	
GOGA0106	No	00400	PH (STANDARD UNITS)	11/17/87-05/02/88	0	3	
GOGA0107	No	00400	PH (STANDARD UNITS)	04/11/55-06/05/72	17	3	
GOGA0110	No	00400	PH (STANDARD UNITS)	12/07/88-05/16/89	0	2	
GOGA0117	No	00400	PH (STANDARD UNITS)	05/17/89-05/17/89	0	1	
GOGA0134	No	00400	PH (STANDARD UNITS)	12/06/88-01/08/91	2	4	
GOGA0139	Yes	00400	PH (STANDARD UNITS)	03/14/94-12/30/96	2	79	
GOGA0140	Yes	00400	PH (STANDARD UNITS)	12/08/88-05/15/89	0	2	
GOGA0146	Yes	00400	PH (STANDARD UNITS)	12/06/88-01/08/91	2	4	
GOGA0154	Yes	00400	PH (STANDARD UNITS)	03/14/94-12/30/96	2	78	
GOGA0175	Yes	00400	PH (STANDARD UNITS)	01/23/94-02/06/94	0	2	
GOGA0182	Yes	00400	PH (STANDARD UNITS)	01/23/94-02/06/94	0	2	
GOGA0184	Yes	00400	PH (STANDARD UNITS)	01/23/94-01/23/94	0	1	
GOGA0185	No	00400	PH (STANDARD UNITS)	06/19/75-06/19/75	0	1	
GOGA0186	Yes	00400	PH (STANDARD UNITS)	01/23/94-02/06/94	0	2	
GOGA0187	No	00400	PH (STANDARD UNITS)	02/01/78-12/21/78	0	334	
GOGA0191	No	00400	PH (STANDARD UNITS)	12/15/69-05/11/71	1	17	
GOGA0193	Yes	00400	PH (STANDARD UNITS)	01/23/94-02/06/94	0	2	
GOGA0206	Yes	00400	PH (STANDARD UNITS)	01/23/94-02/06/94	0	2	
GOGA0209	Yes	00400	PH (STANDARD UNITS)	10/07/64-08/12/69	4	33	
GOGA0229	No	00400	PH (STANDARD UNITS)	03/14/78-05/25/78	0	2	
GOGA0230	No	00400	PH (STANDARD UNITS)	03/14/78-05/25/78	0	10	
GOGA0234	No	00400	PH (STANDARD UNITS)	10/19/66-01/31/79	12	115	T,S
GOGA0246	Yes	00400	PH (STANDARD UNITS)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00400	PH (STANDARD UNITS)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	00400	PH (STANDARD UNITS)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00400	PH (STANDARD UNITS)	01/29/86-01/29/86	0	1	
GOGA0287	Yes	00400	PH (STANDARD UNITS)	01/31/72-12/10/72	0	10	
GOGA0299	Yes	00400	PH (STANDARD UNITS)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00400	PH (STANDARD UNITS)	06/25/86-06/02/88	1	5	
GOGA0305	No	00400	PH (STANDARD UNITS)	01/31/78-12/20/78	0	313	
GOGA0321	Yes	00400	PH (STANDARD UNITS)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00400	PH (STANDARD UNITS)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00400	PH (STANDARD UNITS)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00400	PH (STANDARD UNITS)	01/31/86-01/31/86	0	1	
GOGA0362	No	00400	PH (STANDARD UNITS)	03/15/78-05/25/78	0	9	
GOGA0370	Yes	00400	PH (STANDARD UNITS)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00400	PH (STANDARD UNITS)	06/26/86-06/07/88	1	5	
GOGA0414	No	00400	PH (STANDARD UNITS)	01/31/78-12/20/78	0	212	
GOGA0092	No	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	03/14/90-12/03/91	1	106	
GOGA0095	No	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	01/10/89-12/05/89	0	90	
GOGA0096	No	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	01/10/89-12/05/89	0	158	
GOGA0101	No	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	02/21/89-12/03/91	2	139	
GOGA0112	No	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	02/21/89-12/03/91	2	129	
GOGA0124	No	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	02/21/89-12/03/91	2	134	
GOGA0128	No	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	02/21/89-12/03/91	2	136	
GOGA0189	No	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	02/21/89-12/05/89	0	145	
GOGA0005	No	00403	PH, LAB, STANDARD UNITS SU	03/15/74-04/07/75	1	10	
GOGA0011	No	00403	PH, LAB, STANDARD UNITS SU	03/15/74-04/07/75	1	13	
GOGA0012	No	00403	PH, LAB, STANDARD UNITS SU	03/26/74-12/13/74	0	8	
GOGA0013	No	00403	PH, LAB, STANDARD UNITS SU	03/07/69-03/07/69	0	1	
GOGA0016	No	00403	PH, LAB, STANDARD UNITS SU	05/16/74-04/04/75	0	7	
GOGA0019	No	00403	PH, LAB, STANDARD UNITS SU	03/26/74-12/13/74	0	8	
GOGA0022	No	00403	PH, LAB, STANDARD UNITS SU	03/26/74-12/13/74	0	7	
GOGA0027	No	00403	PH, LAB, STANDARD UNITS SU	01/27/54-03/12/54	0	2	
GOGA0032	No	00403	PH, LAB, STANDARD UNITS SU	03/26/74-04/04/75	1	11	
GOGA0036	No	00403	PH, LAB, STANDARD UNITS SU	03/12/54-03/12/54	0	1	
GOGA0039	No	00403	PH, LAB, STANDARD UNITS SU	10/09/63-11/14/63	0	2	
GOGA0040	No	00403	PH, LAB, STANDARD UNITS SU	01/28/53-04/03/75	22	14	
GOGA0044	No	00403	PH, LAB, STANDARD UNITS SU	03/14/74-04/02/75	1	11	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0047	No	00403	PH, LAB, STANDARD UNITS SU	03/14/74-04/02/75	1	13	
GOGA0054	No	00403	PH, LAB, STANDARD UNITS SU	03/10/87-03/10/87	0	1	
GOGA0057	No	00403	PH, LAB, STANDARD UNITS SU	03/14/74-04/02/75	1	14	
GOGA0058	No	00403	PH, LAB, STANDARD UNITS SU	03/14/74-04/02/75	1	13	
GOGA0059	No	00403	PH, LAB, STANDARD UNITS SU	03/13/74-04/02/75	1	14	
GOGA0060	Yes	00403	PH, LAB, STANDARD UNITS SU	02/03/81-05/05/83	2	2	
GOGA0067	No	00403	PH, LAB, STANDARD UNITS SU	01/27/53-04/01/75	22	13	
GOGA0072	Yes	00403	PH, LAB, STANDARD UNITS SU	01/27/53-04/01/75	22	14	
GOGA0079	No	00403	PH, LAB, STANDARD UNITS SU	01/27/53-06/09/53	0	2	
GOGA0080	No	00403	PH, LAB, STANDARD UNITS SU	05/22/73-05/05/75	1	18	
GOGA0081	No	00403	PH, LAB, STANDARD UNITS SU	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00403	PH, LAB, STANDARD UNITS SU	07/17/73-05/05/75	1	17	
GOGA0085	Yes	00403	PH, LAB, STANDARD UNITS SU	05/22/73-05/05/75	1	18	
GOGA0087	No	00403	PH, LAB, STANDARD UNITS SU	07/17/73-05/05/75	1	17	
GOGA0104	No	00403	PH, LAB, STANDARD UNITS SU	12/08/88-05/16/89	0	2	
GOGA0106	No	00403	PH, LAB, STANDARD UNITS SU	11/17/87-05/02/88	0	3	
GOGA0110	No	00403	PH, LAB, STANDARD UNITS SU	12/07/88-05/16/89	0	2	
GOGA0117	No	00403	PH, LAB, STANDARD UNITS SU	05/17/89-05/17/89	0	1	
GOGA0134	No	00403	PH, LAB, STANDARD UNITS SU	12/06/88-04/05/90	1	3	
GOGA0140	Yes	00403	PH, LAB, STANDARD UNITS SU	12/08/88-05/15/89	0	2	
GOGA0146	Yes	00403	PH, LAB, STANDARD UNITS SU	12/06/88-04/05/90	1	3	
GOGA0188	No	00403	PH, LAB, STANDARD UNITS SU	08/20/59-08/20/59	0	2	
GOGA0209	Yes	00403	PH, LAB, STANDARD UNITS SU	10/07/64-06/02/66	1	2	
GOGA0246	Yes	00403	PH, LAB, STANDARD UNITS SU	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00403	PH, LAB, STANDARD UNITS SU	03/22/88-06/08/88	0	2	
GOGA0265	Yes	00403	PH, LAB, STANDARD UNITS SU	03/22/88-06/08/88	0	2	
GOGA0266	Yes	00403	PH, LAB, STANDARD UNITS SU	01/29/86-01/29/86	0	1	
GOGA0271	Yes	00403	PH, LAB, STANDARD UNITS SU	01/06/54-01/06/54	0	1	
GOGA0297	Yes	00403	PH, LAB, STANDARD UNITS SU	01/06/54-01/06/54	0	1	
GOGA0299	Yes	00403	PH, LAB, STANDARD UNITS SU	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00403	PH, LAB, STANDARD UNITS SU	03/22/88-06/02/88	0	2	
GOGA0315	Yes	00403	PH, LAB, STANDARD UNITS SU	01/06/54-01/06/54	0	1	
GOGA0321	Yes	00403	PH, LAB, STANDARD UNITS SU	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00403	PH, LAB, STANDARD UNITS SU	01/05/88-06/07/88	0	2	
GOGA0324	Yes	00403	PH, LAB, STANDARD UNITS SU	03/23/88-06/02/88	0	2	
GOGA0329	Yes	00403	PH, LAB, STANDARD UNITS SU	01/31/86-01/31/86	0	1	
GOGA0359	No	00403	PH, LAB, STANDARD UNITS SU	03/10/54-03/10/54	0	1	
GOGA0370	Yes	00403	PH, LAB, STANDARD UNITS SU	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00403	PH, LAB, STANDARD UNITS SU	01/05/88-06/07/88	0	2	
GOGA0388	No	00403	PH, LAB, STANDARD UNITS SU	03/10/54-03/10/54	0	1	
GOGA0431	No	00403	PH, LAB, STANDARD UNITS SU	03/10/54-03/10/54	0	1	
GOGA0001	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/29/77-08/29/77	0	1	
GOGA0070	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/29/77-08/29/77	0	1	
GOGA0090	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/27/77-07/27/77	0	1	
GOGA0014	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/23/98-01/23/98	0	1	
GOGA0017	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/23/98-01/23/98	0	1	
GOGA0020	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/23/98-10/27/98	0	99	
GOGA0023	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/23/98-01/23/98	0	1	
GOGA0031	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/23/98-01/23/98	0	1	
GOGA0043	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/19/96-11/04/98	2	384	
GOGA0051	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/30/96-11/05/98	2	115	
GOGA0077	Yes	00406	PH, FIELD, STANDARD UNITS SU	03/06/96-11/04/98	2	486	
GOGA0092	No	00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	6	342	
GOGA0095	No	00406	PH, FIELD, STANDARD UNITS SU	01/10/89-12/05/89	0	90	
GOGA0096	No	00406	PH, FIELD, STANDARD UNITS SU	01/10/89-12/05/89	0	158	
GOGA0101	No	00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	7	282	A
GOGA0112	No	00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	7	257	A
GOGA0124	No	00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	7	259	A
GOGA0128	No	00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	7	272	A
GOGA0138	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/06/95-11/10/95	0	10	
GOGA0143	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/06/95-11/10/95	0	10	
GOGA0147	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/24/96-11/21/96	0	2	
GOGA0153	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/06/95-11/10/95	0	10	
GOGA0157	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/11/93-09/18/94	0	5	
GOGA0158	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/11/93-09/18/94	0	5	
GOGA0165	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/06/95-11/10/95	0	10	
GOGA0189	No	00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/05/89	0	145	
GOGA0249	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/08/93-08/05/93	0	3	
GOGA0252	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/24/96-03/02/97	0	4	
GOGA0257	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/24/93-08/05/93	0	4	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0262	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/08/93-08/05/93	0	3	
GOGA0263	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/24/96-03/02/97	0	4	
GOGA0264	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/24/93-08/12/93	0	8	
GOGA0269	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/05/93-08/05/93	0	1	
GOGA0270	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/24/93-07/22/93	0	5	
GOGA0272	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/30/93-08/12/93	0	3	
GOGA0273	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/24/96-03/02/97	0	4	
GOGA0276	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/02/93-08/12/93	0	7	
GOGA0280	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/22/93-08/12/93	0	4	
GOGA0281	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/22/93-08/12/93	0	4	
GOGA0304	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/19/96-03/02/97	0	3	
GOGA0310	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/19/96-03/02/97	0	3	
GOGA0318	Yes	00406	PH, FIELD, STANDARD UNITS SU	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00406	PH, FIELD, STANDARD UNITS SU	03/07/94-04/25/94	0	2	
GOGA0327	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/24/96-03/02/97	0	4	
GOGA0328	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/26/97-03/18/98	0	5	
GOGA0332	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/31/98	0	10	
GOGA0335	No	00406	PH, FIELD, STANDARD UNITS SU	02/14/88-04/10/88	0	2	
GOGA0337	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/31/98	0	10	
GOGA0340	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/31/98	0	10	
GOGA0342	No	00406	PH, FIELD, STANDARD UNITS SU	10/24/96-03/02/97	0	4	
GOGA0343	Yes	00406	PH, FIELD, STANDARD UNITS SU	12/04/97-03/31/98	0	7	
GOGA0351	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/29/96-03/02/97	0	4	
GOGA0360	Yes	00406	PH, FIELD, STANDARD UNITS SU	02/14/88-04/10/88	0	2	
GOGA0361	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/26/97-03/31/98	0	10	
GOGA0367	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/31/98	0	11	
GOGA0368	Yes	00406	PH, FIELD, STANDARD UNITS SU	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00406	PH, FIELD, STANDARD UNITS SU	03/07/94-04/25/94	0	2	
GOGA0371	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/29/96-03/02/97	0	4	
GOGA0372	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/18/98	0	3	
GOGA0375	Yes	00406	PH, FIELD, STANDARD UNITS SU	02/14/88-04/10/88	0	2	
GOGA0379	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/31/98	0	9	
GOGA0382	Yes	00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	0	1	
GOGA0385	Yes	00406	PH, FIELD, STANDARD UNITS SU	02/14/88-04/10/88	0	2	
GOGA0386	Yes	00406	PH, FIELD, STANDARD UNITS SU	02/14/88-04/10/88	0	2	
GOGA0389	Yes	00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00406	PH, FIELD, STANDARD UNITS SU	03/07/94-04/25/94	0	2	
GOGA0408	Yes	00406	PH, FIELD, STANDARD UNITS SU	03/08/95-03/08/95	0	1	
GOGA0409	Yes	00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	0	1	
GOGA0412	No	00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	0	1	
GOGA0413	No	00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	0	1	
GOGA0001	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/29/77-08/29/77	0	1	
GOGA0005	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/15/74-04/07/75	1	10	
GOGA0006	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/23/59-03/23/59	0	1	
GOGA0011	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/15/74-04/07/75	1	13	
GOGA0012	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	0	8	
GOGA0013	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/07/69-03/07/69	0	1	
GOGA0014	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	0	1	
GOGA0016	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/74-04/04/75	1	12	
GOGA0017	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	0	1	
GOGA0019	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	0	8	
GOGA0020	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-10/27/98	0	40	
GOGA0022	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	0	7	
GOGA0023	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	0	1	
GOGA0024	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	0	1	
GOGA0031	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	0	1	
GOGA0032	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/74-04/04/75	1	11	
GOGA0034	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/24/59-03/24/59	0	1	
GOGA0040	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/53-04/03/75	22	14	
GOGA0043	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/96-11/04/98	2	209	
GOGA0044	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	1	11	
GOGA0045	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	0	1	
GOGA0046	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/59-03/29/59	0	1	
GOGA0047	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	1	13	
GOGA0048	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/30/59-03/30/59	0	1	
GOGA0051	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/30/96-11/05/98	2	65	
GOGA0053	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/17/51-06/05/72	21	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0054	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/10/87-03/10/87	0	1	
GOGA0057	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	1	14	
GOGA0058	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	1	13	
GOGA0059	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/74-04/02/75	1	14	
GOGA0067	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/74-04/01/75	1	13	
GOGA0070	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/27/53-04/01/75	22	15	
GOGA0073	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	0	1	
GOGA0075	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/06/98-04/06/98	0	1	
GOGA0077	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/96-11/04/98	2	189	
GOGA0080	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/22/73-05/05/75	1	18	
GOGA0082	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/73-05/05/75	1	17	
GOGA0085	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/22/73-05/05/75	1	18	
GOGA0087	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/73-05/05/75	1	17	
GOGA0090	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/77-07/27/77	0	1	
GOGA0103	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/58-04/29/69	10	3	
GOGA0104	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/08/88-05/16/89	0	2	
GOGA0106	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/17/87-05/02/88	0	3	
GOGA0107	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/58-06/05/72	13	2	
GOGA0110	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/07/88-05/16/89	0	2	
GOGA0117	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/17/89-05/17/89	0	1	
GOGA0134	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/06/88-04/05/90	1	3	
GOGA0138	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/95-11/10/95	0	10	
GOGA0139	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/94-12/30/96	2	80	
GOGA0140	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/08/88-05/15/89	0	2	
GOGA0143	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/95-11/10/95	0	10	
GOGA0146	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/06/88-04/05/90	1	3	
GOGA0153	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/95-11/10/95	0	10	
GOGA0154	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/94-12/30/96	2	79	
GOGA0157	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/11/93-09/18/94	0	5	
GOGA0158	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/11/93-09/18/94	0	5	
GOGA0165	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/95-11/10/95	0	10	
GOGA0188	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/20/59-08/20/59	0	2	
GOGA0246	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/29/86-01/29/86	0	1	
GOGA0249	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/08/93-08/05/93	0	3	
GOGA0251	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/86-06/08/88	1	5	
GOGA0257	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-08/05/93	0	4	
GOGA0262	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/08/93-08/05/93	0	3	
GOGA0264	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-08/05/93	0	4	
GOGA0265	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/29/86-01/29/86	0	1	
GOGA0269	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	0	1	
GOGA0270	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-07/22/93	0	3	
GOGA0272	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	0	1	
GOGA0276	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/08/93-08/05/93	0	3	
GOGA0280	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/22/93-08/05/93	0	2	
GOGA0281	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/22/93-08/05/93	0	2	
GOGA0299	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/86-06/02/88	1	5	
GOGA0318	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/07/94-04/25/94	0	2	
GOGA0321	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	0	1	
GOGA0368	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/07/94-04/25/94	0	2	
GOGA0370	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/86-06/07/88	1	5	
GOGA0382	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	0	1	
GOGA0389	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/07/94-04/25/94	0	2	
GOGA0408	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/08/95-03/08/95	0	1	
GOGA0409	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	0	1	
GOGA0412	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	0	1	
GOGA0413	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	0	1	
GOGA0251	Yes	00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	03/22/88-06/08/88	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0265	Yes	00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	03/22/88-06/08/88	0	2	
GOGA0300	Yes	00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	03/22/88-06/02/88	0	2	
GOGA0323	Yes	00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	01/05/88-06/07/88	0	2	
GOGA0324	Yes	00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	03/23/88-06/02/88	0	2	
GOGA0373	Yes	00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	01/05/88-06/07/88	0	2	
GOGA0106	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	11/17/87-05/02/88	0	3	
GOGA0060	Yes	00420	ALKALINITY, HYDROXIDE (MG/L AS CACO3)	02/03/81-02/03/81	0	1	
GOGA0060	Yes	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	02/03/81-05/05/83	2	2	
GOGA0060	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	02/03/81-05/05/83	2	2	
GOGA0251	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/29/86-07/16/87	1	4	
GOGA0265	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/29/86-06/16/87	1	4	
GOGA0300	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/30/86-06/12/87	1	4	
GOGA0323	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/31/86-06/12/87	1	4	
GOGA0324	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/30/86-06/12/87	1	4	
GOGA0373	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/31/86-06/10/87	1	4	
GOGA0001	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/29/77-08/29/77	0	1	
GOGA0006	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	03/23/59-03/23/59	0	1	
GOGA0024	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	06/05/72-06/05/72	0	1	
GOGA0034	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/24/59-03/24/59	0	1	
GOGA0045	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	06/05/72-06/05/72	0	1	
GOGA0046	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/29/59-03/29/59	0	1	
GOGA0048	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	03/30/59-03/30/59	0	1	
GOGA0053	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	04/17/51-06/05/72	21	3	
GOGA0054	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/10/87-03/10/87	0	1	
GOGA0070	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/29/77-08/29/77	0	1	
GOGA0073	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	06/05/72-06/05/72	0	1	
GOGA0090	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/27/77-07/27/77	0	1	
GOGA0103	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/11/55-04/29/69	14	4	
GOGA0107	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/11/55-06/05/72	17	3	
GOGA0001	No	00445	CARBONATE ION (MG/L AS CO3)	08/29/77-08/29/77	0	1	
GOGA0006	Yes	00445	CARBONATE ION (MG/L AS CO3)	03/23/59-03/23/59	0	1	
GOGA0024	Yes	00445	CARBONATE ION (MG/L AS CO3)	06/05/72-06/05/72	0	1	
GOGA0034	No	00445	CARBONATE ION (MG/L AS CO3)	03/24/59-03/24/59	0	1	
GOGA0045	Yes	00445	CARBONATE ION (MG/L AS CO3)	06/05/72-06/05/72	0	1	
GOGA0046	No	00445	CARBONATE ION (MG/L AS CO3)	03/29/59-03/29/59	0	1	
GOGA0048	Yes	00445	CARBONATE ION (MG/L AS CO3)	03/30/59-03/30/59	0	1	
GOGA0053	Yes	00445	CARBONATE ION (MG/L AS CO3)	04/17/51-06/05/72	21	3	
GOGA0054	No	00445	CARBONATE ION (MG/L AS CO3)	03/10/87-03/10/87	0	1	
GOGA0070	No	00445	CARBONATE ION (MG/L AS CO3)	08/29/77-08/29/77	0	1	
GOGA0073	Yes	00445	CARBONATE ION (MG/L AS CO3)	06/05/72-06/05/72	0	1	
GOGA0090	No	00445	CARBONATE ION (MG/L AS CO3)	07/27/77-07/27/77	0	1	
GOGA0103	No	00445	CARBONATE ION (MG/L AS CO3)	04/11/55-04/29/69	14	4	
GOGA0107	No	00445	CARBONATE ION (MG/L AS CO3)	04/11/55-06/05/72	17	3	
GOGA0106	No	00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	11/17/87-05/02/88	0	3	
GOGA0251	Yes	00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	06/24/86-06/08/88	1	4	
GOGA0265	Yes	00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	03/22/88-06/08/88	0	2	
GOGA0106	No	00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	11/17/87-05/02/88	0	3	
GOGA0251	Yes	00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/29/86-06/08/88	2	6	
GOGA0265	Yes	00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/29/86-06/08/88	2	6	
GOGA0300	Yes	00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/30/86-06/02/88	2	6	
GOGA0323	Yes	00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/31/86-06/07/88	2	6	
GOGA0324	Yes	00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/30/86-06/02/88	2	6	
GOGA0373	Yes	00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/31/86-06/07/88	2	6	
GOGA0092	No	00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	6	355	
GOGA0095	No	00480	SALINITY - PARTS PER THOUSAND	01/10/89-12/05/89	0	90	
GOGA0096	No	00480	SALINITY - PARTS PER THOUSAND	01/10/89-12/05/89	0	158	
GOGA0101	No	00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	7	290	A
GOGA0112	No	00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	7	264	A
GOGA0124	No	00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	7	266	A
GOGA0128	No	00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	7	281	A
GOGA0187	No	00480	SALINITY - PARTS PER THOUSAND	11/09/77-12/21/78	1	352	
GOGA0189	No	00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/05/89	0	145	
GOGA0229	No	00480	SALINITY - PARTS PER THOUSAND	11/09/77-11/08/78	0	6	
GOGA0230	No	00480	SALINITY - PARTS PER THOUSAND	11/09/77-11/08/78	0	28	
GOGA0247	Yes	00480	SALINITY - PARTS PER THOUSAND	08/14/96-08/28/96	0	3	
GOGA0249	Yes	00480	SALINITY - PARTS PER THOUSAND	07/08/93-08/05/93	0	3	
GOGA0253	Yes	00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	0	10	
GOGA0255	Yes	00480	SALINITY - PARTS PER THOUSAND	08/14/96-08/28/96	0	4	
GOGA0256	Yes	00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	0	10	
GOGA0257	Yes	00480	SALINITY - PARTS PER THOUSAND	07/08/93-08/05/93	0	3	
GOGA0259	Yes	00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	0	10	
GOGA0260	Yes	00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	0	10	

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Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0261	Yes	00480	SALINITY - PARTS PER THOUSAND	08/14/96-08/14/96	0	2	
GOGA0305	No	00480	SALINITY - PARTS PER THOUSAND	11/10/77-12/20/78	1	315	
GOGA0312	Yes	00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	0	10	
GOGA0313	Yes	00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	0	10	
GOGA0314	Yes	00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	0	10	
GOGA0317	Yes	00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	0	10	
GOGA0362	No	00480	SALINITY - PARTS PER THOUSAND	11/10/77-11/09/78	0	29	
GOGA0414	No	00480	SALINITY - PARTS PER THOUSAND	11/10/77-12/20/78	1	219	
GOGA0026	Yes	00500	RESIDUE, TOTAL (MG/L)	05/31/06-05/31/06	0	1	
GOGA0035	No	00500	RESIDUE, TOTAL (MG/L)	05/31/06-05/31/06	0	1	
GOGA0052	Yes	00500	RESIDUE, TOTAL (MG/L)	05/31/06-05/31/06	0	1	
GOGA0066	Yes	00500	RESIDUE, TOTAL (MG/L)	05/31/06-05/31/06	0	1	
GOGA0102	No	00500	RESIDUE, TOTAL (MG/L)	07/27/06-07/27/06	0	1	
GOGA0108	No	00500	RESIDUE, TOTAL (MG/L)	07/27/06-07/27/06	0	1	
GOGA0115	No	00500	RESIDUE, TOTAL (MG/L)	07/06/06-07/06/06	0	1	
GOGA0119	No	00500	RESIDUE, TOTAL (MG/L)	07/26/06-07/26/06	0	1	
GOGA0120	No	00500	RESIDUE, TOTAL (MG/L)	07/06/06-07/06/06	0	1	
GOGA0137	Yes	00500	RESIDUE, TOTAL (MG/L)	04/27/06-09/25/06	0	4	
GOGA0192	No	00500	RESIDUE, TOTAL (MG/L)	07/26/06-07/26/06	0	1	
GOGA0194	No	00500	RESIDUE, TOTAL (MG/L)	07/26/06-07/26/06	0	1	
GOGA0005	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/15/74-04/07/75	1	10	
GOGA0011	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/15/74-04/07/75	1	13	
GOGA0012	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/74-12/13/74	0	8	
GOGA0016	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/74-04/04/75	1	11	
GOGA0019	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/74-12/13/74	0	7	
GOGA0022	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/74-12/13/74	0	7	
GOGA0032	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/74-04/04/75	1	11	
GOGA0040	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/14/74-04/03/75	1	12	
GOGA0044	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/14/74-04/02/75	1	11	
GOGA0047	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/14/74-04/02/75	1	13	
GOGA0057	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/14/74-04/02/75	1	14	
GOGA0058	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/14/74-04/02/75	1	13	
GOGA0059	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/13/74-04/02/75	1	14	
GOGA0067	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/13/74-04/01/75	1	13	
GOGA0072	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/13/74-04/01/75	1	13	
GOGA0080	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/73-05/05/75	1	18	
GOGA0082	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/17/73-05/05/75	1	16	
GOGA0085	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/73-05/05/75	1	18	
GOGA0087	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/30/73-05/05/75	1	15	
GOGA0033	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/08/72-08/08/72	0	1	
GOGA0044	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/15/74-05/15/74	0	1	
GOGA0090	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/27/77-07/27/77	0	1	
GOGA0116	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/15/69-09/15/69	0	1	
GOGA0138	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/95-11/10/95	0	10	
GOGA0143	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/95-11/10/95	0	10	
GOGA0147	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-11/21/96	0	2	
GOGA0153	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/95-11/10/95	0	10	
GOGA0165	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/95-11/10/95	0	10	
GOGA0175	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/06/94-02/17/94	0	2	
GOGA0191	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/16/69-05/11/71	1	17	
GOGA0193	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/94-02/17/94	0	3	
GOGA0209	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/07/64-08/12/69	4	30	
GOGA0234	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	7	85	
GOGA0252	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-03/02/97	0	4	
GOGA0263	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-03/02/97	0	4	
GOGA0273	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-03/02/97	0	4	
GOGA0287	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/30/72-12/18/72	0	8	
GOGA0304	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/96-03/02/97	0	3	
GOGA0310	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/96-03/02/97	0	3	
GOGA0316	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	0	2	
GOGA0318	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/95-03/13/95	0	1	
GOGA0320	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	0	2	
GOGA0322	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	0	2	
GOGA0326	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	0	2	
GOGA0327	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-03/02/97	0	4	
GOGA0328	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/26/97-01/12/98	0	4	
GOGA0331	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0332	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-03/31/98	4	17	
GOGA0337	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/97-03/31/98	0	10	
GOGA0338	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	0	2	
GOGA0340	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/97-03/31/98	0	10	
GOGA0342	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-03/02/97	0	4	
GOGA0343	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/97-03/31/98	0	7	
GOGA0349	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	0	2	
GOGA0351	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/29/96-03/02/97	0	4	
GOGA0361	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/26/97-03/31/98	0	9	
GOGA0367	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/97-03/31/98	0	10	
GOGA0368	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/95-03/13/95	0	1	
GOGA0371	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/29/96-03/02/97	0	4	
GOGA0372	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/97-11/26/97	0	2	
GOGA0379	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/97-03/31/98	0	10	
GOGA0408	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/08/95-03/08/95	0	1	
GOGA0026	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/31/06-05/31/06	0	1	
GOGA0035	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/31/06-05/31/06	0	1	
GOGA0052	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/31/06-05/31/06	0	1	
GOGA0066	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/31/06-05/31/06	0	1	
GOGA0090	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/27/77-07/27/77	0	1	
GOGA0102	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/27/06-07/27/06	0	1	
GOGA0108	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/27/06-07/27/06	0	1	
GOGA0115	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/06-07/06/06	0	1	
GOGA0119	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/26/06-07/26/06	0	1	
GOGA0120	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/06-07/06/06	0	1	
GOGA0137	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/27/06-04/27/06	0	1	
GOGA0192	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/26/06-07/26/06	0	1	
GOGA0194	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/26/06-07/26/06	0	1	
GOGA0209	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/07/64-10/07/64	0	1	
GOGA0026	Yes	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/31/06-05/31/06	0	1	
GOGA0035	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/31/06-05/31/06	0	1	
GOGA0052	Yes	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/31/06-05/31/06	0	1	
GOGA0066	Yes	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/31/06-05/31/06	0	1	
GOGA0102	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/27/06-07/27/06	0	1	
GOGA0108	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/27/06-07/27/06	0	1	
GOGA0115	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/06-07/06/06	0	1	
GOGA0119	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/26/06-07/26/06	0	1	
GOGA0120	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/06-07/06/06	0	1	
GOGA0137	Yes	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/27/06-04/27/06	0	1	
GOGA0192	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/26/06-07/26/06	0	1	
GOGA0194	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/26/06-07/26/06	0	1	
GOGA0005	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/15/74-04/07/75	1	10	
GOGA0011	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/15/74-04/07/75	1	10	
GOGA0012	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/26/74-01/07/75	0	8	
GOGA0016	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/26/74-04/04/75	1	11	
GOGA0019	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/26/74-01/07/75	0	9	
GOGA0022	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/26/74-01/07/75	0	6	
GOGA0032	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/26/74-04/04/75	1	14	
GOGA0040	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/14/74-04/03/75	1	11	
GOGA0044	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/14/74-04/02/75	1	9	
GOGA0047	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/14/74-04/02/75	1	14	
GOGA0057	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/14/74-04/02/75	1	12	
GOGA0058	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/14/74-04/02/75	1	12	
GOGA0059	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/13/74-04/02/75	1	12	
GOGA0067	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/13/74-04/01/75	1	16	
GOGA0072	Yes	00545	RESIDUE, SETTLEABLE (ML/L)	03/13/74-04/01/75	1	14	
GOGA0080	No	00545	RESIDUE, SETTLEABLE (ML/L)	10/12/73-04/01/75	1	17	
GOGA0082	Yes	00545	RESIDUE, SETTLEABLE (ML/L)	10/12/73-04/01/75	1	16	
GOGA0085	Yes	00545	RESIDUE, SETTLEABLE (ML/L)	10/12/73-04/01/75	1	16	
GOGA0087	No	00545	RESIDUE, SETTLEABLE (ML/L)	07/17/73-04/01/75	1	17	
GOGA0211	No	00545	RESIDUE, SETTLEABLE (ML/L)	05/17/72-05/17/72	0	2	
GOGA0287	Yes	00545	RESIDUE, SETTLEABLE (ML/L)	01/31/72-12/10/72	0	10	
GOGA0287	Yes	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	01/30/72-12/18/72	0	8	
GOGA0209	Yes	00552	OIL & GREASE (HEXANE EXTRACTION) TOTAL,REC.,MG/L	10/07/64-10/07/64	0	1	
GOGA0090	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/27/77-07/27/77	0	1	
GOGA0092	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	6	84	
GOGA0095	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/10/89-12/05/89	0	36	
GOGA0096	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/10/89-12/05/89	0	36	
GOGA0101	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/89-12/05/89	0	33	
GOGA0104	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/08/88-05/16/89	0	2	
GOGA0110	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/07/88-05/16/89	0	2	
GOGA0112	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/89-11/07/89	0	30	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0117	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/17/89-05/17/89	0	1	
GOGA0124	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/89-12/05/89	0	33	
GOGA0128	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/89-12/05/89	0	33	
GOGA0134	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/06/88-01/08/91	2	4	
GOGA0140	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/08/88-05/15/89	0	2	
GOGA0146	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/06/88-01/08/91	2	4	
GOGA0187	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	0	28	
GOGA0189	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/10/89-12/05/89	0	36	
GOGA0229	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	0	6	
GOGA0230	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	0	28	
GOGA0234	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/31/79-01/31/79	0	1	
GOGA0305	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/10/77-03/15/78	0	2	
GOGA0362	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/10/77-11/09/78	0	28	
GOGA0414	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/10/77-11/09/78	0	9	
GOGA0043	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/97-11/06/97	0	3	
GOGA0051	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/01/97-07/07/98	0	8	
GOGA0116	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0138	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/95-11/10/95	0	10	
GOGA0143	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/95-11/10/95	0	10	
GOGA0147	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/96-11/21/96	0	2	
GOGA0149	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/29/96-07/03/97	0	3	
GOGA0153	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/95-11/10/95	0	10	
GOGA0156	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/97-11/03/97	0	6	
GOGA0157	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/11/93-09/18/94	0	5	
GOGA0158	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/11/93-09/18/94	0	5	
GOGA0160	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/97-07/28/97	0	1	
GOGA0162	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/03/97-07/03/97	0	1	
GOGA0165	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/95-11/10/95	0	10	
GOGA0185	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
GOGA0191	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/69-05/11/71	1	17	
GOGA0209	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/07/64-08/12/69	4	32	
GOGA0223	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0228	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0234	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	11	109	T,S
GOGA0239	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0249	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-08/05/93	0	3	
GOGA0252	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/96-03/02/97	0	3	
GOGA0257	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-08/05/93	0	3	
GOGA0258	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/97-01/25/97	0	1	
GOGA0262	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-08/05/93	0	3	
GOGA0263	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/96-03/02/97	0	4	
GOGA0264	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-08/05/93	0	3	
GOGA0269	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/05/93-08/05/93	0	1	
GOGA0270	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-07/22/93	0	2	
GOGA0272	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/05/93-08/05/93	0	1	
GOGA0273	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/96-03/02/97	0	4	
GOGA0276	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-08/05/93	0	3	
GOGA0280	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/93-08/05/93	0	2	
GOGA0281	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/93-08/05/93	0	2	
GOGA0304	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/96-03/02/97	0	4	
GOGA0310	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/96-03/02/97	0	3	
GOGA0319	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/94-03/07/94	0	1	
GOGA0320	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/31/93-08/31/93	0	3	
GOGA0326	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/31/93-08/31/93	0	3	
GOGA0327	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/96-03/02/97	0	4	
GOGA0332	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/13/97-02/23/98	0	12	
GOGA0333	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/97-01/25/97	0	1	
GOGA0337	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/97-02/17/98	0	6	
GOGA0338	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/31/93-08/31/93	0	3	
GOGA0341	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/98-02/06/98	0	1	
GOGA0342	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/96-03/02/97	0	4	
GOGA0343	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/97-02/17/98	0	6	
GOGA0349	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/31/93-08/31/93	0	3	
GOGA0351	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/29/96-03/02/97	0	4	
GOGA0369	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/94-03/07/94	0	1	
GOGA0371	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/29/96-03/02/97	0	4	
GOGA0407	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/94-03/07/94	0	1	
GOGA0244	Yes	00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	11/23/92-11/23/92	0	1	
GOGA0245	Yes	00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	11/23/92-11/23/92	0	1	
GOGA0248	Yes	00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	11/23/92-11/23/92	0	1	
GOGA0250	Yes	00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	11/23/92-11/23/92	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0104	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/08/88-05/16/89	0	2	
GOGA0110	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/07/88-05/16/89	0	2	
GOGA0117	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/17/89-05/17/89	0	1	
GOGA0134	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/06/88-01/08/91	2	4	
GOGA0140	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/08/88-05/15/89	0	2	
GOGA0146	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/06/88-01/08/91	2	4	
GOGA0187	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	0	28	
GOGA0209	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/07/64-08/12/69	4	21	
GOGA0229	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	0	6	
GOGA0230	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	0	28	
GOGA0234	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-11/14/77	10	15	
GOGA0305	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-07/13/78	0	3	
GOGA0362	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-11/09/78	0	29	
GOGA0414	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-11/09/78	0	9	
GOGA0244	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/23/92-11/23/92	0	1	
GOGA0250	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/23/92-11/23/92	0	1	
GOGA0244	Yes	00616	NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	0	1	
GOGA0245	Yes	00616	NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	0	1	
GOGA0248	Yes	00616	NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	0	1	
GOGA0250	Yes	00616	NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	0	1	
GOGA0005	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/15/74-12/04/74	0	3	
GOGA0011	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/15/74-03/13/75	0	5	
GOGA0012	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/26/74-12/13/74	0	4	
GOGA0016	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/26/74-12/04/74	0	4	
GOGA0019	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/26/74-12/13/74	0	4	
GOGA0022	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/26/74-12/13/74	0	3	
GOGA0024	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/05/72-06/05/72	0	1	
GOGA0032	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/26/74-12/04/74	0	3	
GOGA0040	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/14/74-12/04/74	0	4	
GOGA0044	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/14/74-03/13/75	0	4	
GOGA0045	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/05/72-06/05/72	0	1	
GOGA0047	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/14/74-12/03/74	0	4	
GOGA0053	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/17/51-06/05/72	21	3	
GOGA0057	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/14/74-03/13/75	0	5	
GOGA0058	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/14/74-12/03/74	0	4	
GOGA0059	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/13/74-03/13/75	1	5	
GOGA0067	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/13/74-12/02/74	0	4	
GOGA0072	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/13/74-03/13/75	1	4	
GOGA0073	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/05/72-06/05/72	0	1	
GOGA0080	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/22/73-05/13/74	0	5	
GOGA0082	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/17/73-05/13/74	0	4	
GOGA0085	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/17/73-05/13/74	0	4	
GOGA0087	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/17/73-05/13/74	0	4	
GOGA0103	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/11/55-04/29/69	14	3	
GOGA0107	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/11/55-06/05/72	17	3	
GOGA0116	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0185	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/19/75-06/19/75	0	1	
GOGA0187	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	0	26	
GOGA0191	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/16/69-05/11/71	1	17	
GOGA0209	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/07/64-08/12/69	4	32	
GOGA0223	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0228	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0229	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-07/12/78	0	4	
GOGA0230	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	0	20	
GOGA0234	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	11	109	T,S
GOGA0239	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0244	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/23/92-11/23/92	0	1	
GOGA0250	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/23/92-11/23/92	0	1	
GOGA0258	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/25/97-01/25/97	0	1	
GOGA0304	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/25/97-01/25/97	0	1	
GOGA0305	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-07/13/78	0	3	
GOGA0333	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/25/97-01/25/97	0	1	
GOGA0362	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-11/09/78	0	24	
GOGA0414	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-11/08/78	0	7	
GOGA0026	Yes	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	05/31/06-05/31/06	0	1	
GOGA0035	No	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	05/31/06-05/31/06	0	1	
GOGA0052	Yes	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	05/31/06-05/31/06	0	1	
GOGA0066	Yes	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	05/31/06-05/31/06	0	1	
GOGA0102	No	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/27/06-07/27/06	0	1	
GOGA0108	No	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/27/06-07/27/06	0	1	
GOGA0115	No	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/06/06-07/06/06	0	1	
GOGA0119	No	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/26/06-07/26/06	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0120	No	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/06/06-07/06/06	0	1	
GOGA0137	Yes	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	04/27/06-09/25/06	0	4	
GOGA0192	No	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/26/06-07/26/06	0	1	
GOGA0194	No	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/26/06-07/26/06	0	1	
GOGA0014	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-01/23/98	0	1	
GOGA0017	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-01/23/98	0	1	
GOGA0020	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-10/27/98	0	40	
GOGA0023	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-01/23/98	0	1	
GOGA0031	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-01/23/98	0	1	
GOGA0033	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/08/72-08/08/72	0	1	
GOGA0043	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/96-11/04/98	2	204	
GOGA0051	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/96-11/05/98	2	64	
GOGA0075	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/06/98-04/06/98	0	1	
GOGA0077	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/06/96-11/04/98	2	185	
GOGA0138	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/95-11/10/95	0	10	
GOGA0143	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/95-11/10/95	0	10	
GOGA0149	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/29/96-03/13/97	0	3	
GOGA0153	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/95-11/10/95	0	10	
GOGA0156	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/97-09/30/97	0	2	
GOGA0157	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/11/93-09/18/94	0	5	
GOGA0158	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/11/93-09/18/94	0	5	
GOGA0165	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/95-11/10/95	0	10	
GOGA0211	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/16/72-05/16/72	0	1	
GOGA0249	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/93-08/05/93	0	3	
GOGA0257	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/93-08/05/93	0	4	
GOGA0262	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/93-08/05/93	0	3	
GOGA0264	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/93-08/05/93	0	4	
GOGA0269	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/05/93-08/05/93	0	1	
GOGA0270	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/93-07/22/93	0	3	
GOGA0272	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/05/93-08/05/93	0	1	
GOGA0276	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/93-08/05/93	0	3	
GOGA0280	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/93-08/05/93	0	2	
GOGA0281	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/93-08/05/93	0	2	
GOGA0318	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/94-04/25/94	0	2	
GOGA0368	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/94-04/25/94	0	2	
GOGA0382	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	0	1	
GOGA0389	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/94-04/25/94	0	2	
GOGA0408	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/08/95-03/08/95	0	1	
GOGA0409	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	0	1	
GOGA0412	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	0	1	
GOGA0413	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	0	1	
GOGA0244	Yes	00621	NITRATE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	0	1	
GOGA0245	Yes	00621	NITRATE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	0	1	
GOGA0248	Yes	00621	NITRATE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	0	1	
GOGA0250	Yes	00621	NITRATE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	0	1	
GOGA0033	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/72-08/08/72	0	1	
GOGA0090	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/27/77-07/27/77	0	1	
GOGA0175	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	0	3	
GOGA0211	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/16/72-05/16/72	0	1	
GOGA0116	No	00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0185	No	00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	06/19/75-06/19/75	0	1	
GOGA0191	No	00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	09/16/69-05/11/71	1	17	
GOGA0209	Yes	00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	10/07/64-08/12/69	4	31	
GOGA0223	Yes	00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0228	Yes	00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0234	No	00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	11	109	T,S
GOGA0239	No	00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0090	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/27/77-07/27/77	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0316	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/93-12/14/93	0	2	
GOGA0320	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/31/93-12/14/93	0	5	
GOGA0322	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/93-12/14/93	0	2	
GOGA0326	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/31/93-12/14/93	0	5	
GOGA0331	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/93-12/14/93	0	2	
GOGA0332	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/93-12/11/97	3	4	
GOGA0338	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/31/93-12/14/93	0	5	
GOGA0343	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/97-02/17/98	0	6	
GOGA0349	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/31/93-12/14/93	0	5	
GOGA0001	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/29/77-08/29/77	0	1	
GOGA0070	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/29/77-08/29/77	0	1	
GOGA0090	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/27/77-07/27/77	0	1	
GOGA0104	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/08/88-05/16/89	0	2	
GOGA0106	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/17/87-05/02/88	0	3	
GOGA0110	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/07/88-05/16/89	0	2	
GOGA0117	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/17/89-05/17/89	0	1	
GOGA0134	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/06/88-01/08/91	2	3	
GOGA0140	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/08/88-05/15/89	0	2	
GOGA0146	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/06/88-01/08/91	2	4	
GOGA0187	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/77-11/08/78	0	28	
GOGA0209	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/23/67-08/12/69	2	14	
GOGA0229	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/77-11/08/78	0	6	
GOGA0230	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/77-11/08/78	0	28	
GOGA0234	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/24/67-01/31/79	11	15	
GOGA0246	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/86-06/02/88	1	5	
GOGA0305	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/10/77-07/13/78	0	3	
GOGA0321	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/31/86-01/31/86	0	1	
GOGA0362	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/10/77-11/09/78	0	28	
GOGA0370	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/26/86-06/07/88	1	5	
GOGA0414	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/10/77-11/09/78	0	9	
GOGA0116	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0185	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	06/19/75-06/19/75	0	1	
GOGA0191	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	09/16/69-05/11/71	1	17	
GOGA0209	Yes	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	10/07/64-08/12/69	4	31	
GOGA0223	Yes	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0228	Yes	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0234	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	11	109	T,S
GOGA0239	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	09/15/69-09/15/69	0	1	
GOGA0033	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/08/72-08/08/72	0	1	
GOGA0157	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/16/94-09/18/94	0	3	
GOGA0175	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/06/94-02/17/94	0	2	
GOGA0193	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/23/94-02/17/94	0	3	
GOGA0211	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/16/72-05/16/72	0	1	
GOGA0006	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/23/59-03/23/59	0	1	
GOGA0014	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-01/23/98	0	1	
GOGA0017	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-01/23/98	0	1	
GOGA0020	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-10/27/98	0	40	
GOGA0023	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-01/23/98	0	1	
GOGA0031	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-01/23/98	0	1	
GOGA0034	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/24/59-03/24/59	0	1	
GOGA0043	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/19/96-11/04/98	2	204	
GOGA0046	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/29/59-03/29/59	0	1	
GOGA0048	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/30/59-03/30/59	0	1	
GOGA0051	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/30/96-11/05/98	2	64	
GOGA0075	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/06/98-04/06/98	0	1	
GOGA0077	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/06/96-11/04/98	2	185	
GOGA0138	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/06/95-11/10/95	0	10	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0143	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/06/95-11/10/95	0	10	
GOGA0153	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/06/95-11/10/95	0	10	
GOGA0157	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/11/93-09/18/94	0	5	
GOGA0158	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/11/93-09/18/94	0	5	
GOGA0165	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/06/95-11/10/95	0	10	
GOGA0187	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/09/77-11/08/78	0	28	
GOGA0229	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/09/77-11/08/78	0	6	
GOGA0230	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/09/77-11/08/78	0	28	
GOGA0249	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/08/93-08/05/93	0	3	
GOGA0257	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/24/93-08/05/93	0	4	
GOGA0262	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/08/93-08/05/93	0	3	
GOGA0264	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/24/93-08/05/93	0	4	
GOGA0269	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/05/93-08/05/93	0	1	
GOGA0270	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/24/93-07/22/93	0	3	
GOGA0272	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/05/93-08/05/93	0	1	
GOGA0276	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/08/93-08/05/93	0	3	
GOGA0280	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/22/93-08/05/93	0	2	
GOGA0281	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/22/93-08/05/93	0	2	
GOGA0305	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/10/77-07/13/78	0	3	
GOGA0319	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/07/94-04/25/94	0	2	
GOGA0362	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/10/77-11/09/78	0	28	
GOGA0369	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/07/94-04/25/94	0	2	
GOGA0382	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	0	1	
GOGA0389	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/07/94-04/25/94	0	2	
GOGA0409	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	0	1	
GOGA0412	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	0	1	
GOGA0413	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	0	1	
GOGA0414	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/10/77-11/09/78	0	9	
GOGA0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/15/74-12/04/74	0	3	
GOGA0011	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/15/74-03/13/75	0	5	
GOGA0012	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/74-12/13/74	0	4	
GOGA0016	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/74-12/04/74	0	4	
GOGA0019	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/74-12/13/74	0	4	
GOGA0021	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/98-10/27/98	0	32	
GOGA0022	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/74-12/13/74	0	3	
GOGA0032	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/74-12/04/74	0	3	
GOGA0040	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/14/74-12/04/74	0	4	
GOGA0043	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/98-11/04/98	0	55	
GOGA0044	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/14/74-03/13/75	0	4	
GOGA0047	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/14/74-12/03/74	0	4	
GOGA0051	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/98-11/05/98	0	35	
GOGA0057	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/14/74-03/13/75	0	5	
GOGA0058	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/14/74-12/03/74	0	4	
GOGA0059	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/74-03/13/75	1	5	
GOGA0067	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/74-12/02/74	0	4	
GOGA0072	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/74-12/02/74	0	3	
GOGA0075	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/06/98-04/06/98	0	1	
GOGA0077	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/18/97-11/04/98	1	64	
GOGA0080	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/22/73-05/13/74	0	5	
GOGA0082	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/73-05/13/74	0	4	
GOGA0085	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/73-05/13/74	0	4	
GOGA0087	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/73-05/13/74	0	4	
GOGA0090	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/77-07/27/77	0	1	
GOGA0116	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0149	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/96-07/03/97	0	4	
GOGA0156	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/97-09/30/97	0	3	
GOGA0157	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/16/94-09/18/94	0	3	
GOGA0185	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	0	1	
GOGA0191	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/69-05/11/71	1	17	
GOGA0209	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/07/64-08/12/69	4	31	
GOGA0223	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0228	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0234	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	11	110	T,S
GOGA0239	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0316	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/93-12/14/93	0	2	

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Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0320	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/31/93-12/14/93	0	5	
GOGA0322	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/93-12/14/93	0	2	
GOGA0326	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/31/93-12/14/93	0	5	
GOGA0331	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/93-12/14/93	0	2	
GOGA0332	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/93-12/11/97	3	4	
GOGA0338	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/31/93-12/14/93	0	5	
GOGA0343	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/97-02/17/98	0	6	
GOGA0349	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/31/93-12/14/93	0	5	
GOGA0116	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0191	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/16/69-09/16/69	0	1	
GOGA0223	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0228	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0239	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0116	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0134	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/08/91-01/08/91	0	1	
GOGA0146	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/08/91-01/08/91	0	1	
GOGA0185	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/19/75-06/19/75	0	1	
GOGA0191	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/16/69-05/11/71	1	17	
GOGA0209	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/07/64-08/12/69	4	31	
GOGA0223	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0228	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0234	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	11	110	T,S
GOGA0239	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0246	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/24/86-06/08/88	1	5	
GOGA0258	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/25/97-01/25/97	0	1	
GOGA0265	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/25/86-06/02/88	1	5	
GOGA0304	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/25/97-01/25/97	0	1	
GOGA0321	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/31/86-01/31/86	0	1	
GOGA0333	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/25/97-01/25/97	0	1	
GOGA0370	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/26/86-06/07/88	1	5	
GOGA0116	No	00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0191	No	00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	09/16/69-05/11/71	1	17	
GOGA0209	Yes	00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	08/12/69-08/12/69	0	1	
GOGA0223	Yes	00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0228	Yes	00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0234	No	00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	10	90	T,S
GOGA0239	No	00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	09/15/69-09/15/69	0	1	
GOGA0014	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-01/23/98	0	1	
GOGA0017	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-01/23/98	0	1	
GOGA0020	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-10/27/98	0	33	
GOGA0023	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-01/23/98	0	1	
GOGA0031	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-01/23/98	0	1	
GOGA0043	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/19/96-11/04/98	2	147	
GOGA0051	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/96-11/05/98	2	49	
GOGA0075	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/06/98-04/06/98	0	1	
GOGA0077	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/06/96-11/04/98	2	149	
GOGA0287	Yes	00745	SULFIDE, TOTAL (MG/L AS S)	01/31/72-12/10/72	0	11	
GOGA0092	No	00746	SULFIDE, DISSOLVED (MG/L AS S)	03/14/90-12/03/96	6	28	
GOGA0287	Yes	00746	SULFIDE, DISSOLVED (MG/L AS S)	01/31/72-12/10/72	0	11	
GOGA0001	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/29/77-08/29/77	0	1	
GOGA0005	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/15/74-04/07/75	1	10	
GOGA0006	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/23/59-03/23/59	0	1	
GOGA0011	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/15/74-04/07/75	1	13	
GOGA0012	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	0	8	
GOGA0013	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/07/69-03/07/69	0	1	
GOGA0014	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	0	1	
GOGA0016	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/74-04/04/75	1	12	
GOGA0017	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	0	1	
GOGA0019	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	0	8	
GOGA0020	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-10/27/98	0	40	
GOGA0022	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	0	7	
GOGA0023	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0024	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	0	1	
GOGA0027	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/54-03/12/54	0	2	
GOGA0031	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	0	1	
GOGA0032	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/74-04/04/75	1	11	
GOGA0034	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/24/59-03/24/59	0	1	
GOGA0036	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/12/54-03/12/54	0	1	
GOGA0039	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/09/63-04/24/64	0	10	
GOGA0040	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/53-04/03/75	22	14	
GOGA0043	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/96-11/04/98	2	209	
GOGA0044	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	1	11	
GOGA0045	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	0	1	
GOGA0046	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/59-03/29/59	0	1	
GOGA0047	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	1	13	
GOGA0048	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/30/59-03/30/59	0	1	
GOGA0051	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/96-11/05/98	2	65	
GOGA0053	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/51-06/05/72	21	3	
GOGA0054	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/10/87-03/10/87	0	1	
GOGA0057	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	1	14	
GOGA0058	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	1	13	
GOGA0059	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/74-04/02/75	1	14	
GOGA0060	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/03/81-05/05/83	2	2	
GOGA0067	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/53-04/01/75	22	15	
GOGA0070	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/53-04/01/75	22	15	
GOGA0073	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	0	1	
GOGA0075	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/06/98-04/06/98	0	1	
GOGA0077	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/06/96-11/04/98	2	189	
GOGA0079	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/53-06/09/53	0	2	
GOGA0080	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/73-05/05/75	1	18	
GOGA0081	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/73-05/05/75	1	17	
GOGA0085	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/73-05/05/75	1	18	
GOGA0087	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/73-05/05/75	1	17	
GOGA0090	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/77-07/27/77	0	1	
GOGA0102	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/06-07/27/06	0	1	
GOGA0103	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/19/58-04/29/69	10	3	
GOGA0107	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/19/58-06/05/72	13	2	
GOGA0108	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/06-07/27/06	0	1	
GOGA0115	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/06/06-07/06/06	0	1	
GOGA0119	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/06-07/26/06	0	1	
GOGA0120	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/06/06-07/06/06	0	1	
GOGA0138	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/95-10/30/95	0	2	
GOGA0139	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/94-12/30/96	2	80	
GOGA0143	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/95-10/30/95	0	2	
GOGA0154	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/94-12/30/96	2	79	
GOGA0157	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/16/94-06/15/94	0	2	
GOGA0165	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/95-10/30/95	0	2	
GOGA0192	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/06-07/26/06	0	1	
GOGA0194	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/06-07/26/06	0	1	
GOGA0246	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/86-07/16/87	1	3	
GOGA0265	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/86-06/16/87	0	3	
GOGA0266	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/29/86-01/29/86	0	1	
GOGA0271	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/06/54-01/06/54	0	1	
GOGA0297	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/06/54-01/06/54	0	1	
GOGA0299	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/86-06/12/87	0	3	
GOGA0315	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/06/54-01/06/54	0	1	
GOGA0321	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/26/86-06/12/87	0	3	
GOGA0324	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/86-06/12/87	0	3	
GOGA0329	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	0	1	
GOGA0359	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/10/54-03/10/54	0	1	
GOGA0370	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/26/86-06/10/87	0	3	
GOGA0388	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/10/54-03/10/54	0	1	
GOGA0431	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/10/54-03/10/54	0	1	
GOGA0102	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/27/06-07/27/06	0	1	
GOGA0108	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/27/06-07/27/06	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0115	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/06/06-07/06/06	0	1	
GOGA0119	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	0	1	
GOGA0120	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/06/06-07/06/06	0	1	
GOGA0137	Yes	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	09/11/06-09/25/06	0	3	
GOGA0192	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	0	1	
GOGA0194	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	0	1	
GOGA0001	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/29/77-08/29/77	0	1	
GOGA0006	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/23/59-03/23/59	0	1	
GOGA0034	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/24/59-03/24/59	0	1	
GOGA0046	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/29/59-03/29/59	0	1	
GOGA0048	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/30/59-03/30/59	0	1	
GOGA0070	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/29/77-08/29/77	0	1	
GOGA0090	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/27/77-07/27/77	0	1	
GOGA0102	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/27/06-07/27/06	0	1	
GOGA0108	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/27/06-07/27/06	0	1	
GOGA0115	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/06/06-07/06/06	0	1	
GOGA0119	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	0	1	
GOGA0120	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/06/06-07/06/06	0	1	
GOGA0137	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/11/06-09/25/06	0	3	
GOGA0192	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	0	1	
GOGA0194	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	0	1	
GOGA0246	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/86-07/16/87	1	3	
GOGA0265	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/86-06/16/87	0	3	
GOGA0266	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/25/86-06/12/87	0	3	
GOGA0321	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/26/86-06/12/87	0	3	
GOGA0324	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/25/86-06/12/87	0	3	
GOGA0329	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/26/86-06/10/87	0	3	
GOGA0001	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/29/77-08/29/77	0	1	
GOGA0005	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/15/74-04/07/75	1	10	
GOGA0006	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/23/59-03/23/59	0	1	
GOGA0011	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/15/74-04/07/75	1	13	
GOGA0012	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/74-12/13/74	0	8	
GOGA0016	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/74-04/04/75	1	12	
GOGA0019	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/74-12/13/74	0	8	
GOGA0022	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/74-12/13/74	0	7	
GOGA0024	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/05/72-06/05/72	0	1	
GOGA0027	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/27/54-03/12/54	0	2	
GOGA0032	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/74-04/04/75	1	11	
GOGA0034	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/24/59-03/24/59	0	1	
GOGA0036	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/54-03/12/54	0	1	
GOGA0039	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/09/63-11/14/63	0	2	
GOGA0040	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/53-04/03/75	22	14	
GOGA0044	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/74-04/02/75	1	11	
GOGA0045	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/05/72-06/05/72	0	1	
GOGA0046	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/29/59-03/29/59	0	1	
GOGA0047	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/74-04/02/75	1	13	
GOGA0048	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/30/59-03/30/59	0	1	
GOGA0053	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/17/51-06/05/72	21	3	
GOGA0057	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/74-04/02/75	1	14	
GOGA0058	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/74-04/02/75	1	13	
GOGA0059	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/13/74-04/02/75	1	14	
GOGA0067	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/27/53-04/01/75	22	15	
GOGA0070	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/27/53-04/01/75	22	15	
GOGA0073	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/05/72-06/05/72	0	1	
GOGA0079	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/27/53-06/09/53	0	2	
GOGA0080	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/22/73-05/05/75	1	18	
GOGA0081	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/73-05/05/75	1	17	
GOGA0085	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/22/73-05/05/75	1	18	
GOGA0087	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/73-05/05/75	1	17	
GOGA0090	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/27/77-07/27/77	0	1	
GOGA0103	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/11/55-04/29/69	14	4	
GOGA0104	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/08/88-05/16/89	0	2	
GOGA0106	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/17/87-05/02/88	0	3	
GOGA0107	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/11/55-06/05/72	17	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0110	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/07/88-05/16/89	0	2	
GOGA0117	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/17/89-05/17/89	0	1	
GOGA0134	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/88-04/05/90	1	3	
GOGA0138	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/95-10/30/95	0	2	
GOGA0140	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/08/88-05/15/89	0	2	
GOGA0143	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/95-10/30/95	0	2	
GOGA0146	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/88-04/05/90	1	3	
GOGA0153	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/95-10/30/95	0	2	
GOGA0188	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/59-08/20/59	0	2	
GOGA0246	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/29/86-01/29/86	0	1	
GOGA0249	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/14/93-07/14/93	0	1	
GOGA0251	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/86-06/08/88	1	5	
GOGA0262	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/14/93-07/14/93	0	1	
GOGA0265	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/29/86-01/29/86	0	1	
GOGA0270	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/14/93-07/14/93	0	1	
GOGA0271	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/06/54-01/06/54	0	1	
GOGA0276	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/14/93-07/14/93	0	1	
GOGA0297	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/06/54-01/06/54	0	1	
GOGA0299	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/86-06/02/88	1	5	
GOGA0315	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/06/54-01/06/54	0	1	
GOGA0318	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/07/94-03/07/94	0	1	
GOGA0321	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/31/86-01/31/86	0	1	
GOGA0359	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/10/54-03/10/54	0	1	
GOGA0368	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/07/94-03/07/94	0	1	
GOGA0370	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/26/86-06/07/88	1	5	
GOGA0388	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/10/54-03/10/54	0	1	
GOGA0407	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/08/95-03/08/95	0	1	
GOGA0431	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/10/54-03/10/54	0	1	
GOGA0054	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/10/87-03/10/87	0	1	
GOGA0060	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	02/03/81-05/05/83	2	2	
GOGA0139	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	03/14/94-04/04/96	2	73	
GOGA0154	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	03/14/94-04/04/96	2	73	
GOGA0001	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/29/77-08/29/77	0	1	
GOGA0005	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/15/74-04/07/75	1	10	
GOGA0006	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/23/59-03/23/59	0	1	
GOGA0011	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/15/74-04/07/75	1	13	
GOGA0012	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/74-12/13/74	0	8	
GOGA0016	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/74-04/04/75	1	12	
GOGA0019	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/74-12/13/74	0	8	
GOGA0022	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/74-12/13/74	0	7	
GOGA0024	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/05/72-06/05/72	0	1	
GOGA0027	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/27/54-03/12/54	0	2	
GOGA0032	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/74-04/04/75	1	11	
GOGA0034	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/24/59-03/24/59	0	1	
GOGA0036	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/54-03/12/54	0	1	
GOGA0039	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/09/63-11/14/63	0	2	
GOGA0040	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/53-04/03/75	22	14	
GOGA0044	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/74-04/02/75	1	11	
GOGA0045	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/05/72-06/05/72	0	1	
GOGA0046	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/29/59-03/29/59	0	1	
GOGA0047	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/74-04/02/75	1	13	
GOGA0048	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/30/59-03/30/59	0	1	
GOGA0053	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/17/51-06/05/72	21	3	
GOGA0057	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/74-04/02/75	1	14	
GOGA0058	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/74-04/02/75	1	13	
GOGA0059	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/13/74-04/02/75	1	14	
GOGA0067	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/27/53-04/01/75	22	15	
GOGA0070	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/27/53-04/01/75	22	15	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0073	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/05/72-06/05/72	0	1	
GOGA0079	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/27/53-06/09/53	0	2	
GOGA0080	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/22/73-05/05/75	1	18	
GOGA0081	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/73-05/05/75	1	17	
GOGA0085	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/22/73-05/05/75	1	18	
GOGA0087	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/73-05/05/75	1	17	
GOGA0090	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/27/77-07/27/77	0	1	
GOGA0103	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/11/55-04/29/69	14	4	
GOGA0104	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/08/88-05/16/89	0	2	
GOGA0106	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/17/87-05/02/88	0	3	
GOGA0107	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/11/55-06/05/72	17	3	
GOGA0110	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/07/88-05/16/89	0	2	
GOGA0117	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/17/89-05/17/89	0	1	
GOGA0134	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/88-04/05/90	1	3	
GOGA0138	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/95-10/30/95	0	2	
GOGA0140	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/08/88-05/15/89	0	2	
GOGA0143	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/95-10/30/95	0	2	
GOGA0146	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/88-04/05/90	1	3	
GOGA0153	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/95-10/30/95	0	2	
GOGA0246	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/29/86-01/29/86	0	1	
GOGA0249	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/14/93-07/14/93	0	1	
GOGA0251	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/86-06/08/88	1	5	
GOGA0262	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/14/93-07/14/93	0	1	
GOGA0265	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/29/86-01/29/86	0	1	
GOGA0270	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/14/93-07/14/93	0	1	
GOGA0271	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/06/54-01/06/54	0	1	
GOGA0276	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/14/93-07/14/93	0	1	
GOGA0297	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/06/54-01/06/54	0	1	
GOGA0299	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/86-06/02/88	1	5	
GOGA0315	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/06/54-01/06/54	0	1	
GOGA0318	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/07/94-03/07/94	0	1	
GOGA0321	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/31/86-01/31/86	0	1	
GOGA0359	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/10/54-03/10/54	0	1	
GOGA0368	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/07/94-03/07/94	0	1	
GOGA0370	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/26/86-06/07/88	1	5	
GOGA0388	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/10/54-03/10/54	0	1	
GOGA0407	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/08/95-03/08/95	0	1	
GOGA0431	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/10/54-03/10/54	0	1	
GOGA0054	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/10/87-03/10/87	0	1	
GOGA0060	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/03/81-05/05/83	2	2	
GOGA0139	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/14/94-04/04/96	2	73	
GOGA0154	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/14/94-04/04/96	2	73	
GOGA0054	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/10/87-03/10/87	0	1	
GOGA0060	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	02/03/81-05/05/83	2	2	
GOGA0139	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	03/14/94-04/04/96	2	73	
GOGA0154	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	03/14/94-04/04/96	2	73	
GOGA0001	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/29/77-08/29/77	0	1	
GOGA0005	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/15/74-12/04/74	0	3	
GOGA0011	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/15/74-03/13/75	0	5	
GOGA0012	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/74-12/13/74	0	4	
GOGA0013	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/07/69-03/07/69	0	1	
GOGA0016	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/74-12/04/74	0	4	
GOGA0019	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/74-12/13/74	0	4	
GOGA0022	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/74-12/13/74	0	3	
GOGA0024	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/05/72-06/05/72	0	1	
GOGA0027	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/27/54-03/12/54	0	2	
GOGA0032	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/74-12/04/74	0	3	
GOGA0036	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/54-03/12/54	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0039	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/09/63-11/14/63	0	2	
GOGA0040	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/53-12/04/74	21	6	
GOGA0044	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/74-03/13/75	0	4	
GOGA0045	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/05/72-06/05/72	0	1	
GOGA0047	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/74-12/03/74	0	4	
GOGA0053	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/17/51-06/05/72	21	3	
GOGA0057	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/74-03/13/75	0	5	
GOGA0058	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/74-12/03/74	0	4	
GOGA0059	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/13/74-03/13/75	1	5	
GOGA0067	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/27/53-12/02/74	21	6	
GOGA0070	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/27/53-03/13/75	22	6	
GOGA0073	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/05/72-06/05/72	0	1	
GOGA0079	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/27/53-06/09/53	0	2	
GOGA0080	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/22/73-05/13/74	0	5	
GOGA0081	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/73-05/13/74	0	4	
GOGA0085	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/22/73-05/13/74	0	5	
GOGA0087	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/73-05/13/74	0	4	
GOGA0090	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/27/77-07/27/77	0	1	
GOGA0103	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/11/55-04/29/69	14	4	
GOGA0104	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/08/88-05/16/89	0	2	
GOGA0106	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/17/87-05/02/88	0	3	
GOGA0107	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/11/55-06/05/72	17	3	
GOGA0110	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/07/88-05/16/89	0	2	
GOGA0117	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/17/89-05/17/89	0	1	
GOGA0134	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/06/88-04/05/90	1	3	
GOGA0138	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/95-10/30/95	0	2	
GOGA0140	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/08/88-05/15/89	0	2	
GOGA0143	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/95-10/30/95	0	2	
GOGA0146	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/06/88-04/05/90	1	3	
GOGA0153	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/95-10/30/95	0	2	
GOGA0246	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/29/86-01/29/86	0	1	
GOGA0249	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/14/93-07/14/93	0	1	
GOGA0251	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/86-06/08/88	1	5	
GOGA0262	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/14/93-07/14/93	0	1	
GOGA0265	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/29/86-01/29/86	0	1	
GOGA0270	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/14/93-07/14/93	0	1	
GOGA0271	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/06/54-01/06/54	0	1	
GOGA0276	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/14/93-07/14/93	0	1	
GOGA0297	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/06/54-01/06/54	0	1	
GOGA0299	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/25/86-06/02/88	1	5	
GOGA0315	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/06/54-01/06/54	0	1	
GOGA0318	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/07/94-03/07/94	0	1	
GOGA0321	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/31/86-01/31/86	0	1	
GOGA0359	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/10/54-03/10/54	0	1	
GOGA0368	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/07/94-03/07/94	0	1	
GOGA0370	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/26/86-06/07/88	1	5	
GOGA0388	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/10/54-03/10/54	0	1	
GOGA0407	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/08/95-03/08/95	0	1	
GOGA0431	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/10/54-03/10/54	0	1	
GOGA0001	No	00931	SODIUM ADSORPTION RATIO	08/29/77-08/29/77	0	1	
GOGA0070	No	00931	SODIUM ADSORPTION RATIO	08/29/77-08/29/77	0	1	
GOGA0090	No	00931	SODIUM ADSORPTION RATIO	07/27/77-07/27/77	0	1	
GOGA0246	Yes	00931	SODIUM ADSORPTION RATIO	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00931	SODIUM ADSORPTION RATIO	06/24/86-07/16/87	1	3	
GOGA0265	Yes	00931	SODIUM ADSORPTION RATIO	06/24/86-06/16/87	0	3	
GOGA0266	Yes	00931	SODIUM ADSORPTION RATIO	01/29/86-01/29/86	0	1	
GOGA0299	Yes	00931	SODIUM ADSORPTION RATIO	01/30/86-01/30/86	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0300	Yes	00931	SODIUM ADSORPTION RATIO	06/25/86-06/12/87	0	3	
GOGA0321	Yes	00931	SODIUM ADSORPTION RATIO	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00931	SODIUM ADSORPTION RATIO	06/26/86-06/12/87	0	3	
GOGA0324	Yes	00931	SODIUM ADSORPTION RATIO	06/25/86-06/12/87	0	3	
GOGA0329	Yes	00931	SODIUM ADSORPTION RATIO	01/31/86-01/31/86	0	1	
GOGA0370	Yes	00931	SODIUM ADSORPTION RATIO	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00931	SODIUM ADSORPTION RATIO	06/26/86-06/10/87	0	3	
GOGA0001	No	00932	SODIUM, PERCENT	08/29/77-08/29/77	0	1	
GOGA0070	No	00932	SODIUM, PERCENT	08/29/77-08/29/77	0	1	
GOGA0090	No	00932	SODIUM, PERCENT	07/27/77-07/27/77	0	1	
GOGA0246	Yes	00932	SODIUM, PERCENT	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00932	SODIUM, PERCENT	06/24/86-07/16/87	1	3	
GOGA0265	Yes	00932	SODIUM, PERCENT	06/24/86-06/16/87	0	3	
GOGA0266	Yes	00932	SODIUM, PERCENT	01/29/86-01/29/86	0	1	
GOGA0299	Yes	00932	SODIUM, PERCENT	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00932	SODIUM, PERCENT	06/25/86-06/12/87	0	3	
GOGA0321	Yes	00932	SODIUM, PERCENT	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00932	SODIUM, PERCENT	06/26/86-06/12/87	0	3	
GOGA0324	Yes	00932	SODIUM, PERCENT	06/25/86-06/12/87	0	3	
GOGA0329	Yes	00932	SODIUM, PERCENT	01/31/86-01/31/86	0	1	
GOGA0370	Yes	00932	SODIUM, PERCENT	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00932	SODIUM, PERCENT	06/26/86-06/10/87	0	3	
GOGA0001	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/29/77-08/29/77	0	1	
GOGA0005	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/15/74-12/04/74	0	3	
GOGA0006	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/23/59-03/23/59	0	1	
GOGA0011	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/15/74-03/13/75	0	5	
GOGA0012	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/26/74-12/13/74	0	4	
GOGA0016	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/26/74-12/04/74	0	4	
GOGA0019	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/26/74-12/13/74	0	4	
GOGA0022	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/26/74-12/13/74	0	3	
GOGA0024	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/05/72-06/05/72	0	1	
GOGA0027	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/27/54-03/12/54	0	2	
GOGA0032	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/26/74-12/04/74	0	3	
GOGA0034	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/24/59-03/24/59	0	1	
GOGA0036	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/54-03/12/54	0	1	
GOGA0039	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/09/63-11/14/63	0	2	
GOGA0040	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/53-12/04/74	21	6	
GOGA0044	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/74-03/13/75	0	4	
GOGA0045	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/05/72-06/05/72	0	1	
GOGA0046	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/29/59-03/29/59	0	1	
GOGA0047	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/74-12/03/74	0	4	
GOGA0048	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/30/59-03/30/59	0	1	
GOGA0053	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/19/58-06/05/72	13	2	
GOGA0057	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/74-03/13/75	0	5	
GOGA0058	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/74-12/03/74	0	4	
GOGA0059	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/13/74-03/13/75	1	5	
GOGA0067	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/27/53-12/02/74	21	6	
GOGA0070	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/27/53-03/13/75	22	6	
GOGA0073	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/05/72-06/05/72	0	1	
GOGA0079	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/27/53-06/09/53	0	2	
GOGA0080	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/22/73-05/13/74	0	5	
GOGA0081	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/73-05/13/74	0	4	
GOGA0085	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/22/73-05/13/74	0	5	
GOGA0087	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/73-05/13/74	0	4	
GOGA0090	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/27/77-07/27/77	0	1	
GOGA0103	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/19/58-04/29/69	10	3	
GOGA0104	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/08/88-05/16/89	0	2	
GOGA0106	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/17/87-05/02/88	0	3	
GOGA0107	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/19/58-06/05/72	13	2	
GOGA0110	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/07/88-05/16/89	0	2	
GOGA0117	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/17/89-05/17/89	0	1	
GOGA0134	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/06/88-04/05/90	1	3	
GOGA0138	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/95-10/30/95	0	2	
GOGA0140	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/08/88-05/15/89	0	2	
GOGA0143	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/95-10/30/95	0	2	
GOGA0146	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/06/88-04/05/90	1	3	
GOGA0153	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/95-10/30/95	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0173	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/95-10/30/95	0	2	
GOGA0246	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/29/86-01/29/86	0	1	
GOGA0249	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/14/93-07/14/93	0	1	
GOGA0251	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/86-06/08/88	1	5	
GOGA0262	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/14/93-07/14/93	0	1	
GOGA0265	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/29/86-01/29/86	0	1	
GOGA0270	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/14/93-07/14/93	0	1	
GOGA0271	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/06/54-01/06/54	0	1	
GOGA0276	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/14/93-07/14/93	0	1	
GOGA0297	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/06/54-01/06/54	0	1	
GOGA0299	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/25/86-06/02/88	1	5	
GOGA0315	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/06/54-01/06/54	0	1	
GOGA0318	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/07/94-03/07/94	0	1	
GOGA0321	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/31/86-01/31/86	0	1	
GOGA0359	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/10/54-03/10/54	0	1	
GOGA0368	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/07/94-03/07/94	0	1	
GOGA0370	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/26/86-06/07/88	1	5	
GOGA0388	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/10/54-03/10/54	0	1	
GOGA0407	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/08/95-03/08/95	0	1	
GOGA0431	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/10/54-03/10/54	0	1	
GOGA0054	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/10/87-03/10/87	0	1	
GOGA0060	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	02/03/81-05/05/83	2	2	
GOGA0139	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	03/14/94-04/04/96	2	73	
GOGA0154	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	03/14/94-04/04/96	2	73	
GOGA0001	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/29/77-08/29/77	0	1	
GOGA0014	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-01/23/98	0	1	
GOGA0017	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-01/23/98	0	1	
GOGA0020	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-10/27/98	0	40	
GOGA0023	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-01/23/98	0	1	
GOGA0026	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/06-05/31/06	0	1	
GOGA0031	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-01/23/98	0	1	
GOGA0035	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/06-05/31/06	0	1	
GOGA0043	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/96-11/04/98	2	204	
GOGA0051	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/30/96-11/05/98	2	64	
GOGA0052	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/06-05/31/06	0	1	
GOGA0054	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/10/87-03/10/87	0	1	
GOGA0060	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/81-05/05/83	2	2	
GOGA0066	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/06-05/31/06	0	1	
GOGA0070	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/29/77-08/29/77	0	1	
GOGA0075	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/06/98-04/06/98	0	1	
GOGA0077	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/06/96-11/04/98	2	185	
GOGA0090	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/27/77-07/27/77	0	1	
GOGA0102	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/27/06-07/27/06	0	1	
GOGA0104	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/08/88-05/16/89	0	2	
GOGA0106	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/17/87-05/02/88	0	3	
GOGA0108	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/27/06-07/27/06	0	1	
GOGA0110	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/07/88-05/16/89	0	2	
GOGA0115	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/06-07/06/06	0	1	
GOGA0117	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/17/89-05/17/89	0	1	
GOGA0119	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/06-07/26/06	0	1	
GOGA0120	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/06-07/06/06	0	1	
GOGA0134	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/06/88-04/05/90	1	3	
GOGA0137	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/27/06-09/25/06	0	4	
GOGA0138	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/95-11/10/95	0	10	
GOGA0139	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/14/94-12/30/96	2	80	
GOGA0140	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/08/88-05/15/89	0	2	
GOGA0143	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/95-11/10/95	0	10	
GOGA0146	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/06/88-04/05/90	1	3	
GOGA0153	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/95-11/10/95	0	10	
GOGA0154	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/14/94-12/30/96	2	79	
GOGA0165	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/95-11/10/95	0	10	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0192	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/06-07/26/06	0	1	
GOGA0194	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/06-07/26/06	0	1	
GOGA0246	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/29/86-01/29/86	0	1	
GOGA0249	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/08/93-08/05/93	0	2	
GOGA0251	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/86-06/08/88	1	5	
GOGA0257	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/08/93-08/05/93	0	2	
GOGA0262	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/08/93-08/05/93	0	2	
GOGA0264	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/93-08/05/93	0	3	
GOGA0265	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/29/86-01/29/86	0	1	
GOGA0269	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/05/93-08/05/93	0	1	
GOGA0270	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/93-07/08/93	0	2	
GOGA0272	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/05/93-08/05/93	0	1	
GOGA0276	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/08/93-08/05/93	0	2	
GOGA0280	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/05/93-08/05/93	0	1	
GOGA0281	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/05/93-08/05/93	0	1	
GOGA0299	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/86-06/02/88	1	5	
GOGA0318	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/07/94-04/25/94	0	2	
GOGA0321	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/86-01/31/86	0	1	
GOGA0368	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/07/94-04/25/94	0	2	
GOGA0370	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/26/86-06/07/88	1	5	
GOGA0382	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	0	1	
GOGA0389	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/07/94-04/25/94	0	2	
GOGA0408	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/08/95-03/08/95	0	1	
GOGA0409	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	0	1	
GOGA0412	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	0	1	
GOGA0413	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	0	1	
GOGA0005	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/15/74-04/07/75	1	10	
GOGA0011	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/15/74-04/07/75	1	13	
GOGA0012	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/26/74-12/13/74	0	8	
GOGA0013	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/07/69-03/07/69	0	1	
GOGA0016	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/26/74-04/04/75	1	12	
GOGA0019	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/26/74-12/13/74	0	8	
GOGA0022	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/26/74-12/13/74	0	7	
GOGA0024	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/05/72-06/05/72	0	1	
GOGA0027	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/27/54-03/12/54	0	2	
GOGA0032	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/26/74-04/04/75	1	11	
GOGA0036	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/12/54-03/12/54	0	1	
GOGA0039	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/09/63-04/24/64	0	9	
GOGA0040	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/53-04/03/75	22	14	
GOGA0044	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/74-04/02/75	1	11	
GOGA0045	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/05/72-06/05/72	0	1	
GOGA0047	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/74-04/02/75	1	13	
GOGA0053	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/17/51-06/05/72	21	3	
GOGA0057	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/74-04/02/75	1	14	
GOGA0058	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/74-04/02/75	1	13	
GOGA0059	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/13/74-04/02/75	1	14	
GOGA0067	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/27/53-04/01/75	22	15	
GOGA0072	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/27/53-04/01/75	22	15	
GOGA0073	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/05/72-06/05/72	0	1	
GOGA0079	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/27/53-06/09/53	0	2	
GOGA0080	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/22/73-05/05/75	1	18	
GOGA0081	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/17/73-05/05/75	1	17	
GOGA0085	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/22/73-05/05/75	1	18	
GOGA0087	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/17/73-05/05/75	1	17	
GOGA0103	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/11/55-04/29/69	14	4	
GOGA0107	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/11/55-06/05/72	17	3	
GOGA0180	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/19/85-06/04/86	1	18	
GOGA0188	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/20/59-08/20/59	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0191	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/16/69-05/11/71	1	17	
GOGA0209	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/07/64-08/12/69	4	32	
GOGA0234	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	12	113	T,A,S
GOGA0271	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/06/54-01/06/54	0	1	
GOGA0297	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/06/54-01/06/54	0	1	
GOGA0315	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/06/54-01/06/54	0	1	
GOGA0359	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/10/54-03/10/54	0	1	
GOGA0388	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/10/54-03/10/54	0	1	
GOGA0431	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/10/54-03/10/54	0	1	
GOGA0001	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/29/77-08/29/77	0	1	
GOGA0014	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-01/23/98	0	1	
GOGA0017	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-01/23/98	0	1	
GOGA0020	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-03/27/98	0	12	
GOGA0023	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-01/23/98	0	1	
GOGA0031	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-01/23/98	0	1	
GOGA0043	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/96-04/06/98	1	142	
GOGA0051	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/30/96-04/17/98	1	34	
GOGA0054	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/10/87-03/10/87	0	1	
GOGA0060	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/81-05/05/83	2	2	
GOGA0070	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/29/77-08/29/77	0	1	
GOGA0077	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/06/96-04/06/98	2	131	
GOGA0090	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/77-07/27/77	0	1	
GOGA0104	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/88-05/16/89	0	2	
GOGA0106	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/17/87-05/02/88	0	3	
GOGA0110	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/07/88-05/16/89	0	2	
GOGA0117	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/17/89-05/17/89	0	1	
GOGA0134	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/06/88-04/05/90	1	3	
GOGA0138	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/95-11/10/95	0	10	
GOGA0139	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/14/94-12/30/96	2	80	
GOGA0140	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/88-05/15/89	0	2	
GOGA0143	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/95-11/10/95	0	10	
GOGA0146	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/06/88-04/05/90	1	3	
GOGA0153	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/95-11/10/95	0	10	
GOGA0154	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/14/94-12/30/96	2	79	
GOGA0157	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/11/93-09/18/94	0	5	
GOGA0158	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/11/93-09/18/94	0	5	
GOGA0165	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/95-11/10/95	0	10	
GOGA0173	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/95-11/10/95	0	10	
GOGA0246	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/29/86-01/29/86	0	1	
GOGA0249	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/08/93-08/05/93	0	3	
GOGA0251	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/86-06/08/88	1	5	
GOGA0257	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-08/05/93	0	4	
GOGA0262	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/08/93-08/05/93	0	3	
GOGA0264	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-08/05/93	0	4	
GOGA0265	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/29/86-01/29/86	0	1	
GOGA0269	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/93-08/05/93	0	1	
GOGA0270	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-07/22/93	0	3	
GOGA0272	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/93-08/05/93	0	1	
GOGA0276	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/08/93-08/05/93	0	3	
GOGA0280	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/93-08/05/93	0	2	
GOGA0281	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/93-08/05/93	0	2	
GOGA0299	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/86-06/02/88	1	5	
GOGA0318	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/07/94-04/25/94	0	2	
GOGA0321	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/86-01/31/86	0	1	
GOGA0368	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/07/94-04/25/94	0	2	
GOGA0370	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/26/86-06/07/88	1	5	
GOGA0382	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	0	1	
GOGA0383	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	0	1	
GOGA0389	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	0	1	
GOGA0390	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	0	1	
GOGA0404	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	0	1	
GOGA0407	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/07/94-04/25/94	0	2	
GOGA0408	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/08/95-03/08/95	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0409	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	0	1	
GOGA0410	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	0	1	
GOGA0412	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	0	1	
GOGA0413	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	0	1	
GOGA0005	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/15/74-04/07/75	1	10	
GOGA0011	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/15/74-04/07/75	1	13	
GOGA0012	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/26/74-12/13/74	0	8	
GOGA0013	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/07/69-03/07/69	0	1	
GOGA0016	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/26/74-04/04/75	1	12	
GOGA0019	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/26/74-12/13/74	0	8	
GOGA0022	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/26/74-12/13/74	0	7	
GOGA0024	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/05/72-06/05/72	0	1	
GOGA0027	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/27/54-03/12/54	0	2	
GOGA0032	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/26/74-04/04/75	1	11	
GOGA0036	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/12/54-03/12/54	0	1	
GOGA0039	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	10/09/63-11/14/63	0	2	
GOGA0040	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/53-04/03/75	22	14	
GOGA0044	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/74-04/02/75	1	11	
GOGA0045	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/05/72-06/05/72	0	1	
GOGA0047	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/74-04/02/75	1	13	
GOGA0053	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/17/51-06/05/72	21	3	
GOGA0057	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/74-04/02/75	1	14	
GOGA0058	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/74-04/02/75	1	13	
GOGA0059	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/13/74-04/02/75	1	14	
GOGA0067	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/27/53-04/01/75	22	15	
GOGA0072	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/27/53-04/01/75	22	15	
GOGA0073	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/05/72-06/05/72	0	1	
GOGA0079	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/27/53-06/09/53	0	2	
GOGA0080	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/22/73-05/05/75	1	18	
GOGA0081	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/17/73-05/05/75	1	17	
GOGA0085	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/22/73-05/05/75	1	18	
GOGA0087	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/17/73-05/05/75	1	17	
GOGA0103	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/11/55-04/29/69	14	4	
GOGA0107	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/11/55-06/05/72	17	3	
GOGA0188	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/20/59-08/20/59	0	2	
GOGA0271	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/06/54-01/06/54	0	1	
GOGA0297	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/06/54-01/06/54	0	1	
GOGA0315	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/06/54-01/06/54	0	1	
GOGA0359	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/10/54-03/10/54	0	1	
GOGA0388	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/10/54-03/10/54	0	1	
GOGA0431	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/10/54-03/10/54	0	1	
GOGA0001	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/29/77-08/29/77	0	1	
GOGA0005	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/74-12/04/74	0	2	
GOGA0006	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/23/59-03/23/59	0	1	
GOGA0011	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/74-03/13/75	0	4	
GOGA0012	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/74-12/13/74	0	3	
GOGA0016	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/74-12/04/74	0	3	
GOGA0019	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/74-12/13/74	0	3	
GOGA0022	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/74-12/13/74	0	2	
GOGA0024	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/05/72-06/05/72	0	1	
GOGA0027	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/27/54-03/12/54	0	2	
GOGA0032	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/26/74-12/04/74	0	3	
GOGA0034	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/24/59-03/24/59	0	1	
GOGA0036	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/12/54-03/12/54	0	1	
GOGA0039	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/63-10/09/63	0	1	
GOGA0040	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/53-12/04/74	21	5	
GOGA0044	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/15/74-03/13/75	0	3	
GOGA0045	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/05/72-06/05/72	0	1	
GOGA0046	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/29/59-03/29/59	0	1	
GOGA0047	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/14/74-12/03/74	0	4	
GOGA0048	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/30/59-03/30/59	0	1	
GOGA0053	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/17/51-06/05/72	21	3	
GOGA0057	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/14/74-03/13/75	0	4	
GOGA0058	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/14/74-12/03/74	0	3	
GOGA0059	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/14/74-03/13/75	0	4	
GOGA0067	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/27/53-12/02/74	21	6	
GOGA0070	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/27/53-03/13/75	22	6	
GOGA0073	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/05/72-06/05/72	0	1	
GOGA0079	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/27/53-06/09/53	0	2	
GOGA0080	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/22/73-05/13/74	0	4	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0081	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/73-05/13/74	0	3	
GOGA0085	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/22/73-05/13/74	0	5	
GOGA0087	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/73-05/13/74	0	3	
GOGA0090	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/27/77-07/27/77	0	1	
GOGA0103	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/19/58-04/29/69	10	3	
GOGA0104	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/08/88-05/16/89	0	2	
GOGA0106	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/17/87-05/02/88	0	3	
GOGA0107	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/19/58-06/05/72	13	2	
GOGA0110	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/07/88-05/16/89	0	2	
GOGA0117	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/89-05/17/89	0	1	
GOGA0134	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/06/88-04/05/90	1	3	
GOGA0140	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/08/88-05/15/89	0	2	
GOGA0146	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/06/88-04/05/90	1	3	
GOGA0246	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/29/86-01/29/86	0	1	
GOGA0271	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/06/54-01/06/54	0	1	
GOGA0297	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/06/54-01/06/54	0	1	
GOGA0299	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/25/86-06/02/88	1	5	
GOGA0315	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/06/54-01/06/54	0	1	
GOGA0321	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/31/86-01/31/86	0	1	
GOGA0359	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/10/54-03/10/54	0	1	
GOGA0370	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/26/86-06/07/88	1	5	
GOGA0388	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/10/54-03/10/54	0	1	
GOGA0431	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/10/54-03/10/54	0	1	
GOGA0014	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-01/23/98	0	1	
GOGA0017	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-01/23/98	0	1	
GOGA0020	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-02/25/98	0	8	
GOGA0023	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-01/23/98	0	1	
GOGA0031	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-01/23/98	0	1	
GOGA0043	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	06/19/96-04/06/98	1	130	
GOGA0051	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	07/30/96-03/04/98	1	24	
GOGA0054	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/10/87-03/10/87	0	1	
GOGA0060	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	02/03/81-05/05/83	2	2	
GOGA0077	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	03/06/96-02/24/98	1	121	
GOGA0139	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	03/14/94-12/30/96	2	80	
GOGA0154	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	03/14/94-12/30/96	2	79	
GOGA0001	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/29/77-08/29/77	0	1	
GOGA0006	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/23/59-03/23/59	0	1	
GOGA0024	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/05/72-06/05/72	0	1	
GOGA0027	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/27/54-03/12/54	0	2	
GOGA0034	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/24/59-03/24/59	0	1	
GOGA0036	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/12/54-03/12/54	0	1	
GOGA0039	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/09/63-10/09/63	0	1	
GOGA0040	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/28/53-06/09/53	0	2	
GOGA0045	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/05/72-06/05/72	0	1	
GOGA0046	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/29/59-03/29/59	0	1	
GOGA0048	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/30/59-03/30/59	0	1	
GOGA0053	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/51-06/05/72	21	3	
GOGA0067	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/27/53-06/09/53	0	2	
GOGA0070	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/27/53-01/27/53	0	1	
GOGA0073	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/05/72-06/05/72	0	1	
GOGA0079	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/27/53-06/09/53	0	2	
GOGA0081	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/27/53-06/09/53	0	2	
GOGA0090	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/27/77-07/27/77	0	1	
GOGA0103	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/11/55-04/29/69	14	4	
GOGA0104	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/08/88-05/16/89	0	2	
GOGA0106	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/17/87-05/02/88	0	3	
GOGA0107	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/11/55-06/05/72	17	3	
GOGA0110	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/07/88-05/16/89	0	2	
GOGA0117	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/17/89-05/17/89	0	1	
GOGA0134	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/06/88-04/05/90	1	3	
GOGA0140	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/08/88-05/15/89	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0146	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/06/88-04/05/90	1	3	
GOGA0187	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/09/77-11/08/78	0	28	
GOGA0188	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/20/59-08/20/59	0	2	
GOGA0229	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/09/77-11/08/78	0	6	
GOGA0230	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/09/77-11/08/78	0	28	
GOGA0246	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/29/86-01/29/86	0	1	
GOGA0271	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/06/54-01/06/54	0	1	
GOGA0297	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/06/54-01/06/54	0	1	
GOGA0299	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/25/86-06/02/88	1	5	
GOGA0305	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/10/77-07/13/78	0	3	
GOGA0315	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/06/54-01/06/54	0	1	
GOGA0321	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/31/86-01/31/86	0	1	
GOGA0359	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/10/54-03/10/54	0	1	
GOGA0362	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/10/77-11/09/78	0	28	
GOGA0370	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/26/86-06/07/88	1	5	
GOGA0388	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/10/54-03/10/54	0	1	
GOGA0414	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/10/77-11/09/78	0	9	
GOGA0431	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/10/54-03/10/54	0	1	
GOGA0040	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/28/53-06/09/53	0	2	
GOGA0067	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/27/53-06/09/53	0	2	
GOGA0072	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/27/53-01/27/53	0	1	
GOGA0079	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/27/53-06/09/53	0	2	
GOGA0081	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/27/53-06/09/53	0	2	
GOGA0138	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/08/95-03/08/95	0	1	
GOGA0139	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	03/14/94-12/30/96	2	82	
GOGA0154	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	03/14/94-12/30/96	2	82	
GOGA0175	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	0	3	
GOGA0246	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	06/25/86-06/02/88	1	5	
GOGA0321	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	06/26/86-06/07/88	1	5	
GOGA0138	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/16/94-09/18/94	0	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0158	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/08/95-03/08/95	0	1	
GOGA0139	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	03/14/94-12/30/96	2	82	
GOGA0154	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	03/14/94-12/30/96	2	82	
GOGA0175	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	0	3	
GOGA0001	No	01020	BORON, DISSOLVED (UG/L AS B)	08/29/77-08/29/77	0	1	
GOGA0005	No	01020	BORON, DISSOLVED (UG/L AS B)	05/16/74-12/04/74	0	2	
GOGA0006	Yes	01020	BORON, DISSOLVED (UG/L AS B)	03/23/59-03/23/59	0	1	
GOGA0011	No	01020	BORON, DISSOLVED (UG/L AS B)	05/16/74-03/13/75	0	4	
GOGA0012	No	01020	BORON, DISSOLVED (UG/L AS B)	05/17/74-12/13/74	0	3	
GOGA0016	No	01020	BORON, DISSOLVED (UG/L AS B)	05/16/74-12/04/74	0	3	
GOGA0019	No	01020	BORON, DISSOLVED (UG/L AS B)	05/17/74-12/13/74	0	3	
GOGA0022	No	01020	BORON, DISSOLVED (UG/L AS B)	05/17/74-12/13/74	0	2	
GOGA0024	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/05/72-06/05/72	0	1	
GOGA0027	No	01020	BORON, DISSOLVED (UG/L AS B)	01/27/54-03/12/54	0	2	
GOGA0032	No	01020	BORON, DISSOLVED (UG/L AS B)	05/16/74-12/04/74	0	2	
GOGA0034	No	01020	BORON, DISSOLVED (UG/L AS B)	03/24/59-03/24/59	0	1	
GOGA0036	No	01020	BORON, DISSOLVED (UG/L AS B)	03/12/54-03/12/54	0	1	
GOGA0039	No	01020	BORON, DISSOLVED (UG/L AS B)	10/09/63-04/20/64	0	3	
GOGA0040	No	01020	BORON, DISSOLVED (UG/L AS B)	01/28/53-12/04/74	21	5	
GOGA0044	No	01020	BORON, DISSOLVED (UG/L AS B)	05/15/74-03/13/75	0	3	
GOGA0045	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/05/72-06/05/72	0	1	
GOGA0046	No	01020	BORON, DISSOLVED (UG/L AS B)	03/29/59-03/29/59	0	1	
GOGA0047	No	01020	BORON, DISSOLVED (UG/L AS B)	05/15/74-12/03/74	0	3	
GOGA0048	Yes	01020	BORON, DISSOLVED (UG/L AS B)	03/30/59-03/30/59	0	1	
GOGA0053	Yes	01020	BORON, DISSOLVED (UG/L AS B)	04/17/51-06/05/72	21	2	
GOGA0057	No	01020	BORON, DISSOLVED (UG/L AS B)	05/14/74-03/13/75	0	3	
GOGA0058	No	01020	BORON, DISSOLVED (UG/L AS B)	05/14/74-12/03/74	0	3	
GOGA0059	No	01020	BORON, DISSOLVED (UG/L AS B)	05/14/74-03/13/75	0	4	
GOGA0067	No	01020	BORON, DISSOLVED (UG/L AS B)	01/27/53-12/02/74	21	5	
GOGA0070	No	01020	BORON, DISSOLVED (UG/L AS B)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/27/53-12/02/74	21	4	
GOGA0073	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/05/72-06/05/72	0	1	
GOGA0079	No	01020	BORON, DISSOLVED (UG/L AS B)	01/27/53-06/09/53	0	2	
GOGA0080	No	01020	BORON, DISSOLVED (UG/L AS B)	02/21/74-05/13/74	0	2	
GOGA0081	No	01020	BORON, DISSOLVED (UG/L AS B)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	01020	BORON, DISSOLVED (UG/L AS B)	02/21/74-05/13/74	0	2	
GOGA0085	Yes	01020	BORON, DISSOLVED (UG/L AS B)	02/21/74-05/13/74	0	2	
GOGA0087	No	01020	BORON, DISSOLVED (UG/L AS B)	02/21/74-05/13/74	0	2	
GOGA0090	No	01020	BORON, DISSOLVED (UG/L AS B)	07/27/77-07/27/77	0	1	
GOGA0103	No	01020	BORON, DISSOLVED (UG/L AS B)	04/11/55-04/29/69	14	3	
GOGA0107	No	01020	BORON, DISSOLVED (UG/L AS B)	04/11/55-06/05/72	17	2	
GOGA0134	No	01020	BORON, DISSOLVED (UG/L AS B)	01/08/91-01/08/91	0	1	
GOGA0138	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/29/95-10/30/95	0	2	
GOGA0146	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/08/91-01/08/91	0	1	
GOGA0153	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01020	BORON, DISSOLVED (UG/L AS B)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01020	BORON, DISSOLVED (UG/L AS B)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/29/95-10/30/95	0	2	
GOGA0188	No	01020	BORON, DISSOLVED (UG/L AS B)	08/20/59-08/20/59	0	2	
GOGA0209	Yes	01020	BORON, DISSOLVED (UG/L AS B)	10/07/64-10/07/64	0	1	
GOGA0246	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/29/86-01/29/86	0	1	
GOGA0249	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/14/93-07/14/93	0	1	
GOGA0251	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/24/86-06/08/88	1	5	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0262	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/14/93-07/14/93	0	1	
GOGA0265	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/29/86-01/29/86	0	1	
GOGA0270	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/14/93-07/14/93	0	1	
GOGA0271	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/06/54-01/06/54	0	1	
GOGA0276	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/14/93-07/14/93	0	1	
GOGA0297	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/06/54-01/06/54	0	1	
GOGA0299	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/25/86-06/02/88	1	5	
GOGA0315	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/06/54-01/06/54	0	1	
GOGA0318	Yes	01020	BORON, DISSOLVED (UG/L AS B)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01020	BORON, DISSOLVED (UG/L AS B)	03/07/94-03/07/94	0	1	
GOGA0321	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/31/86-01/31/86	0	1	
GOGA0359	No	01020	BORON, DISSOLVED (UG/L AS B)	03/10/54-03/10/54	0	1	
GOGA0368	Yes	01020	BORON, DISSOLVED (UG/L AS B)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01020	BORON, DISSOLVED (UG/L AS B)	03/07/94-03/07/94	0	1	
GOGA0370	Yes	01020	BORON, DISSOLVED (UG/L AS B)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/26/86-06/07/88	1	5	
GOGA0388	No	01020	BORON, DISSOLVED (UG/L AS B)	03/10/54-03/10/54	0	1	
GOGA0407	Yes	01020	BORON, DISSOLVED (UG/L AS B)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01020	BORON, DISSOLVED (UG/L AS B)	03/08/95-03/08/95	0	1	
GOGA0431	No	01020	BORON, DISSOLVED (UG/L AS B)	03/10/54-03/10/54	0	1	
GOGA0138	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/08/95-03/08/95	0	1	
GOGA0033	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/08/72-08/08/72	0	1	
GOGA0139	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	03/14/94-12/30/96	2	82	
GOGA0149	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	10/29/96-07/03/97	0	3	
GOGA0154	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	03/14/94-12/30/96	2	82	
GOGA0156	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	09/30/97-09/30/97	0	1	
GOGA0175	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	0	3	
GOGA0246	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/25/86-06/02/88	1	5	
GOGA0321	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/26/86-06/07/88	1	5	
GOGA0150	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0161	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0150	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0161	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0138	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/29/95-10/30/95	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0157	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/08/95-03/08/95	0	1	
GOGA0033	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/08/72-08/08/72	0	1	
GOGA0139	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/14/94-12/30/96	2	82	
GOGA0149	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/29/96-07/03/97	0	3	
GOGA0154	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/14/94-12/30/96	2	82	
GOGA0156	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/30/97-09/30/97	0	1	
GOGA0175	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	0	3	
GOGA0246	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/25/86-06/02/88	1	5	
GOGA0321	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/26/86-06/07/88	1	5	
GOGA0138	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	03/08/95-03/08/95	0	1	
GOGA0040	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/28/53-06/09/53	0	2	
GOGA0067	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/27/53-06/09/53	0	2	
GOGA0072	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	01/27/53-01/27/53	0	1	
GOGA0079	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/27/53-06/09/53	0	2	
GOGA0081	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/27/53-06/09/53	0	2	
GOGA0138	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/07/94-03/07/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0368	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	03/08/95-03/08/95	0	1	
GOGA0033	No	01042	COPPER, TOTAL (UG/L AS CU)	08/08/72-08/08/72	0	1	
GOGA0139	Yes	01042	COPPER, TOTAL (UG/L AS CU)	03/14/94-12/30/96	2	82	
GOGA0149	Yes	01042	COPPER, TOTAL (UG/L AS CU)	10/29/96-07/03/97	0	3	
GOGA0154	Yes	01042	COPPER, TOTAL (UG/L AS CU)	03/14/94-12/30/96	2	82	
GOGA0156	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/30/97-09/30/97	0	1	
GOGA0175	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	0	3	
GOGA0246	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/25/86-06/02/88	1	5	
GOGA0321	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/26/86-06/07/88	1	5	
GOGA0150	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0161	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0005	No	01045	IRON, TOTAL (UG/L AS FE)	03/15/74-12/04/74	0	3	
GOGA0011	No	01045	IRON, TOTAL (UG/L AS FE)	03/15/74-12/04/74	0	4	
GOGA0012	No	01045	IRON, TOTAL (UG/L AS FE)	03/26/74-12/13/74	0	4	
GOGA0016	No	01045	IRON, TOTAL (UG/L AS FE)	03/26/74-12/04/74	0	4	
GOGA0019	No	01045	IRON, TOTAL (UG/L AS FE)	03/26/74-12/13/74	0	4	
GOGA0022	No	01045	IRON, TOTAL (UG/L AS FE)	03/26/74-12/13/74	0	3	
GOGA0032	No	01045	IRON, TOTAL (UG/L AS FE)	03/26/74-12/04/74	0	3	
GOGA0040	No	01045	IRON, TOTAL (UG/L AS FE)	03/14/74-12/04/74	0	4	
GOGA0044	No	01045	IRON, TOTAL (UG/L AS FE)	03/14/74-03/13/75	0	4	
GOGA0047	No	01045	IRON, TOTAL (UG/L AS FE)	03/14/74-09/10/74	0	3	
GOGA0057	No	01045	IRON, TOTAL (UG/L AS FE)	03/14/74-03/13/75	0	5	
GOGA0058	No	01045	IRON, TOTAL (UG/L AS FE)	03/14/74-12/03/74	0	4	
GOGA0059	No	01045	IRON, TOTAL (UG/L AS FE)	03/13/74-03/13/75	1	5	
GOGA0067	No	01045	IRON, TOTAL (UG/L AS FE)	03/13/74-12/02/74	0	4	
GOGA0072	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/13/74-03/13/75	1	5	
GOGA0079	No	01045	IRON, TOTAL (UG/L AS FE)	06/09/53-06/09/53	0	1	
GOGA0080	No	01045	IRON, TOTAL (UG/L AS FE)	05/22/73-05/13/74	0	5	
GOGA0082	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/17/73-05/13/74	0	4	
GOGA0085	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/22/73-05/13/74	0	5	
GOGA0087	No	01045	IRON, TOTAL (UG/L AS FE)	07/17/73-05/13/74	0	4	
GOGA0139	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/14/94-12/30/96	2	82	
GOGA0154	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/14/94-12/30/96	2	82	
GOGA0001	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/29/77-08/29/77	0	1	
GOGA0024	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/05/72-06/05/72	0	1	
GOGA0040	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/28/53-06/09/53	0	2	
GOGA0045	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/05/72-06/05/72	0	1	
GOGA0053	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/05/72-06/05/72	0	1	
GOGA0067	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/27/53-06/09/53	0	2	
GOGA0070	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/29/77-08/29/77	0	1	
GOGA0072	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	01/27/53-01/27/53	0	1	
GOGA0073	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/05/72-06/05/72	0	1	
GOGA0079	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/27/53-01/27/53	0	1	
GOGA0081	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/27/53-06/09/53	0	2	
GOGA0090	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/27/77-07/27/77	0	1	
GOGA0107	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/05/72-06/05/72	0	1	
GOGA0134	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/05/90-04/05/90	0	1	
GOGA0138	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/95-10/30/95	0	2	
GOGA0146	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	04/05/90-04/05/90	0	1	
GOGA0153	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/95-10/30/95	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0173	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/95-10/30/95	0	2	
GOGA0246	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	01/29/86-01/29/86	0	1	
GOGA0249	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/14/93-07/14/93	0	1	
GOGA0251	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/24/86-06/08/88	1	5	
GOGA0262	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/14/93-07/14/93	0	1	
GOGA0265	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	01/29/86-01/29/86	0	1	
GOGA0270	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/14/93-07/14/93	0	1	
GOGA0299	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/25/86-06/02/88	1	5	
GOGA0318	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/07/94-03/07/94	0	1	
GOGA0321	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	01/31/86-01/31/86	0	1	
GOGA0368	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/07/94-03/07/94	0	1	
GOGA0370	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/26/86-06/07/88	1	5	
GOGA0407	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/08/95-03/08/95	0	1	
GOGA0040	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/53-06/09/53	0	2	
GOGA0067	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/27/53-06/09/53	0	2	
GOGA0072	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	01/27/53-01/27/53	0	1	
GOGA0079	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/27/53-06/09/53	0	2	
GOGA0081	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/27/53-06/09/53	0	2	
GOGA0138	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	03/08/95-03/08/95	0	1	
GOGA0033	No	01051	LEAD, TOTAL (UG/L AS PB)	08/08/72-08/08/72	0	1	
GOGA0139	Yes	01051	LEAD, TOTAL (UG/L AS PB)	03/14/94-12/30/96	2	82	
GOGA0149	Yes	01051	LEAD, TOTAL (UG/L AS PB)	10/29/96-07/03/97	0	3	
GOGA0154	Yes	01051	LEAD, TOTAL (UG/L AS PB)	03/14/94-12/30/96	2	82	
GOGA0156	Yes	01051	LEAD, TOTAL (UG/L AS PB)	09/30/97-09/30/97	0	1	
GOGA0175	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	0	3	
GOGA0246	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	01051	LEAD, TOTAL (UG/L AS PB)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	01051	LEAD, TOTAL (UG/L AS PB)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	01051	LEAD, TOTAL (UG/L AS PB)	06/25/86-06/02/88	1	5	
GOGA0321	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	01051	LEAD, TOTAL (UG/L AS PB)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	01051	LEAD, TOTAL (UG/L AS PB)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	01051	LEAD, TOTAL (UG/L AS PB)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	01051	LEAD, TOTAL (UG/L AS PB)	06/26/86-06/07/88	1	5	
GOGA0150	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0161	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0005	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/15/74-12/04/74	0	3	
GOGA0011	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/16/74-03/13/75	0	4	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0012	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/74-12/13/74	0	4	
GOGA0016	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/74-12/04/74	0	4	
GOGA0019	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/74-12/13/74	0	4	
GOGA0021	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/05/98-10/27/98	0	21	
GOGA0022	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/74-12/13/74	0	3	
GOGA0032	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/16/74-12/04/74	0	2	
GOGA0040	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/74-12/04/74	0	4	
GOGA0043	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	05/26/98-11/04/98	0	27	
GOGA0044	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/74-03/13/75	0	4	
GOGA0047	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/15/74-12/03/74	0	3	
GOGA0051	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/05/98-11/05/98	0	18	
GOGA0057	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/74-03/13/75	0	5	
GOGA0058	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/74-12/03/74	0	4	
GOGA0059	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/13/74-03/13/75	1	5	
GOGA0067	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/13/74-12/02/74	0	4	
GOGA0072	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/13/74-03/13/75	1	4	
GOGA0077	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/18/97-11/04/98	1	33	
GOGA0080	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/22/73-02/21/74	0	4	
GOGA0082	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/73-05/13/74	0	4	
GOGA0085	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	05/22/73-05/13/74	0	4	
GOGA0087	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/30/73-05/13/74	0	3	
GOGA0139	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/94-12/30/96	2	81	
GOGA0154	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/94-12/30/96	2	81	
GOGA0040	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/28/53-06/09/53	0	2	
GOGA0067	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/27/53-06/09/53	0	2	
GOGA0072	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/27/53-01/27/53	0	1	
GOGA0079	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/27/53-06/09/53	0	2	
GOGA0081	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/27/53-06/09/53	0	2	
GOGA0134	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/05/90-04/05/90	0	1	
GOGA0138	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/08/95-03/08/95	0	1	
GOGA0175	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	0	3	
GOGA0138	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/08/95-03/08/95	0	1	
GOGA0138	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/29/95-10/30/95	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0157	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/08/95-03/08/95	0	1	
GOGA0139	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/10/96-12/30/96	0	16	
GOGA0149	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	10/29/96-07/03/97	0	3	
GOGA0154	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/10/96-12/30/96	0	16	
GOGA0156	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	09/30/97-09/30/97	0	1	
GOGA0175	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	0	3	
GOGA0150	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0161	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0138	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	03/08/95-03/08/95	0	1	
GOGA0139	Yes	01077	SILVER, TOTAL (UG/L AS AG)	03/14/94-12/30/96	2	82	
GOGA0154	Yes	01077	SILVER, TOTAL (UG/L AS AG)	03/14/94-12/30/96	2	82	
GOGA0175	Yes	01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	0	3	
GOGA0138	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/08/95-03/08/95	0	1	
GOGA0138	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	03/16/94-09/18/94	0	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0158	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	03/08/95-03/08/95	0	1	
GOGA0040	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/53-06/09/53	0	2	
GOGA0067	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/27/53-06/09/53	0	2	
GOGA0072	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/27/53-01/27/53	0	1	
GOGA0079	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/27/53-06/09/53	0	2	
GOGA0081	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/27/53-06/09/53	0	2	
GOGA0138	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/08/95-03/08/95	0	1	
GOGA0033	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/08/72-08/08/72	0	1	
GOGA0139	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	03/14/94-12/30/96	2	82	
GOGA0149	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	10/29/96-07/03/97	0	3	
GOGA0154	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	03/14/94-12/30/96	2	82	
GOGA0156	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	09/30/97-09/30/97	0	1	
GOGA0175	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	0	3	
GOGA0246	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/25/86-06/02/88	1	5	
GOGA0321	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/26/86-06/07/88	1	5	
GOGA0150	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0161	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0175	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	0	3	
GOGA0040	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/28/53-06/09/53	0	2	
GOGA0072	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/27/53-01/27/53	0	1	
GOGA0138	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/16/94-09/18/94	0	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0158	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/08/95-03/08/95	0	1	
GOGA0006	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/23/59-03/23/59	0	1	
GOGA0034	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/24/59-03/24/59	0	1	
GOGA0046	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/29/59-03/29/59	0	1	
GOGA0048	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/30/59-03/30/59	0	1	
GOGA0138	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01140	SILICON, DISSOLVED (UG/L AS SI)	03/08/95-03/08/95	0	1	
GOGA0138	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/08/95-03/08/95	0	1	
GOGA0139	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	03/14/94-12/30/96	2	82	
GOGA0154	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	03/14/94-12/30/96	2	82	
GOGA0175	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	0	3	
GOGA0246	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	03/22/88-06/08/88	0	2	
GOGA0265	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	03/22/88-06/08/88	0	2	
GOGA0266	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	03/22/88-06/02/88	0	2	
GOGA0321	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/05/88-06/07/88	0	2	
GOGA0324	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	03/23/88-06/02/88	0	2	
GOGA0329	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	01/05/88-06/07/88	0	2	
GOGA0138	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/29/95-10/30/95	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0143	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/29/95-10/30/95	0	2	
GOGA0157	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/16/94-09/18/94	0	3	
GOGA0158	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/16/94-09/18/94	0	3	
GOGA0165	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/08/95-03/08/95	0	1	
GOGA0040	No	01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/28/53-06/09/53	0	2	
GOGA0067	No	01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/27/53-06/09/53	0	2	
GOGA0072	Yes	01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/27/53-01/27/53	0	1	
GOGA0079	No	01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/27/53-06/09/53	0	2	
GOGA0081	No	01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/27/53-06/09/53	0	2	
GOGA0139	Yes	01288	FOAMING AGENTS MG/L	03/21/94-12/30/96	2	82	
GOGA0154	Yes	01288	FOAMING AGENTS MG/L	03/21/94-12/30/96	2	80	
GOGA0092	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	6	84	
GOGA0095	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/10/89-12/05/89	0	36	
GOGA0096	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/10/89-12/05/89	0	36	
GOGA0101	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	02/21/89-12/05/89	0	33	
GOGA0112	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	02/21/89-11/07/89	0	30	
GOGA0124	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	02/21/89-12/05/89	0	33	
GOGA0128	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	02/21/89-12/05/89	0	33	
GOGA0175	Yes	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/23/94-02/17/94	0	3	
GOGA0182	Yes	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/23/94-02/17/94	0	3	
GOGA0184	Yes	03582	OIL AND GREASE, WATER, TOTAL MG/L	02/17/94-02/17/94	0	1	
GOGA0186	Yes	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/23/94-02/17/94	0	3	
GOGA0189	No	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/10/89-12/05/89	0	36	
GOGA0193	Yes	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/23/94-02/17/94	0	3	
GOGA0206	Yes	03582	OIL AND GREASE, WATER, TOTAL MG/L	01/23/94-02/17/94	0	3	
GOGA0104	No	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	05/16/89-05/16/89	0	1	
GOGA0134	No	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	04/05/90-04/05/90	0	1	
GOGA0146	Yes	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	04/05/90-04/05/90	0	1	
GOGA0134	No	07012	TRITIUM IN WATERMOLECULES (TRITIUM UNITS)	04/05/90-04/05/90	0	1	
GOGA0146	Yes	07012	TRITIUM IN WATERMOLECULES (TRITIUM UNITS)	04/05/90-04/05/90	0	1	
GOGA0067	No	11006	INVALID PARAMETER	01/27/53-06/09/53	0	2	
GOGA0079	No	11006	INVALID PARAMETER	01/27/53-06/09/53	0	2	
GOGA0081	No	11006	INVALID PARAMETER	01/27/53-06/09/53	0	2	
GOGA0029	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/21/86-12/29/88	2	163	
GOGA0030	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/97-12/29/99	2	630	
GOGA0093	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/89-08/31/89	0	105	
GOGA0094	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/89-08/31/89	0	105	
GOGA0095	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/10/89-12/05/89	0	59	
GOGA0096	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/10/89-12/05/89	0	60	
GOGA0098	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	10	1301	T,A,S
GOGA0100	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-08/09/99	2	184	
GOGA0101	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	7	194	A
GOGA0109	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	10	1498	T,A,S
GOGA0111	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	2	633	
GOGA0112	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	7	189	A
GOGA0113	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	2	636	
GOGA0114	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/89-12/29/89	0	156	
GOGA0118	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	6	1096	
GOGA0124	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	7	194	A
GOGA0125	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	2	636	
GOGA0126	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	10	1502	T,A,S
GOGA0128	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	7	190	A
GOGA0130	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	2	635	
GOGA0131	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	10	1496	T,A,S
GOGA0135	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/30/93-11/30/93	0	1	
GOGA0136	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/30/93-11/30/93	0	1	
GOGA0141	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/14/93-12/14/93	0	1	
GOGA0142	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/06/95-03/28/96	0	27	
GOGA0144	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/14/93-12/14/93	0	1	
GOGA0145	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/04/96-12/30/96	0	44	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0151	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/30/93-12/14/93	0	2	
GOGA0152	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/14/94-12/30/96	2	161	
GOGA0159	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/06/95-03/28/96	0	27	
GOGA0166	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/30/93-11/30/93	0	1	
GOGA0167	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	2	624	
GOGA0168	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	10	1487	T,A,S
GOGA0171	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	2	634	
GOGA0172	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	10	1549	T,A,S
GOGA0174	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/05/93-12/29/93	0	28	
GOGA0175	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	0	3	
GOGA0176	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/30/93-11/30/93	0	1	
GOGA0177	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	10	1579	T,A,S
GOGA0178	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	2	649	
GOGA0182	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	0	3	
GOGA0184	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	0	3	
GOGA0186	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	0	3	
GOGA0189	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/10/89-12/05/89	0	59	
GOGA0193	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	0	3	
GOGA0196	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	7	1180	A
GOGA0197	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	7	1133	A
GOGA0199	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	7	1094	A
GOGA0201	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/05/99-12/29/99	0	78	
GOGA0202	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	7	1291	A
GOGA0203	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/17/96-12/29/99	3	650	
GOGA0204	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	6	864	
GOGA0205	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/09/95	2	387	
GOGA0206	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	0	3	
GOGA0208	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	7	1309	A
GOGA0217	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/01/95-12/29/99	4	874	
GOGA0033	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/08/72-08/08/72	0	3	
GOGA0211	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/22/72-07/31/72	0	5	
GOGA0287	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/31/72-11/20/72	0	10	
GOGA0328	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/03/95-02/02/98	3	10	
GOGA0332	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/14/93-02/02/98	4	13	
GOGA0365	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/10/72-05/15/72	0	10	
GOGA0372	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/03/95-02/02/98	3	9	
GOGA0376	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/10/95-01/10/95	0	1	
GOGA0377	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/10/72-05/17/72	0	11	
GOGA0138	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	0	2	
GOGA0143	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/03/95-10/30/95	0	2	
GOGA0147	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	0	2	
GOGA0153	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	0	2	
GOGA0157	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/30/93-09/18/94	0	4	
GOGA0158	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/30/93-09/18/94	0	4	
GOGA0165	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	0	2	
GOGA0173	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	0	2	
GOGA0249	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	0	1	
GOGA0252	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	0	2	
GOGA0257	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	0	1	
GOGA0258	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/18/96-11/18/96	0	1	
GOGA0262	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	0	1	
GOGA0263	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	0	2	
GOGA0264	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	0	1	
GOGA0270	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	0	1	
GOGA0272	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/04/93-08/04/93	0	1	
GOGA0273	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	0	3	
GOGA0276	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	0	1	
GOGA0280	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/04/93-08/04/93	0	1	
GOGA0281	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/04/93-08/04/93	0	1	
GOGA0304	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/18/96-11/18/96	0	1	
GOGA0310	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/18/96-11/18/96	0	1	
GOGA0319	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/16/94-03/16/94	0	1	
GOGA0327	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	0	3	
GOGA0333	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/29/96-11/21/96	0	2	
GOGA0336	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/21/96-11/21/96	0	1	
GOGA0342	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	0	2	
GOGA0351	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	0	2	
GOGA0369	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/16/94-03/16/94	0	1	
GOGA0371	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	0	2	
GOGA0407	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/16/94-03/16/94	0	1	
GOGA0142	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10/06/95-03/28/96	0	25	
GOGA0159	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10/06/95-03/28/96	0	26	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0175	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	0	3	
GOGA0182	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	0	3	
GOGA0184	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	0	3	
GOGA0186	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	0	3	
GOGA0193	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	0	3	
GOGA0206	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	0	3	
GOGA0138	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	0	2	
GOGA0143	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/03/95-10/30/95	0	2	
GOGA0147	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	0	2	
GOGA0153	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	0	2	
GOGA0157	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/30/93-06/15/94	0	3	
GOGA0158	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/30/93-09/18/94	0	4	
GOGA0165	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	0	2	
GOGA0173	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	0	2	
GOGA0249	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	0	1	
GOGA0252	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	0	2	
GOGA0257	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	0	1	
GOGA0258	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/18/96-11/18/96	0	1	
GOGA0262	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	0	1	
GOGA0263	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	0	2	
GOGA0264	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	0	1	
GOGA0270	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	0	1	
GOGA0272	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/04/93-08/04/93	0	1	
GOGA0273	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	0	3	
GOGA0276	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	0	1	
GOGA0280	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/04/93-08/04/93	0	1	
GOGA0281	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/04/93-08/04/93	0	1	
GOGA0304	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/18/96-11/18/96	0	1	
GOGA0310	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/18/96-11/18/96	0	1	
GOGA0319	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/16/94-03/16/94	0	1	
GOGA0327	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	0	3	
GOGA0333	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/29/96-11/21/96	0	2	
GOGA0336	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/21/96-11/21/96	0	1	
GOGA0342	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	0	2	
GOGA0351	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	0	2	
GOGA0369	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/16/94-03/16/94	0	1	
GOGA0371	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	0	2	
GOGA0407	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/16/94-03/16/94	0	1	
GOGA0033	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/08/72-08/08/72	0	3	
GOGA0211	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/22/72-07/31/72	0	5	
GOGA0328	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/03/95-02/02/98	3	11	
GOGA0332	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/14/93-02/02/98	4	14	
GOGA0365	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	04/10/72-05/15/72	0	10	
GOGA0372	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/03/95-02/02/98	3	10	
GOGA0377	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	04/10/72-05/17/72	0	11	
GOGA0030	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/06/97-03/28/97	0	36	
GOGA0093	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-08/31/89	0	105	
GOGA0094	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-08/31/89	0	105	
GOGA0095	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/89-12/05/89	0	59	
GOGA0096	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/89-12/05/89	0	60	
GOGA0098	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	7	1130	A
GOGA0100	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	0	38	
GOGA0101	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	7	195	A
GOGA0109	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	7	1248	A
GOGA0111	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	0	38	
GOGA0112	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	7	187	A
GOGA0113	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	0	38	
GOGA0114	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/29/89	0	156	
GOGA0118	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	6	1090	
GOGA0124	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	7	194	A
GOGA0125	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	0	38	
GOGA0126	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	7	1249	A
GOGA0128	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	7	190	A
GOGA0130	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	0	38	
GOGA0131	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	7	1245	A
GOGA0135	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	0	1	
GOGA0136	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	0	1	
GOGA0141	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	0	1	
GOGA0144	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	0	1	
GOGA0151	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-12/14/93	0	2	
GOGA0152	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/14/94-09/26/95	1	116	
GOGA0166	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0167	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	0	37	
GOGA0168	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	7	1232	A
GOGA0171	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	0	38	
GOGA0172	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	7	1258	A
GOGA0174	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/05/93-12/29/93	0	27	
GOGA0176	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	0	1	
GOGA0177	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	8	1269	A
GOGA0178	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	0	38	
GOGA0189	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/89-12/05/89	0	60	
GOGA0196	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	2	349	
GOGA0197	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-07/25/96	3	352	
GOGA0199	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	2	347	
GOGA0201	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/14/99-10/14/99	0	1	
GOGA0202	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	2	345	
GOGA0204	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	4	480	
GOGA0205	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	2	347	
GOGA0208	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	4	482	
GOGA0316	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	0	1	
GOGA0320	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	0	4	
GOGA0322	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	0	1	
GOGA0326	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	0	4	
GOGA0331	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	0	1	
GOGA0338	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	0	4	
GOGA0349	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	0	4	
GOGA0251	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/29/86-06/08/88	2	6	
GOGA0265	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/29/86-06/08/88	2	6	
GOGA0300	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/30/86-06/02/88	2	6	
GOGA0323	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/31/86-06/07/88	2	6	
GOGA0324	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/30/86-06/02/88	2	6	
GOGA0373	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/31/86-06/07/88	2	6	
GOGA0365	No	31640	FECAL COLIFORM,MPN,IN SHELLFISH,EC MED,44.5C	04/07/72-04/22/72	0	3	
GOGA0377	No	31640	FECAL COLIFORM,MPN,IN SHELLFISH,EC MED,44.5C	04/07/72-04/22/72	0	3	
GOGA0142	Yes	31648	E. COLI - MTEC-MF N0/100ML	11/08/95-03/28/96	0	19	
GOGA0159	Yes	31648	E. COLI - MTEC-MF N0/100ML	11/08/95-03/28/96	0	18	
GOGA0175	Yes	31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	0	3	
GOGA0182	Yes	31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	0	3	
GOGA0184	Yes	31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	0	3	
GOGA0186	Yes	31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	0	3	
GOGA0193	Yes	31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	0	3	
GOGA0206	Yes	31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	0	3	
GOGA0030	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/06/97-03/28/97	0	68	
GOGA0093	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-08/31/89	0	105	
GOGA0094	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-08/31/89	0	105	
GOGA0095	No	31649	ENTEROCOCCI- ME-MF N0/100ML	01/10/89-12/05/89	0	59	
GOGA0096	No	31649	ENTEROCOCCI- ME-MF N0/100ML	01/10/89-12/05/89	0	60	
GOGA0098	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	7	1126	A
GOGA0100	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	0	74	
GOGA0101	No	31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	7	195	A
GOGA0109	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	7	1241	A
GOGA0111	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	0	74	
GOGA0112	No	31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	7	189	A
GOGA0113	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	0	74	
GOGA0114	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/29/89	0	156	
GOGA0118	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	6	1084	
GOGA0124	No	31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	7	194	A
GOGA0125	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	0	74	
GOGA0126	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	7	1243	A
GOGA0128	No	31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	7	190	A
GOGA0130	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	0	74	
GOGA0131	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	7	1241	A
GOGA0135	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	11/30/93-11/30/93	0	1	
GOGA0136	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	11/30/93-11/30/93	0	1	
GOGA0141	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	12/14/93-12/14/93	0	1	
GOGA0142	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	10/06/95-03/28/96	0	26	
GOGA0144	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	12/14/93-12/14/93	0	1	
GOGA0151	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	11/30/93-12/14/93	0	2	
GOGA0152	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	03/14/94-09/26/95	1	114	
GOGA0159	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	10/06/95-03/28/96	0	27	
GOGA0166	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	11/30/93-11/30/93	0	1	
GOGA0167	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	0	72	
GOGA0168	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	7	1227	A
GOGA0171	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	0	74	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0172	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	7	1244	A
GOGA0174	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	10/05/93-12/29/93	0	27	
GOGA0176	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	11/30/93-11/30/93	0	1	
GOGA0177	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	7	1246	A
GOGA0178	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	0	74	
GOGA0189	No	31649	ENTEROCOCCI- ME-MF N0/100ML	01/10/89-12/05/89	0	60	
GOGA0196	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	2	327	
GOGA0197	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	2	326	
GOGA0199	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	2	325	
GOGA0202	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	2	324	
GOGA0204	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	2	324	
GOGA0205	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	2	326	
GOGA0208	Yes	31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	2	325	
GOGA0251	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/29/86-06/08/88	2	6	
GOGA0265	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/29/86-06/08/88	2	6	
GOGA0300	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/30/86-06/02/88	2	6	
GOGA0323	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/31/86-06/07/88	2	4	
GOGA0324	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/30/86-06/02/88	2	5	
GOGA0373	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/31/86-06/07/88	2	5	
GOGA0026	Yes	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	0	1	
GOGA0035	No	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	0	1	
GOGA0052	Yes	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	0	1	
GOGA0066	Yes	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	0	1	
GOGA0102	No	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	10/05/06-10/05/06	0	1	
GOGA0108	No	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	10/05/06-10/05/06	0	1	
GOGA0115	No	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	07/06/06-07/06/06	0	1	
GOGA0119	No	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	10/05/06-10/05/06	0	1	
GOGA0120	No	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	07/06/06-07/06/06	0	1	
GOGA0137	Yes	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	04/27/06-09/25/06	0	4	
GOGA0192	No	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	08/01/06-08/01/06	0	1	
GOGA0194	No	31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	07/26/06-07/26/06	0	1	
GOGA0133	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	03/28/75-03/28/75	0	1	
GOGA0139	Yes	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0133	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	03/28/75-03/28/75	0	1	
GOGA0139	Yes	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0133	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	03/28/75-03/28/75	0	1	
GOGA0139	Yes	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	2	49	
GOGA0133	No	32104	BROMOFORM,WHOLE WATER,UG/L	03/28/75-03/28/75	0	1	
GOGA0139	Yes	32104	BROMOFORM,WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	32104	BROMOFORM,WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0133	No	32106	CHLOROFORM,WHOLE WATER,UG/L	03/28/75-03/28/75	0	1	
GOGA0139	Yes	32106	CHLOROFORM,WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	32106	CHLOROFORM,WHOLE WATER,UG/L	12/05/94-11/26/97	2	49	
GOGA0095	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	01/10/89-12/05/89	0	36	
GOGA0096	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	01/10/89-12/05/89	0	36	
GOGA0101	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	02/21/89-12/05/89	0	33	
GOGA0112	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	02/21/89-11/07/89	0	30	
GOGA0124	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	02/21/89-12/05/89	0	33	
GOGA0128	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	02/21/89-12/05/89	0	33	
GOGA0148	Yes	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	09/30/97-09/30/97	0	1	
GOGA0149	Yes	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	10/29/96-11/03/97	1	5	
GOGA0156	Yes	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/97-11/03/97	0	8	
GOGA0160	Yes	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/97-11/03/97	0	4	
GOGA0162	Yes	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/03/97-07/03/97	0	1	
GOGA0164	Yes	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/97-11/03/97	0	4	
GOGA0189	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	01/10/89-12/05/89	0	36	
GOGA0209	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/02/66-06/22/67	1	12	
GOGA0139	Yes	34301	CHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34301	CHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	2	47	
GOGA0133	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	03/28/75-03/28/75	0	1	
GOGA0139	Yes	34311	CHLOROETHANE TOTWUG/L	02/23/95-11/26/97	2	46	
GOGA0154	Yes	34311	CHLOROETHANE TOTWUG/L	02/23/95-11/26/97	2	45	
GOGA0161	Yes	34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	09/30/97-09/30/97	0	2	
GOGA0161	Yes	34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	09/30/97-09/30/97	0	2	
GOGA0139	Yes	34371	ETHYLBENZENE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34371	ETHYLBENZENE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0139	Yes	34391	HEXACHLOROBUTADIENE TOTWUG/L	12/05/94-11/26/97	2	43	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0154	Yes	34391	HEXACHLOROBUTADIENE TOTWUG/L	12/05/94-11/26/97	2	44	
GOGA0139	Yes	34396	HEXACHLOROETHANE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34396	HEXACHLOROETHANE TOTWUG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	34413	METHYL BROMIDE TOTWUG/L	02/23/95-11/26/97	2	46	
GOGA0154	Yes	34413	METHYL BROMIDE TOTWUG/L	02/23/95-11/26/97	2	45	
GOGA0139	Yes	34418	METHYL CHLORIDE TOTWUG/L	02/23/95-11/26/97	2	46	
GOGA0154	Yes	34418	METHYL CHLORIDE TOTWUG/L	02/23/95-11/26/97	2	45	
GOGA0370	Yes	34418	METHYL CHLORIDE TOTWUG/L	01/31/86-01/31/86	0	1	
GOGA0139	Yes	34423	METHYLENE CHLORIDE TOTWUG/L	02/23/95-11/26/97	2	44	
GOGA0154	Yes	34423	METHYLENE CHLORIDE TOTWUG/L	02/23/95-11/26/97	2	40	
GOGA0139	Yes	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	02/23/95-11/26/97	2	46	
GOGA0154	Yes	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	02/23/95-11/26/97	2	45	
GOGA0139	Yes	34496	1,1-DICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34496	1,1-DICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	2	46	
GOGA0139	Yes	34501	1,1-DICHLOROETHYLENE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34501	1,1-DICHLOROETHYLENE TOTWUG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	2	49	
GOGA0139	Yes	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	02/23/95-11/26/97	2	45	
GOGA0139	Yes	34536	1,2-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	2	47	
GOGA0154	Yes	34536	1,2-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	34541	1,2-DICHLOROPROPANE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34541	1,2-DICHLOROPROPANE TOTWUG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	2	47	
GOGA0154	Yes	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0139	Yes	34566	1,3-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34566	1,3-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	34571	1,4-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34571	1,4-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	02/23/95-11/26/97	2	45	
GOGA0161	Yes	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	09/30/97-09/30/97	0	2	
GOGA0139	Yes	34668	DICHLORODIFUOROMETHANE TOTWUG/L	02/23/95-11/26/97	2	46	
GOGA0154	Yes	34668	DICHLORODIFUOROMETHANE TOTWUG/L	02/23/95-11/26/97	2	46	
GOGA0139	Yes	34696	NAPHTHALENE TOTWUG/L	12/05/94-11/26/97	2	45	
GOGA0154	Yes	34696	NAPHTHALENE TOTWUG/L	12/05/94-11/26/97	2	45	
GOGA0139	Yes	34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	12/05/94-11/26/97	2	49	
GOGA0039	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/20/64-04/20/64	0	1	
GOGA0054	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/10/87-03/10/87	0	1	
GOGA0060	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	02/03/81-02/03/81	0	1	
GOGA0116	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/15/69-09/15/69	0	1	
GOGA0134	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/08/91-01/08/91	0	1	
GOGA0146	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/08/91-01/08/91	0	1	
GOGA0228	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/15/69-09/15/69	0	1	
GOGA0161	Yes	38435	DALAPON SEDDRYWGTUG/KG	09/30/97-09/30/97	0	2	
GOGA0161	Yes	38444	DICAMBA (BANVEL) SEDDRYWGTUG/KG	09/30/97-09/30/97	0	2	
GOGA0161	Yes	38484	MCPA SEDDRYWGTUG/KG	09/30/97-09/30/97	0	2	
GOGA0161	Yes	38494	MCPP SEDDRYWGTUG/KG	09/30/97-09/30/97	0	2	
GOGA0139	Yes	38680	CHLOROTOLUENE,2-, TOTAL, WATER UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	38680	CHLOROTOLUENE,2-, TOTAL, WATER UG/L	12/05/94-11/26/97	2	47	
GOGA0161	Yes	38748	2,4-DB SEDDRYWGTUG/KG	09/30/97-09/30/97	0	2	
GOGA0139	Yes	38760	DBCP WATER, TOTUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	38760	DBCP WATER, TOTUG/L	12/05/94-11/26/97	2	47	
GOGA0161	Yes	38781	DINOSEB SEDDRYWGTUG/KG	09/30/97-09/30/97	0	2	
GOGA0246	Yes	39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/31/86-01/31/86	0	1	
GOGA0027	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/27/54-03/12/54	0	2	
GOGA0036	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	03/12/54-03/12/54	0	1	
GOGA0039	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	10/09/63-11/14/63	0	2	
GOGA0067	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/27/53-06/09/53	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0079	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/27/53-06/09/53	0	2	
GOGA0081	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/27/53-06/09/53	0	2	
GOGA0271	Yes	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/06/54-01/06/54	0	1	
GOGA0297	Yes	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/06/54-01/06/54	0	1	
GOGA0315	Yes	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/06/54-01/06/54	0	1	
GOGA0359	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	03/10/54-03/10/54	0	1	
GOGA0388	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	03/10/54-03/10/54	0	1	
GOGA0431	No	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	03/10/54-03/10/54	0	1	
GOGA0191	No	39040	S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE WTR-FPD UG/L	09/17/70-05/11/71	0	4	
GOGA0209	Yes	39040	S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE WTR-FPD UG/L	06/02/66-02/06/69	2	10	
GOGA0234	No	39040	S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE WTR-FPD UG/L	11/27/72-07/21/78	5	22	
GOGA0246	Yes	39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
GOGA0246	Yes	39055	SIMAZINE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39055	SIMAZINE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39055	SIMAZINE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39055	SIMAZINE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39055	SIMAZINE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39055	SIMAZINE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
GOGA0246	Yes	39056	PROMETONE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39056	PROMETONE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39056	PROMETONE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39056	PROMETONE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39056	PROMETONE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39056	PROMETONE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
GOGA0246	Yes	39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	0	1	
GOGA0234	No	39153	ATRAZINE &/OR SIMAZINE IN WHOLE WATER SAMPL UG/L	02/27/75-04/06/77	2	2	
GOGA0139	Yes	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	02/23/95-11/26/97	2	46	
GOGA0154	Yes	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	02/23/95-11/26/97	2	45	
GOGA0139	Yes	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	12/05/94-11/26/97	2	47	
GOGA0251	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0056	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	0	1	
GOGA0161	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/30/97-09/30/97	0	2	
GOGA0251	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0056	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/13/70-08/13/70	0	1	
GOGA0191	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	12/15/69-07/22/70	0	2	
GOGA0209	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/28/66-02/16/68	1	6	
GOGA0161	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	09/30/97-09/30/97	0	2	
GOGA0056	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	08/13/70-08/13/70	0	1	
GOGA0251	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/07/86-07/07/86	0	1	
GOGA0056	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	0	1	
GOGA0191	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12/15/69-12/15/69	0	1	
GOGA0251	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0373	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0365	No	39364	DDD IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	0	1	
GOGA0377	No	39364	DDD IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	0	1	
GOGA0056	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	0	1	
GOGA0251	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0365	No	39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	0	1	
GOGA0377	No	39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	0	1	
GOGA0056	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	0	1	
GOGA0191	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/15/69-12/15/69	0	1	
GOGA0209	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/14/68-10/14/68	0	1	
GOGA0251	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0365	No	39374	DDT IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	0	1	
GOGA0377	No	39374	DDT IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	0	1	
GOGA0056	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	0	1	
GOGA0161	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/30/97-09/30/97	0	2	
GOGA0251	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/07/86-07/07/86	0	1	
GOGA0365	No	39387	DIELDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WGT)	04/18/72-04/18/72	0	1	
GOGA0161	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/30/97-09/30/97	0	2	
GOGA0251	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0056	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	0	1	
GOGA0161	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/30/97-09/30/97	0	2	
GOGA0251	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0246	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0161	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/30/97-09/30/97	0	2	
GOGA0251	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/07/86-07/07/86	0	1	
GOGA0056	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	0	1	
GOGA0209	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/28/66-03/28/66	0	1	
GOGA0161	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	09/30/97-09/30/97	0	2	
GOGA0251	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0056	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	0	1	
GOGA0161	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	09/30/97-09/30/97	0	2	
GOGA0251	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/24/86-06/24/86	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0265	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/07/86-07/07/86	0	1	
GOGA0161	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	09/30/97-09/30/97	0	2	
GOGA0251	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/07/86-07/07/86	0	1	
GOGA0161	Yes	39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	09/30/97-09/30/97	0	2	
GOGA0161	Yes	39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/30/97-09/30/97	0	2	
GOGA0161	Yes	39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/30/97-09/30/97	0	2	
GOGA0161	Yes	39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/30/97-09/30/97	0	2	
GOGA0161	Yes	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/30/97-09/30/97	0	2	
GOGA0161	Yes	39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/30/97-09/30/97	0	2	
GOGA0161	Yes	39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	09/30/97-09/30/97	0	2	
GOGA0251	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0365	No	39520	PCBS IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	0	1	
GOGA0377	No	39520	PCBS IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	0	1	
GOGA0246	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0246	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0246	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0246	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0246	Yes	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0056	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	0	1	
GOGA0056	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	0	1	
GOGA0161	Yes	39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/30/97-09/30/97	0	2	
GOGA0251	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/26/86-06/26/86	0	1	
GOGA0324	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0056	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	0	1	
GOGA0234	No	39770	DACTHAL (DCPA) IN WHOLE WATER SAMPLE (UG/L)	09/13/73-09/13/73	0	1	
GOGA0251	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0265	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	0	1	
GOGA0300	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/25/86-06/25/86	0	1	
GOGA0323	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/86-06/26/86	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0324	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0373	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	0	1	
GOGA0246	Yes	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0246	Yes	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	0	1	
GOGA0014	Yes	46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-01/23/98	0	1	
GOGA0017	Yes	46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-01/23/98	0	1	
GOGA0020	Yes	46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-01/23/98	0	1	
GOGA0021	Yes	46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-10/27/98	0	99	
GOGA0023	Yes	46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-01/23/98	0	1	
GOGA0031	Yes	46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-01/23/98	0	1	
GOGA0043	Yes	46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	06/19/96-11/04/98	2	377	
GOGA0051	Yes	46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	07/30/96-11/05/98	2	110	
GOGA0077	Yes	46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	03/06/96-11/04/98	2	486	
GOGA0249	Yes	47501	WEATHER AT TIME OF SAMPLING	07/08/93-08/05/93	0	3	
GOGA0257	Yes	47501	WEATHER AT TIME OF SAMPLING	06/24/93-08/05/93	0	4	
GOGA0262	Yes	47501	WEATHER AT TIME OF SAMPLING	07/08/93-08/05/93	0	3	
GOGA0264	Yes	47501	WEATHER AT TIME OF SAMPLING	06/24/93-08/12/93	0	8	
GOGA0269	Yes	47501	WEATHER AT TIME OF SAMPLING	07/30/93-08/12/93	0	3	
GOGA0270	Yes	47501	WEATHER AT TIME OF SAMPLING	06/24/93-07/22/93	0	5	
GOGA0272	Yes	47501	WEATHER AT TIME OF SAMPLING	07/30/93-08/12/93	0	3	
GOGA0276	Yes	47501	WEATHER AT TIME OF SAMPLING	07/02/93-08/12/93	0	7	
GOGA0280	Yes	47501	WEATHER AT TIME OF SAMPLING	07/22/93-08/12/93	0	4	
GOGA0281	Yes	47501	WEATHER AT TIME OF SAMPLING	07/22/93-08/12/93	0	4	
GOGA0319	Yes	47501	WEATHER AT TIME OF SAMPLING	03/07/94-04/25/94	0	2	
GOGA0369	Yes	47501	WEATHER AT TIME OF SAMPLING	03/07/94-04/25/94	0	2	
GOGA0382	Yes	47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	0	1	
GOGA0383	Yes	47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	0	1	
GOGA0389	Yes	47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	0	1	
GOGA0390	Yes	47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	0	1	
GOGA0404	Yes	47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	0	1	
GOGA0407	Yes	47501	WEATHER AT TIME OF SAMPLING	03/07/94-04/25/94	0	2	
GOGA0409	Yes	47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	0	1	
GOGA0410	Yes	47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	0	1	
GOGA0412	No	47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	0	1	
GOGA0413	No	47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	0	1	
GOGA0191	No	49010	UNKNOWNC AS DDT IN WHOLE WATER SAMPLE (UG/L)	12/15/69-03/16/71	1	4	
GOGA0209	Yes	49010	UNKNOWNC AS DDT IN WHOLE WATER SAMPLE (UG/L)	05/26/67-06/03/69	2	2	
GOGA0234	No	49010	UNKNOWNC AS DDT IN WHOLE WATER SAMPLE (UG/L)	05/03/73-01/31/79	5	14	
GOGA0244	Yes	49179	TOTAL AMMONIUM, TOTAL, WATER UG/L	11/23/92-11/23/92	0	1	
GOGA0250	Yes	49179	TOTAL AMMONIUM, TOTAL, WATER UG/L	11/23/92-11/23/92	0	1	
GOGA0092	No	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	6	84	
GOGA0095	No	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	01/10/89-12/05/89	0	36	
GOGA0096	No	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	01/10/89-12/05/89	0	36	
GOGA0101	No	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	02/21/89-12/05/89	0	33	
GOGA0112	No	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	02/21/89-11/07/89	0	30	
GOGA0124	No	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	02/21/89-12/05/89	0	33	
GOGA0128	No	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	02/21/89-12/05/89	0	33	
GOGA0189	No	49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	01/10/89-12/05/89	0	36	
GOGA0287	Yes	50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	01/30/72-12/18/72	0	8	
GOGA0287	Yes	50051	FLOW, RATE, INSTANTANEOUS MGD	01/31/72-12/10/72	0	11	
GOGA0033	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/72-08/08/72	0	3	
GOGA0211	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/17/72-07/31/72	0	6	
GOGA0287	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	01/31/72-12/10/72	0	11	
GOGA0211	No	50084	BOD, PLANT EFFLUENT, 5 DAY, 20 DEG C MG/L	05/17/72-05/17/72	0	1	
GOGA0287	Yes	50084	BOD, PLANT EFFLUENT, 5 DAY, 20 DEG C MG/L	01/30/72-12/18/72	0	8	
GOGA0095	No	50786	ORTHOPHOSPHATE AS P, WATER MG/L	01/10/89-12/05/89	0	36	
GOGA0096	No	50786	ORTHOPHOSPHATE AS P, WATER MG/L	01/10/89-12/05/89	0	36	
GOGA0101	No	50786	ORTHOPHOSPHATE AS P, WATER MG/L	02/21/89-12/05/89	0	33	
GOGA0112	No	50786	ORTHOPHOSPHATE AS P, WATER MG/L	02/21/89-11/07/89	0	30	
GOGA0124	No	50786	ORTHOPHOSPHATE AS P, WATER MG/L	02/21/89-12/05/89	0	33	
GOGA0128	No	50786	ORTHOPHOSPHATE AS P, WATER MG/L	02/21/89-12/05/89	0	33	
GOGA0189	No	50786	ORTHOPHOSPHATE AS P, WATER MG/L	01/10/89-12/05/89	0	36	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0161	Yes	50967	ENDOSULFAN II, DRY WEIGHT, SEDIMENT UG/KG	09/30/97-09/30/97	0	2	
GOGA0139	Yes	61057	PERCHLOROETHYLENE,TOT,WATER UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	61057	PERCHLOROETHYLENE,TOT,WATER UG/L	12/05/94-11/26/97	2	49	
GOGA0139	Yes	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	12/05/94-11/26/97	2	49	
GOGA0139	Yes	61290	BENZENE, TOTAL WATER UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	61290	BENZENE, TOTAL WATER UG/L	12/05/94-11/26/97	2	49	
GOGA0026	Yes	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	05/31/06-05/31/06	0	1	
GOGA0035	No	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	05/31/06-05/31/06	0	1	
GOGA0052	Yes	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	05/31/06-05/31/06	0	1	
GOGA0066	Yes	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	05/31/06-05/31/06	0	1	
GOGA0102	No	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/27/06-07/27/06	0	1	
GOGA0108	No	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/27/06-07/27/06	0	1	
GOGA0115	No	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/06/06-07/06/06	0	1	
GOGA0119	No	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/26/06-07/26/06	0	1	
GOGA0120	No	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/06/06-07/06/06	0	1	
GOGA0137	Yes	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	04/27/06-09/25/06	0	4	
GOGA0192	No	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/26/06-07/26/06	0	1	
GOGA0194	No	61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/26/06-07/26/06	0	1	
GOGA0163	No	70222	WAVE HEIGHT (WMO CODE 1555)	01/24/80-12/09/87	7	94	
GOGA0195	Yes	70222	WAVE HEIGHT (WMO CODE 1555)	07/23/80-01/20/87	6	61	
GOGA0221	No	70222	WAVE HEIGHT (WMO CODE 1555)	07/24/80-01/21/87	6	75	
GOGA0241	Yes	70222	WAVE HEIGHT (WMO CODE 1555)	07/23/80-01/20/87	6	66	
GOGA0275	No	70222	WAVE HEIGHT (WMO CODE 1555)	01/31/80-12/08/87	7	92	
GOGA0296	No	70222	WAVE HEIGHT (WMO CODE 1555)	01/24/80-12/08/87	7	95	
GOGA0311	No	70222	WAVE HEIGHT (WMO CODE 1555)	01/31/80-12/08/87	7	95	
GOGA0339	No	70222	WAVE HEIGHT (WMO CODE 1555)	01/24/80-12/08/87	7	95	
GOGA0366	No	70222	WAVE HEIGHT (WMO CODE 1555)	01/31/80-12/08/87	7	94	
GOGA0380	No	70222	WAVE HEIGHT (WMO CODE 1555)	07/23/80-01/20/87	6	70	
GOGA0384	No	70222	WAVE HEIGHT (WMO CODE 1555)	07/23/80-01/20/87	6	78	
GOGA0418	No	70222	WAVE HEIGHT (WMO CODE 1555)	01/31/80-12/08/87	7	95	
GOGA0033	No	70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	08/08/72-08/08/72	0	1	
GOGA0011	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/15/74-04/02/74	0	2	
GOGA0016	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-04/02/74	0	2	
GOGA0032	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	04/02/74-12/27/74	0	2	
GOGA0040	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/14/74-12/27/74	0	3	
GOGA0047	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	04/03/74-02/07/75	0	2	
GOGA0059	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/13/74-04/03/74	0	2	
GOGA0072	Yes	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	02/13/75-02/13/75	0	2	
GOGA0082	Yes	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	04/01/74-04/01/74	0	1	
GOGA0087	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	12/27/73-07/12/74	0	4	
GOGA0090	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	07/27/77-07/27/77	0	1	
GOGA0209	Yes	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/02/66-06/02/66	0	1	
GOGA0228	Yes	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	09/15/69-09/15/69	0	1	
GOGA0016	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/12/74-08/12/74	0	1	
GOGA0019	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/18/74-07/18/74	0	1	
GOGA0039	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/09/63-04/20/64	0	3	
GOGA0054	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/10/87-03/10/87	0	1	
GOGA0087	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/17/73-02/21/74	0	2	
GOGA0104	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/08/88-05/16/89	0	2	
GOGA0110	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/07/88-05/16/89	0	2	
GOGA0117	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/17/89-05/17/89	0	1	
GOGA0134	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/06/88-04/05/90	1	3	
GOGA0139	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/14/94-12/30/96	2	79	
GOGA0140	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/08/88-05/15/89	0	2	
GOGA0146	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/06/88-04/05/90	1	3	
GOGA0154	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/14/94-12/30/96	2	78	
GOGA0246	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/29/86-01/29/86	0	1	
GOGA0251	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/86-06/08/88	1	5	
GOGA0265	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/86-06/08/88	1	5	
GOGA0299	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/30/86-01/30/86	0	1	
GOGA0300	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/25/86-06/02/88	1	5	
GOGA0321	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/30/86-01/30/86	0	1	
GOGA0323	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/26/86-06/07/88	1	5	
GOGA0324	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/25/86-06/02/88	1	5	
GOGA0329	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/31/86-01/31/86	0	1	
GOGA0370	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/31/86-01/31/86	0	1	
GOGA0373	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/26/86-06/07/88	1	5	
GOGA0001	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/29/77-08/29/77	0	1	
GOGA0024	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/05/72-06/05/72	0	1	
GOGA0045	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/05/72-06/05/72	0	1	
GOGA0053	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/17/51-06/05/72	21	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0070	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/29/77-08/29/77	0	1	
GOGA0073	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/05/72-06/05/72	0	1	
GOGA0090	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/27/77-07/27/77	0	1	
GOGA0103	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/11/55-04/29/69	14	4	
GOGA0107	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/11/55-06/05/72	17	3	
GOGA0246	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/86-07/16/87	1	3	
GOGA0265	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/86-06/16/87	0	3	
GOGA0266	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/25/86-06/12/87	0	3	
GOGA0321	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/30/86-01/30/86	0	1	
GOGA0323	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/26/86-06/12/87	0	3	
GOGA0324	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/25/86-06/12/87	0	3	
GOGA0329	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/26/86-06/10/87	0	3	
GOGA0001	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/29/77-08/29/77	0	1	
GOGA0070	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/29/77-08/29/77	0	1	
GOGA0090	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/27/77-07/27/77	0	1	
GOGA0001	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/29/77-08/29/77	0	1	
GOGA0070	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/29/77-08/29/77	0	1	
GOGA0090	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/27/77-07/27/77	0	1	
GOGA0251	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/29/86-07/16/87	1	4	
GOGA0265	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/29/86-06/16/87	1	4	
GOGA0300	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/30/86-06/12/87	1	4	
GOGA0323	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/31/86-06/12/87	1	4	
GOGA0324	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/30/86-06/12/87	1	4	
GOGA0373	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/31/86-06/10/87	1	4	
GOGA0014	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-01/23/98	0	1	
GOGA0017	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-01/23/98	0	1	
GOGA0020	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-10/27/98	0	93	
GOGA0023	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-01/23/98	0	1	
GOGA0031	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-01/23/98	0	1	
GOGA0043	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/23/97-11/04/98	1	259	
GOGA0051	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/97-11/05/98	1	89	
GOGA0077	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/23/97-11/04/98	1	278	
GOGA0003	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/29/70-03/26/71	0	2	
GOGA0089	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/17/65-11/30/67	2	2	
GOGA0090	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/17/65-03/01/82	16	79	T,S
GOGA0265	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/29/86-01/29/86	0	1	
GOGA0300	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/30/86-01/30/86	0	1	
GOGA0323	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/31/86-01/05/88	1	2	
GOGA0324	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/30/86-01/30/86	0	1	
GOGA0373	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/31/86-01/05/88	1	2	
GOGA0432	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/04/87-03/02/89	1	4	
GOGA0435	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/21/77-02/18/80	2	21	
GOGA0003	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11/29/70-03/26/71	0	2	
GOGA0089	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11/17/65-11/17/65	0	1	
GOGA0090	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11/17/65-11/13/81	15	44	T,S
GOGA0432	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/04/88-03/02/89	1	3	
GOGA0435	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11/21/77-02/18/80	2	21	
GOGA0003	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	11/29/70-11/29/70	0	1	
GOGA0089	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	11/17/65-11/17/65	0	1	
GOGA0090	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	11/17/65-11/13/81	15	37	S
GOGA0432	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/04/88-03/02/89	1	3	
GOGA0435	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	11/21/77-02/18/80	2	18	
GOGA0003	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	11/29/70-11/29/70	0	1	
GOGA0090	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	11/17/65-11/13/81	15	26	S
GOGA0432	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	03/02/89-03/02/89	0	2	
GOGA0435	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	11/21/77-02/18/80	2	16	
GOGA0090	No	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	02/01/66-11/13/81	15	4	
GOGA0432	No	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	03/02/89-03/02/89	0	2	
GOGA0435	No	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	01/14/78-12/31/79	1	7	
GOGA0003	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	12/02/70-12/02/70	0	2	
GOGA0089	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/17/65-02/11/69	3	21	
GOGA0090	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/18/65-11/13/81	15	86	T,S
GOGA0435	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/21/77-02/18/80	2	10	
GOGA0003	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	12/02/70-12/02/70	0	2	
GOGA0089	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/17/65-02/11/69	3	21	
GOGA0090	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/17/65-11/13/81	15	90	T,S

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0435	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/21/77-02/18/80	2	14	
GOGA0003	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	12/02/70-12/02/70	0	2	
GOGA0089	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	11/17/65-02/11/69	3	21	
GOGA0090	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	11/18/65-11/13/81	15	86	T,S
GOGA0435	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	11/21/77-02/18/80	2	14	
GOGA0003	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	12/02/70-12/02/70	0	2	
GOGA0089	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/17/65-02/11/69	3	21	
GOGA0090	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/17/65-11/13/81	15	90	T,S
GOGA0435	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/21/77-02/18/80	2	14	
GOGA0003	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	12/02/70-12/02/70	0	2	
GOGA0089	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	11/17/65-02/11/69	3	21	
GOGA0090	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	11/18/65-11/13/81	15	85	T,S
GOGA0435	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	11/21/77-02/18/80	2	14	
GOGA0003	No	70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	12/02/70-12/02/70	0	2	
GOGA0089	No	70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/17/65-02/24/69	3	28	
GOGA0090	No	70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/18/65-01/27/81	15	74	T,S
GOGA0435	No	70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	02/16/80-02/17/80	0	2	
GOGA0003	No	70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	12/02/70-12/02/70	0	2	
GOGA0089	No	70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/17/65-02/24/69	3	28	
GOGA0090	No	70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/18/65-01/27/81	15	74	T,S
GOGA0435	No	70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	02/16/80-02/17/80	0	2	
GOGA0003	No	70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	12/02/70-12/02/70	0	2	
GOGA0089	No	70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/17/65-02/24/69	3	28	
GOGA0090	No	70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/18/65-01/27/81	15	74	T,S
GOGA0435	No	70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	02/16/80-02/17/80	0	2	
GOGA0003	No	70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	12/02/70-12/02/70	0	2	
GOGA0089	No	70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/17/65-02/11/69	3	16	
GOGA0090	No	70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/18/65-01/27/81	15	61	T,S
GOGA0435	No	70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	02/16/80-02/17/80	0	2	
GOGA0089	No	70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	11/17/65-02/06/69	3	5	
GOGA0090	No	70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	02/01/66-01/27/81	14	13	
GOGA0089	No	70347	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 2.00MM	01/29/69-01/29/69	0	1	
GOGA0090	No	70347	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 2.00MM	02/01/66-11/24/70	4	2	
GOGA0149	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/29/96-07/03/97	0	3	
GOGA0156	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/28/97-09/30/97	0	3	
GOGA0244	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/23/92-11/23/92	0	1	
GOGA0250	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/23/92-11/23/92	0	1	
GOGA0318	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/13/95-03/13/95	0	1	
GOGA0368	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/13/95-03/13/95	0	1	
GOGA0408	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/08/95-03/08/95	0	1	
GOGA0244	Yes	70511	PHOSPHORUS,ORTHO,IN BOTTOM DEPOS.(MG/KG-P DRY WT)	11/23/92-11/23/92	0	1	
GOGA0245	Yes	70511	PHOSPHORUS,ORTHO,IN BOTTOM DEPOS.(MG/KG-P DRY WT)	11/23/92-11/23/92	0	1	
GOGA0248	Yes	70511	PHOSPHORUS,ORTHO,IN BOTTOM DEPOS.(MG/KG-P DRY WT)	11/23/92-11/23/92	0	1	
GOGA0250	Yes	70511	PHOSPHORUS,ORTHO,IN BOTTOM DEPOS.(MG/KG-P DRY WT)	11/23/92-11/23/92	0	1	
GOGA0187	No	70971	LIGHT, ATTENUATION COEFFICIENT (ALPHA/M)	02/01/78-12/21/78	0	325	
GOGA0305	No	70971	LIGHT, ATTENUATION COEFFICIENT (ALPHA/M)	01/31/78-12/20/78	0	310	
GOGA0414	No	70971	LIGHT, ATTENUATION COEFFICIENT (ALPHA/M)	01/31/78-12/20/78	0	209	
GOGA0092	No	71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	03/14/90-12/05/95	5	303	
GOGA0095	No	71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	01/10/89-12/05/89	0	90	
GOGA0096	No	71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	01/10/89-12/05/89	0	158	
GOGA0101	No	71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	6	261	
GOGA0112	No	71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	6	238	
GOGA0124	No	71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	6	240	
GOGA0128	No	71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	6	251	
GOGA0189	No	71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/89	0	145	
GOGA0054	No	71830	HYDROXIDE ION (MG/L AS OH)	03/10/87-03/10/87	0	1	
GOGA0102	No	71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/27/06-07/27/06	0	1	
GOGA0108	No	71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/27/06-07/27/06	0	1	
GOGA0115	No	71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/06/06-07/06/06	0	1	
GOGA0119	No	71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/26/06-07/26/06	0	1	
GOGA0120	No	71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/06/06-07/06/06	0	1	
GOGA0137	Yes	71840	OXYGEN CONSUMED, UNFILTERED MG/L	09/11/06-09/25/06	0	3	
GOGA0192	No	71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/26/06-07/26/06	0	1	
GOGA0194	No	71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/26/06-07/26/06	0	1	
GOGA0187	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/09/77-11/08/78	0	28	
GOGA0229	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/09/77-11/08/78	0	6	
GOGA0230	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/09/77-11/08/78	0	28	
GOGA0305	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/10/77-03/15/78	0	2	
GOGA0362	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/10/77-11/09/78	0	28	
GOGA0414	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/10/77-11/09/78	0	9	
GOGA0035	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	05/31/06-05/31/06	0	1	
GOGA0054	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/10/87-03/10/87	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0060	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	02/03/81-05/05/83	2	2	
GOGA0102	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/27/06-07/27/06	0	1	
GOGA0108	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/27/06-07/27/06	0	1	
GOGA0115	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/06/06-07/06/06	0	1	
GOGA0119	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/26/06-07/26/06	0	1	
GOGA0120	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/06/06-07/06/06	0	1	
GOGA0137	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/27/06-09/25/06	0	4	
GOGA0139	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/14/94-12/30/96	2	82	
GOGA0154	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/14/94-12/30/96	2	80	
GOGA0192	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/26/06-07/26/06	0	1	
GOGA0194	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/26/06-07/26/06	0	1	
GOGA0005	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/15/74-12/04/74	0	3	
GOGA0011	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/15/74-03/13/75	0	5	
GOGA0012	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/26/74-12/13/74	0	4	
GOGA0013	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/07/69-03/07/69	0	1	
GOGA0016	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/26/74-12/04/74	0	4	
GOGA0019	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/26/74-12/13/74	0	4	
GOGA0022	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/26/74-12/13/74	0	3	
GOGA0027	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/27/54-03/12/54	0	2	
GOGA0032	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/26/74-12/04/74	0	3	
GOGA0036	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/12/54-03/12/54	0	1	
GOGA0039	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/63-11/14/63	0	2	
GOGA0040	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/28/53-12/04/74	21	6	
GOGA0044	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/14/74-03/13/75	0	4	
GOGA0047	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/14/74-12/03/74	0	4	
GOGA0057	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/14/74-03/13/75	0	5	
GOGA0058	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/14/74-12/03/74	0	4	
GOGA0059	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/13/74-03/13/75	1	5	
GOGA0067	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/27/53-12/02/74	21	6	
GOGA0072	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/27/53-03/13/75	22	6	
GOGA0079	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/27/53-06/09/53	0	2	
GOGA0080	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/73-05/13/74	0	5	
GOGA0081	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/27/53-06/09/53	0	2	
GOGA0082	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/17/73-05/13/74	0	4	
GOGA0085	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/73-05/13/74	0	5	
GOGA0087	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/17/73-05/13/74	0	4	
GOGA0187	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/09/77-11/08/78	0	26	
GOGA0188	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/20/59-08/20/59	0	2	
GOGA0229	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/09/77-07/12/78	0	4	
GOGA0230	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/09/77-11/08/78	0	20	
GOGA0234	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/27/74-11/09/78	4	50	
GOGA0271	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/06/54-01/06/54	0	1	
GOGA0305	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/10/77-07/13/78	0	3	
GOGA0315	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/06/54-01/06/54	0	1	
GOGA0359	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/10/54-03/10/54	0	1	
GOGA0362	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/10/77-11/09/78	0	24	
GOGA0388	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/10/54-03/10/54	0	1	
GOGA0414	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/10/77-11/08/78	0	7	
GOGA0431	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/10/54-03/10/54	0	1	
GOGA0187	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/09/77-11/08/78	0	26	
GOGA0229	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/09/77-07/12/78	0	4	
GOGA0230	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/09/77-11/08/78	0	20	
GOGA0305	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/10/77-07/13/78	0	3	
GOGA0362	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/10/77-11/09/78	0	25	
GOGA0414	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/10/77-11/08/78	0	7	
GOGA0014	Yes	71870	BROMIDE (MG/L AS BR)	01/23/98-01/23/98	0	1	
GOGA0017	Yes	71870	BROMIDE (MG/L AS BR)	01/23/98-01/23/98	0	1	
GOGA0020	Yes	71870	BROMIDE (MG/L AS BR)	01/23/98-01/23/98	0	1	
GOGA0021	Yes	71870	BROMIDE (MG/L AS BR)	01/23/98-03/27/98	0	12	
GOGA0023	Yes	71870	BROMIDE (MG/L AS BR)	01/23/98-01/23/98	0	1	
GOGA0031	Yes	71870	BROMIDE (MG/L AS BR)	01/23/98-01/23/98	0	1	
GOGA0043	Yes	71870	BROMIDE (MG/L AS BR)	06/19/96-04/06/98	1	142	
GOGA0051	Yes	71870	BROMIDE (MG/L AS BR)	07/30/96-04/17/98	1	34	
GOGA0077	Yes	71870	BROMIDE (MG/L AS BR)	03/06/96-02/24/98	1	121	
GOGA0104	No	71870	BROMIDE (MG/L AS BR)	12/08/88-05/16/89	0	2	
GOGA0106	No	71870	BROMIDE (MG/L AS BR)	11/17/87-05/02/88	0	3	
GOGA0110	No	71870	BROMIDE (MG/L AS BR)	12/07/88-05/16/89	0	2	
GOGA0117	No	71870	BROMIDE (MG/L AS BR)	05/17/89-05/17/89	0	1	
GOGA0134	No	71870	BROMIDE (MG/L AS BR)	12/06/88-04/05/90	1	3	
GOGA0140	Yes	71870	BROMIDE (MG/L AS BR)	12/08/88-05/15/89	0	2	
GOGA0146	Yes	71870	BROMIDE (MG/L AS BR)	12/06/88-04/05/90	1	3	
GOGA0051	Yes	71875	HYDROGEN SULFIDE (MG/L)	10/06/98-11/05/98	0	5	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0090	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/27/77-07/27/77	0	1	
GOGA0138	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/29/95-10/30/95	0	2	
GOGA0143	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/29/95-10/30/95	0	2	
GOGA0153	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/29/95-10/30/95	0	2	
GOGA0165	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/29/95-10/30/95	0	2	
GOGA0173	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/29/95-10/30/95	0	2	
GOGA0249	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/14/93-07/14/93	0	1	
GOGA0262	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/14/93-07/14/93	0	1	
GOGA0270	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/14/93-07/14/93	0	1	
GOGA0276	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/14/93-07/14/93	0	1	
GOGA0318	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	03/13/95-03/13/95	0	1	
GOGA0319	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	03/07/94-03/07/94	0	1	
GOGA0368	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	03/13/95-03/13/95	0	1	
GOGA0369	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	03/07/94-03/07/94	0	1	
GOGA0407	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	03/07/94-03/07/94	0	1	
GOGA0408	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	03/08/95-03/08/95	0	1	
GOGA0033	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/08/72-08/08/72	0	1	
GOGA0139	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	03/14/94-12/30/96	2	82	
GOGA0149	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/29/96-07/03/97	0	3	
GOGA0154	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	03/14/94-12/30/96	2	82	
GOGA0156	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	09/30/97-09/30/97	0	1	
GOGA0175	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	0	3	
GOGA0182	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	0	3	
GOGA0184	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	0	3	
GOGA0186	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	0	3	
GOGA0193	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	0	3	
GOGA0206	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	0	3	
GOGA0246	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/29/86-01/29/86	0	1	
GOGA0251	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/24/86-06/08/88	1	5	
GOGA0265	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/24/86-06/08/88	1	5	
GOGA0266	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/30/86-01/30/86	0	1	
GOGA0300	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/25/86-06/02/88	1	5	
GOGA0323	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/26/86-06/07/88	1	5	
GOGA0324	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/25/86-06/02/88	1	5	
GOGA0329	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	01/31/86-01/31/86	0	1	
GOGA0373	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/26/86-06/07/88	1	5	
GOGA0150	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0161	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/30/97-09/30/97	0	2	
GOGA0365	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0377	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0365	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0377	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0365	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0377	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0365	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0377	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0365	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0377	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0365	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0377	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/08/72-04/08/72	0	1	
GOGA0139	Yes	73570	2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER TOTWUG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	73570	2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER TOTWUG/L	12/05/94-11/26/97	2	47	
GOGA0021	Yes	74010	IRON, TOTAL (MG/L AS FE)	06/05/98-10/27/98	0	21	
GOGA0043	Yes	74010	IRON, TOTAL (MG/L AS FE)	05/26/98-11/04/98	0	27	
GOGA0051	Yes	74010	IRON, TOTAL (MG/L AS FE)	06/05/98-11/05/98	0	18	
GOGA0077	Yes	74010	IRON, TOTAL (MG/L AS FE)	08/18/97-11/04/98	1	33	
GOGA0161	Yes	75041	BHC,ALPHA- SEDIMENT,DRY,WT,UG/KG	09/30/97-09/30/97	0	2	
GOGA0139	Yes	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	49	
GOGA0139	Yes	77128	STYRENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77128	STYRENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	77135	O-XYLENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77135	O-XYLENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	49	
GOGA0139	Yes	77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	49	
GOGA0139	Yes	77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0154	Yes	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0139	Yes	77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	49	
GOGA0139	Yes	77224	N-PROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77224	N-PROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	49	
GOGA0139	Yes	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	12/05/94-11/26/97	2	46	
GOGA0139	Yes	77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	77342	N-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0154	Yes	77342	N-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0139	Yes	77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	49	
GOGA0139	Yes	77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0139	Yes	77596	METHYLENE BROMIDE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77596	METHYLENE BROMIDE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	77923	1-CHLOROBUTANE IN WATER UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	77923	1-CHLOROBUTANE IN WATER UG/L	12/05/94-11/26/97	2	48	
GOGA0139	Yes	78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	12/05/94-11/26/97	2	49	
GOGA0003	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/29/70-03/26/71	0	4	
GOGA0089	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-02/24/69	3	30	
GOGA0090	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	16	154	T,S
GOGA0187	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/09/77-05/25/78	0	3	
GOGA0230	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/09/77-05/25/78	0	4	
GOGA0265	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/29/86-03/22/88	2	2	
GOGA0300	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/30/86-03/22/88	2	2	
GOGA0323	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/31/86-01/05/88	1	2	
GOGA0324	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/30/86-03/23/88	2	2	
GOGA0362	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/10/77-05/25/78	0	4	
GOGA0373	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/31/86-01/05/88	1	2	
GOGA0432	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/04/87-03/02/89	1	4	
GOGA0435	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/77-02/18/80	2	23	
GOGA0003	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/29/70-03/26/71	0	4	
GOGA0089	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-02/24/69	3	30	
GOGA0090	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	15	122	T,S
GOGA0265	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/29/86-03/22/88	2	2	
GOGA0300	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/30/86-03/22/88	2	2	
GOGA0323	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/31/86-01/05/88	1	2	
GOGA0324	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/30/86-03/23/88	2	2	
GOGA0373	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/31/86-01/05/88	1	2	
GOGA0435	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/77-02/18/80	2	23	
GOGA0007	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	06/13/90-06/13/90	0	1	
GOGA0423	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	12/17/87-10/12/88	0	4	
GOGA0424	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	12/17/87-10/12/88	0	4	
GOGA0425	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	12/17/87-10/12/88	0	2	
GOGA0427	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	10/12/88-10/12/88	0	1	
GOGA0428	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	12/17/87-12/17/87	0	1	
GOGA0429	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	10/12/88-10/12/88	0	2	
GOGA0430	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	12/17/87-12/17/87	0	1	
GOGA0435	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	10/04/77-09/04/79	1	13	
GOGA0007	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	06/13/90-06/13/90	0	1	
GOGA0423	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-10/12/88	0	4	
GOGA0424	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-10/12/88	0	4	
GOGA0425	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-10/12/88	0	4	
GOGA0427	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	10/12/88-10/12/88	0	2	
GOGA0428	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-12/17/87	0	2	
GOGA0429	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-10/12/88	0	3	
GOGA0430	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-12/17/87	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0435	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	10/04/77-09/04/79	1	15	
GOGA0007	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	06/13/90-06/13/90	0	1	
GOGA0423	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	0	4	
GOGA0424	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	0	4	
GOGA0425	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	0	4	
GOGA0427	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	10/12/88-10/12/88	0	2	
GOGA0428	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	0	4	
GOGA0429	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	0	4	
GOGA0430	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	0	4	
GOGA0435	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	10/04/77-09/04/79	1	15	
GOGA0007	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	06/13/90-06/13/90	0	1	
GOGA0423	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	0	4	
GOGA0424	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	0	4	
GOGA0425	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	0	4	
GOGA0427	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	10/12/88-10/12/88	0	2	
GOGA0428	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	0	4	
GOGA0429	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	0	4	
GOGA0430	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	0	4	
GOGA0435	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	10/04/77-09/04/79	1	15	
GOGA0007	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	06/13/90-06/13/90	0	1	
GOGA0423	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	0	4	
GOGA0424	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	0	4	
GOGA0425	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	0	4	
GOGA0427	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	10/12/88-10/12/88	0	2	
GOGA0428	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	0	4	
GOGA0429	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	0	4	
GOGA0430	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	0	4	
GOGA0435	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	10/04/77-09/04/79	1	15	
GOGA0007	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	06/13/90-06/13/90	0	1	
GOGA0423	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	0	4	
GOGA0424	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	0	4	
GOGA0425	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	0	4	
GOGA0427	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	10/12/88-10/12/88	0	2	
GOGA0428	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	0	4	
GOGA0429	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	0	4	
GOGA0430	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	0	4	
GOGA0435	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	10/04/77-09/04/79	1	15	
GOGA0007	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	06/13/90-06/13/90	0	1	
GOGA0423	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	0	4	
GOGA0424	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	0	4	
GOGA0425	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	0	2	
GOGA0427	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	10/12/88-10/12/88	0	2	
GOGA0428	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	0	4	
GOGA0429	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	0	3	
GOGA0430	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	0	4	
GOGA0435	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	10/04/77-09/04/79	1	15	
GOGA0007	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	06/13/90-06/13/90	0	1	
GOGA0423	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	12/17/87-10/12/88	0	3	
GOGA0424	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	12/17/87-12/17/87	0	1	
GOGA0428	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	12/17/87-10/12/88	0	4	
GOGA0429	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	12/17/87-12/17/87	0	2	
GOGA0430	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	12/17/87-10/12/88	0	3	
GOGA0435	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	10/04/77-09/04/79	1	15	
GOGA0007	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	06/13/90-06/13/90	0	1	
GOGA0423	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	12/17/87-10/12/88	0	2	
GOGA0428	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	12/17/87-10/12/88	0	4	
GOGA0429	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	12/17/87-12/17/87	0	2	
GOGA0430	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	12/17/87-10/12/88	0	3	
GOGA0435	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	10/04/77-09/04/79	1	14	
GOGA0007	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	06/13/90-06/13/90	0	1	
GOGA0423	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	12/17/87-10/12/88	0	2	
GOGA0428	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	10/12/88-10/12/88	0	1	
GOGA0429	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	12/17/87-12/17/87	0	2	
GOGA0430	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	12/17/87-10/12/88	0	3	
GOGA0435	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	10/04/77-09/04/79	1	14	
GOGA0429	No	80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	12/17/87-12/17/87	0	1	
GOGA0435	No	80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	10/04/77-09/04/79	1	11	
GOGA0432	No	80225	BEDLOAD SEDIMENT DISCHARGE (TONS/DAY)	12/04/87-03/02/89	1	4	
GOGA0435	No	80225	BEDLOAD SEDIMENT DISCHARGE (TONS/DAY)	11/21/77-09/15/80	2	23	
GOGA0432	No	80226	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .062MM	12/04/87-03/02/89	1	3	
GOGA0435	No	80226	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .062MM	11/21/77-01/14/78	0	2	
GOGA0432	No	80227	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .125MM	12/04/87-03/02/89	1	4	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0435	No	80227	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .125MM	11/21/77-01/11/79	1	8	
GOGA0432	No	80228	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .250MM	12/04/87-03/02/89	1	4	
GOGA0435	No	80228	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .250MM	11/21/77-02/18/80	2	13	
GOGA0432	No	80229	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .500MM	12/04/87-03/02/89	1	4	
GOGA0435	No	80229	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .500MM	11/21/77-02/18/80	2	13	
GOGA0432	No	80230	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 1.00MM	12/04/87-03/02/89	1	4	
GOGA0435	No	80230	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 1.00MM	11/21/77-02/18/80	2	13	
GOGA0432	No	80231	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 2.00MM	12/04/87-03/02/89	1	4	
GOGA0435	No	80231	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 2.00MM	11/21/77-02/18/80	2	13	
GOGA0432	No	80232	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 4.00MM	12/04/87-03/02/89	1	3	
GOGA0435	No	80232	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 4.00MM	11/21/77-02/18/80	2	13	
GOGA0432	No	80233	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 8.00MM	12/04/87-03/02/89	1	3	
GOGA0435	No	80233	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 8.00MM	11/21/77-02/18/80	2	13	
GOGA0432	No	80234	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 16.0MM	01/04/88-01/04/88	0	1	
GOGA0435	No	80234	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 16.0MM	11/21/77-02/18/80	2	13	
GOGA0435	No	80235	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 32.0MM	11/21/77-02/18/80	2	12	
GOGA0435	No	80236	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 64.0MM	12/22/77-02/18/80	2	7	
GOGA0133	No	81280	NONPURGEABLE ORGANIC CARBON MG/L	03/28/75-03/28/75	0	1	
GOGA0335	No	81380	VELOCITY OF DISCHARGE, METERS/SECOND	02/14/88-04/10/88	0	2	
GOGA0360	Yes	81380	VELOCITY OF DISCHARGE, METERS/SECOND	02/14/88-04/10/88	0	2	
GOGA0375	Yes	81380	VELOCITY OF DISCHARGE, METERS/SECOND	02/14/88-04/10/88	0	2	
GOGA0385	Yes	81380	VELOCITY OF DISCHARGE, METERS/SECOND	02/14/88-04/10/88	0	2	
GOGA0386	Yes	81380	VELOCITY OF DISCHARGE, METERS/SECOND	02/14/88-04/10/88	0	2	
GOGA0139	Yes	81555	BROMOBENZENE WHL WATER SMPL UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	81555	BROMOBENZENE WHL WATER SMPL UG/L	12/05/94-11/26/97	2	47	
GOGA0139	Yes	81597	METHYL METHACRYLATE WHL WATER SMPL UG/L	12/05/94-11/26/97	2	48	
GOGA0154	Yes	81597	METHYL METHACRYLATE WHL WATER SMPL UG/L	12/05/94-11/26/97	2	47	
GOGA0129	No	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/70	4	60	
GOGA0344	No	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	6	84	
GOGA0345	No	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/68	2	35	
GOGA0346	No	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/68	2	36	
GOGA0129	No	81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	01/01/66-05/01/70	4	50	
GOGA0344	No	81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	01/01/66-02/01/72	6	34	
GOGA0345	No	81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	09/01/66-01/01/68	1	17	
GOGA0346	No	81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	01/01/66-12/01/67	1	24	
GOGA0129	No	81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	4	50	
GOGA0344	No	81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-02/01/72	6	34	
GOGA0345	No	81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	09/01/66-01/01/68	1	17	
GOGA0346	No	81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-12/01/67	1	24	
GOGA0129	No	81637	SHELLFISH SPECIES NUMERIC CODE	01/01/66-12/01/70	4	60	
GOGA0344	No	81637	SHELLFISH SPECIES NUMERIC CODE	01/01/66-12/01/72	6	84	
GOGA0345	No	81637	SHELLFISH SPECIES NUMERIC CODE	01/01/66-12/01/68	2	35	
GOGA0346	No	81637	SHELLFISH SPECIES NUMERIC CODE	01/01/66-12/01/68	2	36	
GOGA0129	No	81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	4	50	
GOGA0344	No	81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-02/01/72	6	34	
GOGA0345	No	81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	09/01/66-01/01/68	1	17	
GOGA0346	No	81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-12/01/67	1	24	
GOGA0129	No	81716	DIELDRIN IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-12/01/68	2	34	
GOGA0344	No	81716	DIELDRIN IN SHELLFISH TISSUE DRY WEIGHT UG/KG	11/01/70-02/01/72	1	2	
GOGA0344	No	81717	ENDRIN IN SHELLFISH TISSUE DRY WEIGHT UG/KG	11/01/70-11/01/70	0	1	
GOGA0246	Yes	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/29/86-01/29/86	0	1	
GOGA0266	Yes	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/29/86-01/29/86	0	1	
GOGA0299	Yes	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/30/86-01/30/86	0	1	
GOGA0321	Yes	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/30/86-01/30/86	0	1	
GOGA0329	Yes	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/31/86-01/31/86	0	1	
GOGA0370	Yes	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/31/86-01/31/86	0	1	
GOGA0251	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/24/86-06/24/86	0	1	
GOGA0265	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/24/86-06/24/86	0	1	
GOGA0300	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/25/86-06/25/86	0	1	
GOGA0323	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/26/86-06/26/86	0	1	
GOGA0324	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	07/07/86-07/07/86	0	1	
GOGA0373	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	07/07/86-07/07/86	0	1	
GOGA0150	Yes	81900	SEDIMENT CORE SAMPLE,UPPER DEPTH,REPORT IN INCHES	09/30/97-09/30/97	0	2	
GOGA0161	Yes	81900	SEDIMENT CORE SAMPLE,UPPER DEPTH,REPORT IN INCHES	09/30/97-09/30/97	0	2	
GOGA0150	Yes	81901	SEDIMENT CORE SAMPLE, LOWER DEPTH,REPORT IN INCHES	09/30/97-09/30/97	0	2	
GOGA0161	Yes	81901	SEDIMENT CORE SAMPLE, LOWER DEPTH,REPORT IN INCHES	09/30/97-09/30/97	0	2	
GOGA0242	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/11/78-02/07/79	0	5	
GOGA0274	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/11/78-02/07/79	0	5	
GOGA0334	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/11/78-02/07/79	0	5	
GOGA0374	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/12/78-02/08/79	0	5	
GOGA0419	No	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/12/78-02/08/79	0	5	
GOGA0014	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-01/23/98	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0017	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-01/23/98	0	1	
GOGA0020	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-01/23/98	0	1	
GOGA0021	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-10/27/98	0	40	
GOGA0023	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-01/23/98	0	1	
GOGA0031	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-01/23/98	0	1	
GOGA0043	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/19/96-11/04/98	2	242	
GOGA0051	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/30/96-11/05/98	2	70	
GOGA0063	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	02/27/98-04/30/98	0	35	
GOGA0064	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	02/27/98-04/30/98	0	28	
GOGA0068	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	02/27/98-04/30/98	0	40	
GOGA0069	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	02/27/98-04/30/98	0	39	
GOGA0075	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	02/27/98-04/30/98	0	45	
GOGA0077	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/06/96-11/04/98	2	239	
GOGA0138	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/06/95-11/10/95	0	10	
GOGA0139	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/21/94-12/30/96	2	77	
GOGA0143	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/06/95-11/10/95	0	10	
GOGA0147	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-11/21/96	0	2	
GOGA0153	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/06/95-11/10/95	0	10	
GOGA0154	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/21/94-12/30/96	2	76	
GOGA0157	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/11/93-09/18/94	0	5	
GOGA0158	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/11/93-09/18/94	0	5	
GOGA0165	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/06/95-11/10/95	0	10	
GOGA0173	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/06/95-11/10/95	0	10	
GOGA0249	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/08/93-08/05/93	0	3	
GOGA0252	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-03/02/97	0	4	
GOGA0257	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/93-08/05/93	0	4	
GOGA0262	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/08/93-08/05/93	0	3	
GOGA0263	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-03/02/97	0	4	
GOGA0264	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/93-08/12/93	0	8	
GOGA0269	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/30/93-08/12/93	0	3	
GOGA0270	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/93-07/22/93	0	5	
GOGA0272	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/30/93-08/12/93	0	3	
GOGA0273	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-03/02/97	0	4	
GOGA0276	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/02/93-08/12/93	0	7	
GOGA0280	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/22/93-08/12/93	0	4	
GOGA0281	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/22/93-08/12/93	0	4	
GOGA0304	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/19/96-03/02/97	0	3	
GOGA0310	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/19/96-03/02/97	0	3	
GOGA0318	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/13/95-03/13/95	0	1	
GOGA0319	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/07/94-04/25/94	0	2	
GOGA0327	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-03/02/97	0	4	
GOGA0342	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-03/02/97	0	4	
GOGA0351	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/29/96-03/02/97	0	4	
GOGA0368	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/13/95-03/13/95	0	1	
GOGA0369	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/07/94-04/25/94	0	2	
GOGA0371	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/29/96-03/02/97	0	4	
GOGA0382	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	0	1	
GOGA0383	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	0	1	
GOGA0389	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	0	1	
GOGA0390	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	0	1	
GOGA0404	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	0	1	
GOGA0407	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/07/94-04/25/94	0	2	
GOGA0408	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/08/95-03/08/95	0	1	
GOGA0409	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	0	1	
GOGA0410	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	0	1	
GOGA0412	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	0	1	
GOGA0413	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	0	1	
GOGA0054	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/10/87-03/10/87	0	1	
GOGA0104	No	82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	05/16/89-05/16/89	0	1	
GOGA0106	No	82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	11/17/87-05/02/88	0	3	
GOGA0110	No	82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	08/19/88-05/16/89	0	2	
GOGA0117	No	82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	05/17/89-05/17/89	0	1	
GOGA0134	No	82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	05/15/89-05/15/89	0	1	
GOGA0140	Yes	82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	05/15/89-05/15/89	0	1	
GOGA0146	Yes	82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	05/15/89-05/15/89	0	1	
GOGA0134	No	82084	NITROGEN-15/NITROGEN-14 STABLE ISOTOPE RATIO/MIL	04/05/90-04/05/90	0	1	
GOGA0104	No	82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	05/16/89-05/16/89	0	1	
GOGA0106	No	82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	11/17/87-05/02/88	0	3	
GOGA0110	No	82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	08/19/88-05/16/89	0	2	
GOGA0117	No	82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	05/17/89-05/17/89	0	1	
GOGA0134	No	82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	05/15/89-05/15/89	0	1	
GOGA0140	Yes	82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	05/15/89-05/15/89	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0146	Yes	82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	05/15/89-05/15/89	0	1	
GOGA0246	Yes	82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/29/86-01/29/86	0	1	
GOGA0266	Yes	82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/29/86-01/29/86	0	1	
GOGA0299	Yes	82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/30/86-01/30/86	0	1	
GOGA0321	Yes	82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/30/86-01/30/86	0	1	
GOGA0329	Yes	82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/31/86-01/31/86	0	1	
GOGA0370	Yes	82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/31/86-01/31/86	0	1	
GOGA0106	No	82398	SAMPLING METHOD (CODES)	03/01/88-03/01/88	0	1	
GOGA0117	No	82398	SAMPLING METHOD (CODES)	05/17/89-05/17/89	0	1	
GOGA0134	No	82398	SAMPLING METHOD (CODES)	12/06/88-04/05/90	1	3	
GOGA0140	Yes	82398	SAMPLING METHOD (CODES)	12/08/88-05/15/89	0	2	
GOGA0146	Yes	82398	SAMPLING METHOD (CODES)	12/06/88-04/05/90	1	3	
GOGA0246	Yes	82398	SAMPLING METHOD (CODES)	01/29/86-01/29/86	0	1	
GOGA0266	Yes	82398	SAMPLING METHOD (CODES)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	82398	SAMPLING METHOD (CODES)	01/30/86-01/30/86	0	1	
GOGA0321	Yes	82398	SAMPLING METHOD (CODES)	01/30/86-01/30/86	0	1	
GOGA0329	Yes	82398	SAMPLING METHOD (CODES)	01/31/86-01/31/86	0	1	
GOGA0370	Yes	82398	SAMPLING METHOD (CODES)	01/31/86-01/31/86	0	1	
GOGA0006	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	03/23/59-03/23/59	0	1	
GOGA0046	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	03/29/59-03/29/59	0	1	
GOGA0048	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	03/30/59-03/30/59	0	1	
GOGA0146	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	05/15/89-04/05/90	0	2	
GOGA0187	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	12/21/78-12/21/78	0	1	
GOGA0229	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/08/78-11/08/78	0	1	
GOGA0230	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/08/78-11/08/78	0	1	
GOGA0246	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	01/30/86-01/30/86	0	1	
GOGA0305	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	12/20/78-12/20/78	0	1	
GOGA0362	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/09/78-11/09/78	0	1	
GOGA0370	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	01/31/86-01/31/86	0	1	
GOGA0414	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	12/20/78-12/20/78	0	1	
GOGA0006	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	03/23/59-03/23/59	0	1	
GOGA0046	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	03/29/59-03/29/59	0	1	
GOGA0048	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	03/30/59-03/30/59	0	1	
GOGA0104	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	05/16/89-05/16/89	0	1	
GOGA0146	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	05/15/89-04/05/90	0	2	
GOGA0187	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	12/21/78-12/21/78	0	1	
GOGA0229	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/08/78-11/08/78	0	1	
GOGA0230	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/08/78-11/08/78	0	1	
GOGA0246	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	01/29/86-01/29/86	0	1	
GOGA0299	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	01/30/86-01/30/86	0	1	
GOGA0305	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	12/20/78-12/20/78	0	1	
GOGA0362	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/09/78-11/09/78	0	1	
GOGA0370	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	01/31/86-01/31/86	0	1	
GOGA0414	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	12/20/78-12/20/78	0	1	
GOGA0129	No	84007	ANATOMY ALPHA CODE	01/01/66-12/01/70	4	60	
GOGA0344	No	84007	ANATOMY ALPHA CODE	01/01/66-12/01/72	6	84	
GOGA0345	No	84007	ANATOMY ALPHA CODE	01/01/66-12/01/68	2	35	
GOGA0346	No	84007	ANATOMY ALPHA CODE	01/01/66-12/01/68	2	36	
GOGA0129	No	84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	01/01/66-12/01/70	4	60	
GOGA0344	No	84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	01/01/66-12/01/72	6	84	
GOGA0345	No	84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	01/01/66-12/01/68	2	35	
GOGA0346	No	84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	01/01/66-12/01/68	2	36	
GOGA0129	No	84009	SHELLFISH SPECIES ALPHANUMERIC CODE	01/01/66-12/01/70	4	60	
GOGA0344	No	84009	SHELLFISH SPECIES ALPHANUMERIC CODE	01/01/66-12/01/72	6	84	
GOGA0345	No	84009	SHELLFISH SPECIES ALPHANUMERIC CODE	01/01/66-12/01/68	2	35	
GOGA0346	No	84009	SHELLFISH SPECIES ALPHANUMERIC CODE	01/01/66-12/01/68	2	36	
GOGA0092	No	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	03/14/90-12/03/96	6	27	
GOGA0095	No	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	01/10/89-12/05/89	0	12	
GOGA0096	No	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	01/10/89-12/05/89	0	12	
GOGA0101	No	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	03/07/89-12/03/96	7	38	
GOGA0112	No	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	02/21/89-12/03/96	7	38	
GOGA0124	No	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	02/21/89-12/03/96	7	39	
GOGA0128	No	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	02/21/89-12/03/96	7	37	
GOGA0189	No	84381	TIDAL STAGE-SLCK(SLACK),HIGH,LOW,EBB,FLD(FLOOD) 9	02/21/89-12/05/89	0	11	
GOGA0026	Yes	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	05/31/06-05/31/06	0	1	
GOGA0035	No	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	05/31/06-05/31/06	0	1	
GOGA0052	Yes	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	05/31/06-05/31/06	0	1	
GOGA0066	Yes	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	05/31/06-05/31/06	0	1	
GOGA0102	No	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	10/05/06-10/05/06	0	1	
GOGA0108	No	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	10/05/06-10/05/06	0	1	
GOGA0115	No	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	07/06/06-07/06/06	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 12/29/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GOGA0119	No	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	10/05/06-10/05/06	0	1	
GOGA0120	No	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	07/06/06-07/06/06	0	1	
GOGA0137	Yes	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	04/27/06-09/25/06	0	4	
GOGA0192	No	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	08/01/06-08/01/06	0	1	
GOGA0194	No	84382	TOTAL COLIFORM PRESENCE OR ABSENCE (YES/NO)	07/26/06-07/26/06	0	1	
GOGA0132	No	85504	ALPHA COUNT IN MEDIA OTHER THAN WATER (PC/L)	01/07/71-10/07/71	0	7	
GOGA0132	No	85505	ALPHA COUNTING ERROR IN MEDIA OTHER THAN WATER	01/07/71-10/07/71	0	7	
GOGA0132	No	85506	BETA COUNT IN MEDIA OTHER THAN WATER (PC/L)	01/07/71-10/07/71	0	7	
GOGA0132	No	85507	BETA COUNTING ERROR IN MEDIA OTHER THAN WATER	01/07/71-10/07/71	0	7	
GOGA0132	No	85508	BARIUM-LANTHANUM IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	5	121	
GOGA0132	No	85509	BARIUM-LANTHANUM, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	5	121	
GOGA0132	No	85514	CESIUM-137 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	5	121	
GOGA0132	No	85515	CESIUM-137, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	5	121	
GOGA0132	No	85516	IODINE-131 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	5	121	
GOGA0132	No	85517	IODINE-131, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	5	121	
GOGA0132	No	85520	POTASSIUM-40 IN PASTEURIZED MILK (GM/L)	01/02/69-01/10/74	5	121	
GOGA0132	No	85521	POTASSIUM-40, COUNTING ERROR IN MILK (GM/L)	01/02/69-01/10/74	5	121	
GOGA0132	No	85526	STRONTIUM-89 IN PASTUERIZED MILK (PC/L)	01/09/69-07/05/73	4	31	
GOGA0132	No	85527	STRONTIUM-89, COUNTING ERROR IN MILK (PC/L)	01/09/69-07/05/73	4	31	
GOGA0132	No	85528	STRONTIUM-90 IN PASTUERIZED MILK (PC/L)	01/09/69-07/05/73	4	31	
GOGA0132	No	85529	STRONTIUM-90, COUNTING ERROR IN MILK (PC/L)	01/09/69-07/05/73	4	31	
GOGA0132	No	85538	GAMMA SCAN DATE (YR,MO,DAY)	07/08/71-01/10/74	2	31	
GOGA0132	No	85539	DATE OF REPORT (YR,MO,DAY)	01/02/69-01/10/74	5	121	
GOGA0161	Yes	85791	ENDRIN KETONE, SEDIMENT, DRY WT,(SF) UG/KG	09/30/97-09/30/97	0	2	

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

Station-By-Station Results

Station Inventory for Station: GOGA0001

NPS Station ID: GOGA0001
LAT/LON: 37.434997/-122.373059
Agency: 112WRD
Date Created: 02/15/78
Location: PURISIMA C NR HALF MOON BAY CA
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11162600
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 23.10
On/Off RF1:
RF3 Index: 18050006007300.64
RF3 Mile Point: 5.28
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/77-08/29/77	1	16.5	16.5	16.5	16.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/29/77-08/29/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/29/77-08/29/77	1	805.	805.	805.	805.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/29/77-08/29/77	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/29/77-08/29/77	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/29/77-08/29/77	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/29/77-08/29/77	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/29/77-08/29/77	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/29/77-08/29/77	1	280.	280.	280.	280.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/29/77-08/29/77	1	340.	340.	340.	340.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/29/77-08/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/29/77-08/29/77	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/29/77-08/29/77	1	290.	290.	290.	290.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/29/77-08/29/77	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/29/77-08/29/77	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/29/77-08/29/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/29/77-08/29/77	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/29/77-08/29/77	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/29/77-08/29/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/29/77-08/29/77	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/29/77-08/29/77	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/29/77-08/29/77	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/29/77-08/29/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/29/77-08/29/77	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/29/77-08/29/77	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/29/77-08/29/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/29/77-08/29/77	1	421.	421.	421.	421.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/29/77-08/29/77	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/29/77-08/29/77	1	0.57	0.57	0.57	0.57	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: GOGA0001

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	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	FLUORIDE, 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: GOGA0002

NPS Station ID: GOGA0002
LAT/LON: 37.434998/-122.373341
Agency: 21CAL-1
Date Created: 12/22/79
Location: PURISHIMA CR NR HALF MOON BAY
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8210000 /2022303
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006010
RF1 Mile Point: 4.470
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050006001000.00
RF3 Mile Point: 1.29
Distance from RF3: 0.02
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 380 ;
STATION NAME: PURISHIMA CR NEAR HALF MOON BAY ; DWR COUNTY CODE: 41; LATITUDE: 372606; LONGITUDE: 1222224;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 06S, RANGE 05, SECTION 02QBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA:12.5 ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 11-1626.00 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0002

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: GOGA0003

NPS Station ID: GOGA0003
LAT/LON: 37.449446/-122.232514
Agency: 112WRD
Date Created: / /
Location: REDWOOD C A REDWOOD CITY CA
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11162800
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.80
On/Off RF1:
RF3 Index: 18050006000300.73
RF3 Mile Point: 5.46
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/29/70-03/26/71	4	10.5	10.875	12.5	10.	1.396	1.181	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	11/29/70-03/26/71	4	17.5	17.75	29.	7.	100.917	10.046	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/29/70-03/26/71	2	88.5	88.5	99.	78.	220.5	14.849	**	**	**	**
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11/29/70-03/26/71	2	90.5	90.5	100.	81.	180.5	13.435	**	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	11/29/70-11/29/70	1	91.	91.	91.	91.	0.	0.	**	**	**	**
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	11/29/70-11/29/70	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	12/02/70-12/02/70	2	46.5	46.5	49.	44.	12.5	3.536	**	**	**	**
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	12/02/70-12/02/70	2	58.	58.	62.	54.	32.	5.657	**	**	**	**
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	12/02/70-12/02/70	2	66.5	66.5	71.	62.	40.5	6.364	**	**	**	**
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	12/02/70-12/02/70	2	73.5	73.5	78.	69.	40.5	6.364	**	**	**	**
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	12/02/70-12/02/70	2	79.5	79.5	83.	76.	24.5	4.95	**	**	**	**
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	12/02/70-12/02/70	2	83.5	83.5	87.	80.	24.5	4.95	**	**	**	**
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	12/02/70-12/02/70	2	88.	88.	90.	86.	8.	2.828	**	**	**	**
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	12/02/70-12/02/70	2	98.	98.	99.	97.	2.	1.414	**	**	**	**
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	12/02/70-12/02/70	2	100.	100.	100.	100.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/29/70-03/26/71	4	325.5	314.	506.	99.	36832.667	191.918	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/29/70-03/26/71	4	18.9	18.7	35.	2.	279.16	16.708	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0004

NPS Station ID: GOGA0004
LAT/LON: 37.451940/-122.418344
Agency: 21CAL-1
Date Created: 12/22/79
Location: ARROYO LEON C A DAM AB HIGGENS RD
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8621510 /2022305
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006013
RF1 Mile Point: 1.450
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050004150700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.13
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 115 ;
STATION NAME: ARROYO LEON C A DAM AB HIGGINS RD; DWR COUNTY CODE: 41; LATITUDE: 372707; LONGITUDE: 1222506;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 05, SECTION 33MBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0004

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: GOGA0005

NPS Station ID: GOGA0005 | LAT/LON: 37.463333/-122.425560 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: ARROYO LEON C A KELLY AVE | | FIPS State/County: 06081 CALIFORNIA/SAN MATEO |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E8620501 /2022301 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 18050006 | Depth of Water: 0 | Aquifer: |
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id: |
Minor Basin: COAST-SAN MATEO | | ECO Region: |
RF1 Index: 18050006013 | RF1 Mile Point: 0.310 | Distance from RF1: 21.40 | On/Off RF1: OFF
RF3 Index: 18050004027000.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.54 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 50 ;
STATION NAME: ARROYO LEON C A KELLY AVE ; DWR COUNTY CODE: 41; LATITUDE: 372748; LONGITUDE: 1222532;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 06, SECTION 29RBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-12 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/15/74-04/07/75	12	11.5	11.5	15.5	9.	3.727	1.931	9.	10.	12.875	14.75
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/15/74-04/07/75	13	1.	2.731	14.	0.	19.651	4.433	0.	0.5	2.	12.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/15/74-04/07/75	11	15.	52.545	350.	2.	10840.873	104.12	2.6	7.	30.	304.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/15/74-04/07/75	12	697.5	723.917	1100.	350.	50888.629	225.585	380.	523.75	891.25	1064.
00300	OXYGEN, DISSOLVED MG/L	03/15/74-04/07/75	12	9.9	8.15	11.	1.6	12.692	3.563	1.81	4.525	10.6	10.91
00400	PH (STANDARD UNITS)	03/15/74-03/03/75	10	7.5	7.55	8.	7.2	0.076	0.276	7.21	7.3	7.825	7.99
00400	CONVERTED PH (STANDARD UNITS)	03/15/74-03/03/75	10	7.489	7.479	8.	7.2	0.082	0.286	7.21	7.3	7.825	7.99
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/15/74-03/03/75	10	0.032	0.033	0.063	0.01	0.	0.018	0.01	0.015	0.05	0.062
00403	PH, LAB, STANDARD UNITS SU	03/15/74-04/07/75	10	7.85	7.82	8.4	7.	0.157	0.397	7.04	7.625	8.05	8.38
00403	CONVERTED PH, LAB, STANDARD UNITS	03/15/74-04/07/75	10	7.847	7.63	8.4	7.	0.197	0.444	7.04	7.625	8.05	8.38
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/15/74-04/07/75	10	0.014	0.023	0.1	0.004	0.001	0.029	0.004	0.009	0.025	0.094
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/15/74-04/07/75	10	146.	135.5	223.	35.	4035.167	63.523	38.2	72.25	186.	222.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/15/74-04/07/75	10	418.	444.9	798.	268.	21122.989	145.337	273.6	362.25	489.75	772.2
00545	RESIDUE, SETTLEABLE (ML/L)	03/15/74-04/07/75	10	0.	0.23	2.	0.	0.389	0.624	0.	0.	0.1	1.81
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/15/74-12/04/74	3	0.4	0.383	0.7	0.05	0.106	0.325	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/15/74-12/04/74	3	0.06	0.087	0.2	0.	0.011	0.103	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/15/74-04/07/75	10	299.5	268.1	384.	96.	7736.767	87.959	101.8	206.5	325.25	378.8
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/15/74-04/07/75	10	75.7	67.22	92.2	25.7	478.6	21.877	26.85	52.05	82.95	91.56
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/15/74-04/07/75	10	26.85	24.43	37.4	7.7	67.649	8.225	8.42	19.625	28.775	36.59
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/15/74-12/04/74	3	39.	41.467	52.9	32.5	108.603	10.421	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/15/74-12/04/74	3	2.6	3.233	5.7	1.4	4.923	2.219	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/15/74-04/07/75	10	64.	65.5	180.	19.	2001.389	44.737	20.4	33.75	71.5	169.9

** - 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

Parameter Inventory for Station: GOGA0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/15/74-04/07/75	10	103.05	102.3	191.5	29.	1864.164	43.176	31.7	81.2	118.75	185.65
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/74-12/04/74	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/16/74-12/04/74	2	605.	605.	1200.	10.	708050.	841.457	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/15/74-12/04/74	3	50.	720.	2080.	30.	1387300.	1177.837	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/15/74-12/04/74	3	0.	3.333	10.	0.	33.333	5.774	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/15/74-12/04/74	3	1.8	1.7	3.1	0.2	2.11	1.453	**	**	**	**

** - 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: GOGA0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	11	2	0.18	4	0	0.00	2	0	0.00	5	2	0.40			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	12	3	0.25	4	3	0.75	3	0	0.00	5	0	0.00			
00400	PH	Fresh Chronic	9.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
		Drinking Water	250.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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

Station Inventory for Station: GOGA0006

NPS Station ID: GOGA0006
LAT/LON: 37.465273/-122.290011
Agency: 112WRD
Date Created: 06/30/76
Location: UNNAMED STRM TRIB. TO UPPER CRYS
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 372755122172400
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 9.50
On/Off RF1:
RF3 Index: 18050003098800.00
RF3 Mile Point: 0.00
Distance from RF3: 0.90
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/23/59-03/23/59	1	400.	400.	400.	400.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/23/59-03/23/59	1	173.	173.	173.	173.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/23/59-03/23/59	1	211.	211.	211.	211.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/23/59-03/23/59	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/23/59-03/23/59	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/23/59-03/23/59	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/23/59-03/23/59	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/23/59-03/23/59	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/23/59-03/23/59	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/23/59-03/23/59	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/23/59-03/23/59	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/23/59-03/23/59	1	49.	49.	49.	49.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/23/59-03/23/59	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/23/59-03/23/59	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0006

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00950	FLUORIDE, 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: GOGA0007

NPS Station ID: GOGA0007
LAT/LON: 37.466668/-122.433066
Agency: 112WRD
Date Created: 09/29/90
Location: PILARCITOS C A HALF MOON BAY CA
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11162630
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 8.10
On/Off RF1:
RF3 Index: 18050002104300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/90-06/13/90	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/90-06/13/90	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	06/13/90-06/13/90	1	11.	11.	11.	11.	0.	0.	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	06/13/90-06/13/90	1	24.	24.	24.	24.	0.	0.	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	06/13/90-06/13/90	1	34.	34.	34.	34.	0.	0.	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	06/13/90-06/13/90	1	49.	49.	49.	49.	0.	0.	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	06/13/90-06/13/90	1	62.	62.	62.	62.	0.	0.	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	06/13/90-06/13/90	1	74.	74.	74.	74.	0.	0.	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	06/13/90-06/13/90	1	87.	87.	87.	87.	0.	0.	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	06/13/90-06/13/90	1	95.	95.	95.	95.	0.	0.	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	06/13/90-06/13/90	1	99.	99.	99.	99.	0.	0.	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	06/13/90-06/13/90	1	100.	100.	100.	100.	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: GOGA0008

NPS Station ID: GOGA0008
LAT/LON: 37.468888/-122.420565
Agency: 21CAL-1
Date Created: 12/22/79
Location: PILARCITOS CR AB ARROYO LEON CR
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8628801 /2022208
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006014
RF1 Mile Point: 0.500
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050006001300.27
RF3 Mile Point: 1.71
Distance from RF3: 0.03
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 135 ;
STATION NAME: PILARCITOS CR AB ARROYO LEON CR ; DWR COUNTY CODE: 41; LATITUDE: 372808; LONGITUDE: 1222514;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 05, SECTION 28MBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0008

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: GOGA0009

NPS Station ID: GOGA0009
LAT/LON: 37.473334/-122.422928
Agency: 21CAL-3
Date Created: 07/16/83
Location: 41-011 NUNES WTP
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): E41/011-NUNES P
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 11.10
On/Off RF1:
RF3 Index: 18050006007300.64
RF3 Mile Point: 1.57
Distance from RF3: 0.08
On/Off RF3:
Description:
DIST 05 COASTSIDE CWD-NUNES WTP
DIVERTS AND TREATS WATER FROM PILARCITOS LAKE AND WELL FIELD.

Parameter Inventory for Station: GOGA0009

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: GOGA0010

NPS Station ID: GOGA0010
LAT/LON: 37.473886/-122.445847
Agency: 21CAL-1
Date Created: 12/22/79
Location: PILARCITOS CREEK AT ELMAR BEACH
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8619710 /2022001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006012
RF1 Mile Point: 0.310
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050006000800.00
RF3 Mile Point: 0.66
Distance from RF3: 0.03
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 10 ;
STATION NAME: PILARCITOS CREEK AT ELMAR BEACH ; DWR COUNTY CODE: 41; LATITUDE: 372826; LONGITUDE: 1222645;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 05, SECTION 30BBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0010

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: GOGA0011

NPS Station ID: GOGA0011 | LAT/LON: 37.474165/-122.415842 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: PILARCITOS C BL MADONNA CK | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8629001 /2022202
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006014 | RF1 Mile Point: 0.810 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050006001300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.01 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 100 ;
STATION NAME: PILARCITOS C BL MADONNA CK ; DWR COUNTY CODE: 41; LATITUDE: 372827; LONGITUDE: 1222457;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 06, SECTION 28CBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-11 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/15/74-04/07/75	15	12.5	12.267	16.	9.	4.46	2.112	9.	10.	14.	15.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/15/74-04/07/75	13	4.	5.385	17.	2.	16.923	4.114	2.4	3.	7.	13.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/15/74-04/07/75	12	13.	140.083	950.	2.	93621.902	305.977	2.6	5.25	32.5	845.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/15/74-04/07/75	15	440.	480.933	710.	320.	13647.352	116.822	332.	410.	565.	674.
00300	OXYGEN, DISSOLVED MG/L	03/15/74-04/07/75	15	9.7	9.667	10.9	8.4	0.557	0.746	8.64	9.	10.5	10.72
00400	PH (STANDARD UNITS)	03/15/74-03/03/75	13	7.6	7.569	7.9	7.2	0.049	0.221	7.2	7.4	7.75	7.86
00400	CONVERTED PH (STANDARD UNITS)	03/15/74-03/03/75	13	7.6	7.515	7.9	7.2	0.052	0.228	7.2	7.4	7.75	7.86
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/15/74-03/03/75	13	0.025	0.031	0.063	0.013	0.	0.017	0.014	0.018	0.04	0.063
00403	PH, LAB, STANDARD UNITS SU	03/15/74-04/07/75	13	7.9	7.869	9.7	6.5	0.492	0.702	6.78	7.65	8.	9.02
00403	CONVERTED PH, LAB, STANDARD UNITS	03/15/74-04/07/75	13	7.9	7.4	9.7	6.5	0.731	0.855	6.78	7.65	8.	9.02
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/15/74-04/07/75	13	0.013	0.04	0.316	0.	0.007	0.084	0.004	0.01	0.024	0.215
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/15/74-04/07/75	13	103.	98.538	121.	57.	463.103	21.52	61.	78.5	116.5	121.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/15/74-04/07/75	13	272.	253.692	312.	133.	2983.897	54.625	157.4	203.5	299.	310.8
00545	RESIDUE, SETTLEABLE (ML/L)	03/15/74-04/07/75	10	0.1	1.33	6.	0.1	6.069	2.464	0.1	0.1	1.8	6.
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/15/74-03/13/75	5	2.5	1.7	3.3	0.	2.245	1.498	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/15/74-03/13/75	5	0.01	0.182	0.76	0.	0.108	0.329	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/15/74-04/07/75	13	174.	162.	216.	85.	2009.5	44.827	87.	125.	205.	214.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/15/74-04/07/75	13	42.9	38.131	57.1	16.	162.802	12.759	18.04	23.95	46.3	54.34
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/15/74-04/07/75	13	14.8	15.677	25.2	8.4	20.357	4.512	9.28	12.8	19.05	23.36
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/15/74-03/13/75	5	32.9	32.84	45.	20.	81.743	9.041	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/15/74-03/13/75	5	2.1	2.68	5.	1.	2.347	1.532	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/15/74-04/07/75	13	41.	38.385	49.	20.	82.923	9.106	22.	32.5	46.5	48.6

** - 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

Parameter Inventory for Station: GOGA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/15/74-04/07/75	13	38.6	38.131	51.2	19.8	58.917	7.676	24.	35.3	42.8	49.28
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/74-03/13/75	4	0.15	0.175	0.3	0.1	0.009	0.096	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/16/74-03/13/75	4	70.	560.	2100.	0.	1055733.333	1027.489	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/15/74-12/04/74	4	270.	260.	480.	20.	39666.667	199.165	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/16/74-03/13/75	4	0.	0.	0.	0.	0.	0.	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/15/74-04/02/74	2	1900.	1900.	3700.	100.	6480000.	2545.584	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/15/74-03/13/75	5	10.9	7.44	14.4	0.	43.313	6.581	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	2	0.17	5	0	0.00	2	1	0.50	5	1	0.20			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	7	0	0.00	3	0	0.00	5	0	0.00			
00400	PH	Fresh Chronic	9.	13	0	0.00	7	0	0.00	2	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	13	0	0.00	7	0	0.00	2	0	0.00	4	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	13	1	0.08	5	0	0.00	2	1	0.50	6	0	0.00			
		Other-Lo Lim.	6.5	13	1	0.08	5	1	0.20	2	0	0.00	6	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	13	0	0.00	5	0	0.00	2	0	0.00	6	0	0.00			
		Drinking Water	250.	13	0	0.00	5	0	0.00	2	0	0.00	6	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	13	0	0.00	5	0	0.00	2	0	0.00	6	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	5	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: GOGA0012

NPS Station ID: GOGA0012 | LAT/LON: 37.478884/-122.388345 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: MADONNA C A MIRAMONTES RIDGE | | FIPS State/County: 06081 CALIFORNIA/SAN MATEO |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E8629401 /2022203 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 18050006 | Depth of Water: 0 | Aquifer: |
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id: |
Minor Basin: COAST-SAN MATEO | | ECO Region: |
RF1 Index: 18050006014 | RF1 Mile Point: 2.410 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050006001400.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.01 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 380 ;
STATION NAME: MADONNA C A MIRAMONTES RIDGE ; DWR COUNTY CODE: 41; LATITUDE: 372844; LONGITUDE: 1222318;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 05, SECTION 22RBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6003-1 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/74-01/07/75	12	13.5	14.542	20.	10.	10.612	3.258	10.	12.625	17.	19.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/74-01/07/75	12	0.5	0.542	1.	0.5	0.021	0.144	0.5	0.5	0.5	0.85
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/26/74-12/13/74	8	27.5	26.25	34.	15.	51.929	7.206	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/74-01/07/75	12	655.	633.75	800.	310.	19868.932	140.957	370.	542.5	760.75	798.5
00300	OXYGEN, DISSOLVED MG/L	03/26/74-01/07/75	12	9.55	9.633	10.9	8.5	0.622	0.789	8.56	8.9	10.3	10.81
00400	PH (STANDARD UNITS)	03/26/74-11/12/74	10	7.95	7.9	8.4	7.5	0.076	0.275	7.51	7.675	8.1	8.37
00400	CONVERTED PH (STANDARD UNITS)	03/26/74-11/12/74	10	7.947	7.827	8.4	7.5	0.082	0.286	7.51	7.675	8.1	8.37
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/74-11/12/74	10	0.011	0.015	0.032	0.004	0.	0.009	0.004	0.008	0.021	0.031
00403	PH, LAB, STANDARD UNITS SU	03/26/74-12/13/74	8	8.15	8.225	8.6	8.	0.051	0.225	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/26/74-12/13/74	8	8.147	8.18	8.6	8.	0.053	0.23	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/74-12/13/74	8	0.007	0.007	0.01	0.003	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	8	176.5	159.5	201.	92.	1746.	41.785	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/74-12/13/74	8	394.	351.5	423.	212.	6523.429	80.768	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	03/26/74-01/07/75	8	0.1	0.138	0.2	0.1	0.003	0.052	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/26/74-12/13/74	4	0.5	0.45	0.7	0.1	0.063	0.252	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/74-12/13/74	4	0.15	0.15	0.27	0.03	0.011	0.106	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	8	221.	195.875	239.	116.	2550.982	50.507	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/74-12/13/74	8	48.1	42.425	52.	25.9	113.205	10.64	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/74-12/13/74	8	23.65	21.6	27.7	12.2	35.874	5.99	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/74-12/13/74	4	53.55	50.475	65.6	29.2	255.476	15.984	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/26/74-12/13/74	4	1.95	1.8	2.3	1.	0.313	0.56	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/26/74-12/13/74	8	40.5	37.75	51.	18.	102.786	10.138	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: GOGA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/26/74-12/13/74	8	59.2	53.063	67.2	27.9	252.566	15.892	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/74-12/13/74	3	0.2	0.233	0.3	0.2	0.003	0.058	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/17/74-12/13/74	3	360.	400.	830.	10.	169300.	411.461	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/26/74-12/13/74	4	1190.	1172.5	1940.	370.	598491.667	773.622	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/74-12/13/74	4	0.	25.	100.	0.	2500.	50.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/26/74-12/13/74	4	2.25	1.9	3.1	0.	1.78	1.334	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0012

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	12	0	0.00	7	0	0.00	3	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	10	0	0.00	7	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	7	0	0.00	1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	250.	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	2	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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: GOGA0013

NPS Station ID: GOGA0013
LAT/LON: 37.480554/-122.406394
Agency: 21CAL-1
Date Created: 03/03/79
Location: CORINDA LOS TRANCOS C N HALF MN B
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8630201 /2022207
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006014
RF1 Mile Point: 1.610
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050004154000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 150 ;
STATION NAME: CORINDA LOS TRANCOS C N HALF MN B; DWR COUNTY CODE: 41; LATITUDE: 372850; LONGITUDE: 1222423;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 05, SECTION 21KBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/69-03/07/69	1	352.	352.	352.	352.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/69-03/07/69	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/69-03/07/69	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/69-03/07/69	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/07/69-03/07/69	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/07/69-03/07/69	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/69-03/07/69	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/07/69-03/07/69	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/07/69-03/07/69	1	105.	105.	105.	105.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/07/69-03/07/69	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/07/69-03/07/69	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/07/69-03/07/69	1	24.	24.	24.	24.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/07/69-03/07/69	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

EPA Water Quality Criteria Analysis for Station: GOGA0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	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	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	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			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	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: GOGA0014

NPS Station ID: GOGA0014 LAT/LON: 37.482223/-122.321315 Agency: 11NPSWRD Date Created: 06/12/99
Location: UPPER CRYSTAL SPRINGS RESERVOIR TRIBUTARY #4 FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_SFWD_UCS4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WOODSIDE CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED NEAR TRIBUTARY #4 OF UPPER CRYSTAL SPRINGS RESERVOIR AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-01/23/98	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-01/23/98	1	321.	321.	321.	321.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-01/23/98	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/23/98-01/23/98	1	7.67	7.67	7.67	7.67	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/23/98-01/23/98	1	7.67	7.67	7.67	7.67	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/98-01/23/98	1	0.021	0.021	0.021	0.021	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	1	105.	105.	105.	105.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-01/23/98	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-01/23/98	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-01/23/98	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	1	124.	124.	124.	124.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-01/23/98	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-01/23/98	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-01/23/98	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-01/23/98	1	327.	327.	327.	327.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-01/23/98	1	205.	205.	205.	205.	0.	0.	**	**	**	**
71870	BROMIDE (MG/L AS BR)	01/23/98-01/23/98	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-01/23/98	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

EPA Water Quality Criteria Analysis for Station: GOGA0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
82078	TURBIDITY, FIELD	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: GOGA0015

NPS Station ID: GOGA0015 | LAT/LON: 37.483328/-122.445009 | Agency: 21CAL-1 | Date Created: 12/22/79
Location: FRENCHMANS CREEK NR HALF MOON BAY | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8702500 /2022210
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050006015 | RF1 Mile Point: 0.640 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050006001401.67 | RF3 Mile Point: 4.09 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 40 ;
STATION NAME: FRENCHMANS CR NR HALF MOON BAY ; DWR COUNTY CODE: 41; LATITUDE: 372900; LONGITUDE: 1222642;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 05, SECTION 19MBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA:10.8 ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 11-1626.40 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0015

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: GOGA0016

NPS Station ID: GOGA0016 | LAT/LON: 37.483889/-122.441679 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: FRENCHMANS CREEK AT HALF MOON BAY | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8702601 /2022206
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050006001402.48 | RF3 Mile Point: 2.48 | Distance from RF3: 0.02 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 55 ;
STATION NAME: FRENCHMANS CREEK AT HALF MOON BAY; DWR COUNTY CODE: 41; LATITUDE: 372902; LONGITUDE: 1222630;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 06, SECTION 19HBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-10 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/74-04/04/75	15	12.5	12.033	15.	6.	5.588	2.364	8.4	10.	14.	14.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/74-04/04/75	14	2.	3.071	11.	1.	6.533	2.556	1.5	2.	3.5	8.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/26/74-04/04/75	12	7.	59.417	600.	2.	29063.902	170.481	2.3	4.	22.	429.3
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/74-04/04/75	15	290.	336.267	550.	240.	10709.21	103.485	246.	277.	345.	544.
00300	OXYGEN, DISSOLVED MG/L	03/26/74-04/04/75	15	10.2	10.193	11.7	9.	0.545	0.738	9.18	9.5	10.8	11.22
00400	PH (STANDARD UNITS)	03/26/74-03/03/75	13	7.6	7.592	7.9	7.2	0.057	0.24	7.2	7.4	7.8	7.9
00400	CONVERTED PH (STANDARD UNITS)	03/26/74-03/03/75	13	7.6	7.529	7.9	7.2	0.062	0.249	7.2	7.4	7.8	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/74-03/03/75	13	0.025	0.03	0.063	0.013	0.	0.017	0.013	0.016	0.04	0.063
00403	PH, LAB, STANDARD UNITS SU	05/16/74-04/04/75	7	7.6	7.643	8.9	7.	0.503	0.709	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/16/74-04/04/75	7	7.6	7.324	8.9	7.	0.622	0.788	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/16/74-04/04/75	7	0.025	0.047	0.1	0.001	0.002	0.044	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/74-04/04/75	12	71.5	69.333	87.	40.	144.788	12.033	44.2	68.25	74.5	84.9
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/74-04/04/75	11	176.	185.636	320.	107.	2810.655	53.016	115.2	163.	202.	298.4
00545	RESIDUE, SETTLEABLE (ML/L)	03/26/74-04/04/75	11	0.1	0.745	7.	0.	4.311	2.076	0.	0.1	0.2	5.66
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/26/74-12/04/74	4	1.3	1.593	3.7	0.07	2.55	1.597	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/74-12/04/74	4	0.04	0.048	0.1	0.01	0.001	0.039	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/74-04/04/75	12	100.5	106.5	162.	56.	879.727	29.66	63.2	87.25	121.25	159.6
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/74-04/04/75	12	23.	22.342	31.6	12.8	22.206	4.712	13.82	20.425	24.45	29.83
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/74-04/04/75	12	9.85	12.3	29.5	5.8	42.075	6.486	6.01	8.525	15.	26.11
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/74-12/04/74	4	25.8	25.2	29.2	20.	15.713	3.964	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/26/74-12/04/74	4	1.25	1.375	2.	1.	0.229	0.479	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/26/74-04/04/75	12	31.5	30.667	37.	18.	22.061	4.697	21.3	29.25	32.	36.7

** - 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: GOGA0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/26/74-04/04/75	12	13.4	13.983	27.6	7.2	23.256	4.822	8.1	12.425	14.275	24.09
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/74-12/04/74	3	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/16/74-12/04/74	3	50.	33.333	50.	0.	833.333	28.868	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/26/74-12/04/74	4	1205.	6057.5	21400.	420.	104813758.333	10237.859	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/74-12/04/74	4	0.	0.	0.	0.	0.	0.	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-04/02/74	2	4150.	4150.	8200.	100.	32805000.	5727.565	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/12/74-08/12/74	1	155.	155.	155.	155.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/26/74-12/04/74	4	5.65	7.05	16.6	0.3	51.937	7.207	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	1	0.08	5	0	0.00	2	0	0.00	5	1	0.20			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	7	0	0.00	3	0	0.00	5	0	0.00			
00400	PH	Fresh Chronic	9.	13	0	0.00	7	0	0.00	2	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	13	0	0.00	7	0	0.00	2	0	0.00	4	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	7	0	0.00	2	0	0.00	2	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	7	0	0.00	2	0	0.00	2	0	0.00	3	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	12	0	0.00	5	0	0.00	2	0	0.00	5	0	0.00			
		Drinking Water	250.	12	0	0.00	5	0	0.00	2	0	0.00	5	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	12	0	0.00	5	0	0.00	2	0	0.00	5	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	2	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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: GOGA0017

NPS Station ID: GOGA0017 LAT/LON: 37.483939/-122.323483 Agency: 11NPSWRD Date Created: 06/12/99
Location: UPPER CRYSTAL SPRINGS RESERVOIR TRIBUTARY #5 FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_SFWD_UCS5
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WOODSIDE CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED NEAR TRIBUTARY #5 OF UPPER CRYSTAL SPRINGS RESERVOIR AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-01/23/98	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-01/23/98	1	149.	149.	149.	149.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-01/23/98	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/23/98-01/23/98	1	8.05	8.05	8.05	8.05	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/23/98-01/23/98	1	8.05	8.05	8.05	8.05	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/98-01/23/98	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	1	136.	136.	136.	136.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-01/23/98	1	0.63	0.63	0.63	0.63	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-01/23/98	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-01/23/98	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	1	172.	172.	172.	172.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-01/23/98	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-01/23/98	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-01/23/98	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-01/23/98	1	329.	329.	329.	329.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-01/23/98	1	95.	95.	95.	95.	0.	0.	**	**	**	**
71870	BROMIDE (MG/L AS BR)	01/23/98-01/23/98	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-01/23/98	1	33.	33.	33.	33.	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: GOGA0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
82078	TURBIDITY, FIELD	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: GOGA0018

NPS Station ID: GOGA0018 | LAT/LON: 37.486670/-122.395012 | Agency: 21CAL-1 | Date Created: 12/22/79
Location: PILARCITOS CR BELOW NUFF CREEK | | FIPS State/County: 06081 CALIFORNIA/SAN MATEO |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E8637001 /2022209 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 18050006 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: |
Minor Basin: SAN FRANCISCO BAY REGION | | ECO Region: |
RF1 Index: 18050006014 | RF1 Mile Point: 2.410 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050006001400.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.01 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 160 ;
STATION NAME: PILARCITOS CR BL NUFF CREEK ; DWR COUNTY CODE: 41; LATITUDE: 372912; LONGITUDE: 1222342;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 05, SECTION 22GBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0018

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: GOGA0019

NPS Station ID: GOGA0019 | LAT/LON: 37.492219/-122.383893 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: PILARCITROS C SF A MO A ALBERT CN | | FIPS State/County: 06081 CALIFORNIA/SAN MATEO |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E8639001 /2022204 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 18050006 | Depth of Water: 0 | Aquifer: |
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id: |
Minor Basin: COAST-SAN MATEO | | ECO Region: |
RF1 Index: 18050006014 | RF1 Mile Point: 3.360 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050006008201.36 | RF3 Mile Point: 1.64 | Distance from RF3: 0.03 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 200 ;
STATION NAME: PILARCITROS C SF A MO A ALBERT CN; DWR COUNTY CODE: 41; LATITUDE: 372932; LONGITUDE: 1222302;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 05, SECTION 14NBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6003-3 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/74-01/07/75	12	12.5	12.167	15.	8.	4.879	2.209	8.45	10.25	14.	14.85
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/74-01/07/75	12	0.75	1.083	3.	0.5	0.674	0.821	0.5	0.5	1.75	2.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/26/74-01/07/75	9	5.	18.	55.	4.	425.25	20.622	4.	4.5	36.	55.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/74-01/07/75	11	680.	671.455	925.	295.	24098.673	155.237	358.	640.	715.	907.
00300	OXYGEN, DISSOLVED MG/L	03/26/74-01/07/75	12	9.85	9.908	11.3	8.2	0.826	0.909	8.47	9.25	10.725	11.24
00400	PH (STANDARD UNITS)	03/26/74-11/12/74	10	8.	7.93	8.1	7.6	0.027	0.164	7.61	7.85	8.025	8.1
00400	CONVERTED PH (STANDARD UNITS)	03/26/74-11/12/74	10	8.	7.899	8.1	7.6	0.028	0.167	7.61	7.85	8.025	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/74-11/12/74	10	0.01	0.013	0.025	0.008	0.	0.006	0.008	0.009	0.014	0.025
00403	PH, LAB, STANDARD UNITS SU	03/26/74-12/13/74	8	8.25	8.112	8.4	7.4	0.121	0.348	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/26/74-12/13/74	8	8.247	7.959	8.4	7.4	0.148	0.385	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/74-12/13/74	8	0.006	0.011	0.04	0.004	0.	0.012	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	8	188.5	172.25	200.	124.	933.929	30.56	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/74-12/13/74	7	426.	429.429	486.	347.	2127.952	46.13	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	03/26/74-01/07/75	9	0.	0.056	0.2	0.	0.005	0.073	0.	0.	0.1	0.2
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/26/74-12/13/74	4	0.1	0.15	0.4	0.	0.03	0.173	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/74-12/13/74	4	0.015	0.027	0.07	0.007	0.001	0.029	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	8	276.	270.125	324.	208.	1466.411	38.294	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/74-12/13/74	8	72.5	69.4	80.2	51.5	93.451	9.667	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/74-12/13/74	8	23.35	23.5	30.1	15.5	19.143	4.375	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/74-12/13/74	4	44.	44.175	51.	37.7	53.522	7.316	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/26/74-12/13/74	4	1.35	1.35	1.7	1.	0.163	0.404	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/26/74-12/13/74	8	44.5	43.125	57.	23.	118.411	10.882	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: GOGA0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/26/74-12/13/74	8	91.	88.375	108.	63.5	301.768	17.371	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/74-12/13/74	3	0.3	0.267	0.3	0.2	0.003	0.058	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/17/74-12/13/74	3	200.	333.333	690.	110.	97433.333	312.143	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/26/74-12/13/74	4	470.	582.5	1100.	290.	130491.667	361.236	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/74-12/13/74	4	25.	150.	550.	0.	71666.667	267.706	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/18/74-07/18/74	1	424.	424.	424.	424.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/26/74-12/13/74	4	0.45	0.675	1.8	0.	0.609	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	2	0.22	5	1	0.20	2	0	0.00	2	1	0.50			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	12	0	0.00	7	0	0.00	3	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	10	0	0.00	7	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	7	0	0.00	1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	250.	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	2	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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: GOGA0020

NPS Station ID: GOGA0020 LAT/LON: 37.492328/-122.345341 Agency: 11NPSWRD Date Created: 06/12/99
Location: UPPER CRYSTAL SPRINGS RESERVOIR TRIBUTARY #3 FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_SFWD_UCS3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WOODSIDE CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED NEAR TRIBUTARY #3 OF UPPER CRYSTAL SPRINGS RESERVOIR AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-01/23/98	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-01/23/98	1	495.	495.	495.	495.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-01/23/98	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/23/98-01/23/98	1	7.27	7.27	7.27	7.27	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/23/98-01/23/98	1	7.27	7.27	7.27	7.27	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/98-01/23/98	1	0.054	0.054	0.054	0.054	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	1	105.	105.	105.	105.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-01/23/98	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-01/23/98	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-01/23/98	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	1	156.	156.	156.	156.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-01/23/98	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-01/23/98	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-01/23/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-01/23/98	1	323.	323.	323.	323.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-01/23/98	1	317.	317.	317.	317.	0.	0.	**	**	**	**
71870	BROMIDE (MG/L AS BR)	01/23/98-01/23/98	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-01/23/98	1	6.4	6.4	6.4	6.4	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: GOGA0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
82078	TURBIDITY, FIELD	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: GOGA0021

NPS Station ID: GOGA0021
LAT/LON: 37.492663/-122.331175
Agency: 11NPSWRD
Date Created: 06/12/99
Location: UPPER CRYSTAL SPRINGS RESERVOIR
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_SFWD_UCS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WOODSIDE CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT UPPER CRYSTAL SPRINGS RESERVOIR AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-10/27/98	99	15.1	15.523	23.1	10.8	12.833	3.582	11.1	12.1	18.7	20.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-10/27/98	93	130.	128.699	157.	107.	163.474	12.786	112.	116.	136.	148.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-10/27/98	99	8.2	7.492	9.5	0.5	4.326	2.08	4.2	7.2	8.9	9.1
00406	PH, FIELD, STANDARD UNITS SU	01/23/98-10/27/98	99	7.55	7.58	8.33	6.86	0.141	0.376	7.02	7.35	7.76	8.12
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/23/98-10/27/98	99	7.55	7.428	8.33	6.86	0.165	0.406	7.02	7.35	7.76	8.12
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/98-10/27/98	99	0.028	0.037	0.138	0.005	0.001	0.032	0.008	0.017	0.045	0.095
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-10/27/98	40	38.5	38.75	46.	33.	11.372	3.372	34.	36.25	42.	42.
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-10/27/98	40	0.045	0.088	0.2	0.02	0.004	0.064	0.021	0.025	0.16	0.18
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-10/27/98	40 ##	0.01	0.008	0.01	0.	0.	0.004	0.	0.01	0.01	0.01
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/98-10/27/98	32	0.02	0.027	0.11	0.005	0.001	0.025	0.005	0.01	0.04	0.067
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-10/27/98	33	2.7	2.848	4.2	1.9	0.504	0.71	2.04	2.25	3.45	4.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-10/27/98	40	43.5	44.55	51.	37.	18.254	4.272	39.	41.	49.	50.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-10/27/98	40	8.	7.9	10.	6.	0.964	0.982	7.	7.	8.	9.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-03/27/98	12	14.	13.083	15.	10.	4.083	2.021	10.	10.5	14.75	15.
00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-02/25/98	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/05/98-10/27/98	21	20.	26.238	80.	5.	447.39	21.152	5.	10.	36.	60.
46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-10/27/98	99	365.	367.485	490.	309.	1573.15	39.663	320.	339.	383.	399.
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-10/27/98	93	83.	81.699	100.	68.	67.495	8.216	70.	73.	87.	93.
71870	BROMIDE (MG/L AS BR)	01/23/98-03/27/98	12	0.02	0.018	0.03	0.01	0.	0.006	0.01	0.01	0.02	0.027
74010	IRON, TOTAL (MG/L AS FE)	06/05/98-10/27/98	21	0.28	0.394	1.	0.08	0.097	0.311	0.094	0.175	0.525	0.99
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-10/27/98	40	5.1	15.49	59.	1.1	344.232	18.553	1.8	2.275	24.	57.6

** - 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: GOGA0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	99	8	0.08	59	8	0.14	9	0	0.00	31	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	99	0	0.00	59	0	0.00	9	0	0.00	31	0	0.00			
		Other-Lo Lim.	6.5	99	0	0.00	59	0	0.00	9	0	0.00	31	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	40	0	0.00	24	0	0.00	4	0	0.00	12	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	40	0	0.00	24	0	0.00	4	0	0.00	12	0	0.00			
		Drinking Water	250.	40	0	0.00	24	0	0.00	4	0	0.00	12	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	12	0	0.00							12	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	8	0	0.00							8	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	40	4	0.10	24	0	0.00	4	0	0.00	12	4	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: GOGA0022

NPS Station ID: GOGA0022 | LAT/LON: 37.493058/-122.383897 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: PILARCITROS C AB S F A ALBERT CN | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8640001 /2022205
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006014 | RF1 Mile Point: 3.360 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050006008400.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.01 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 195 ;
STATION NAME: PILARCITROS C AB S F A ALBERT CN ; DWR COUNTY CODE: 41; LATITUDE: 372935; LONGITUDE: 1222302;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 05, SECTION 14NBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6003-2 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/74-01/07/75	11	12.5	12.318	15.	10.	3.664	1.914	10.	10.	14.	14.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/74-01/07/75	11	1.	2.818	15.	0.5	18.264	4.274	0.5	0.5	4.	12.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/26/74-12/13/74	8	2.5	9.75	46.	1.	260.214	16.131	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/74-01/07/75	11	473.	483.455	705.	250.	15259.273	123.528	278.	420.	600.	689.
00300	OXYGEN, DISSOLVED MG/L	03/26/74-01/07/75	11	9.8	9.855	10.9	8.7	0.401	0.633	8.82	9.4	10.3	10.86
00400	PH (STANDARD UNITS)	03/26/74-11/12/74	9	7.6	7.556	7.7	7.1	0.035	0.188	7.1	7.5	7.7	7.7
00400	CONVERTED PH (STANDARD UNITS)	03/26/74-11/12/74	9	7.6	7.51	7.7	7.1	0.038	0.194	7.1	7.5	7.7	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/74-11/12/74	9	0.025	0.031	0.079	0.02	0.	0.019	0.02	0.02	0.032	0.079
00403	PH, LAB, STANDARD UNITS SU	03/26/74-12/13/74	7	7.9	8.014	8.6	7.6	0.095	0.308	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/26/74-12/13/74	7	7.9	7.935	8.6	7.6	0.102	0.319	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/74-12/13/74	7	0.013	0.012	0.025	0.003	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	7	141.	130.	148.	93.	488.	22.091	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/74-12/13/74	7	285.	274.429	312.	218.	1280.952	35.79	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	03/26/74-01/07/75	6	0.1	0.15	0.6	0.	0.051	0.226	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/26/74-12/13/74	3	0.8	0.933	1.4	0.6	0.173	0.416	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/74-12/13/74	3	0.01	0.013	0.03	0.	0.	0.015	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/74-12/13/74	7	204.	187.	214.	132.	1050.333	32.409	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/74-12/13/74	7	55.7	49.686	58.5	33.	117.951	10.861	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/74-12/13/74	7	16.	15.329	16.5	10.7	4.239	2.059	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/74-12/13/74	3	26.4	26.833	28.1	26.	1.243	1.115	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/26/74-12/13/74	3	2.	1.767	2.3	1.	0.463	0.681	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/26/74-12/13/74	7	38.	35.429	41.	26.	30.619	5.533	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: GOGA0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/26/74-12/13/74	7	28.6	26.871	29.7	17.9	17.176	4.144	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/74-12/13/74	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/17/74-12/13/74	2	175.	175.	320.	30.	42050.	205.061	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/26/74-12/13/74	3	150.	240.	550.	20.	76300.	276.225	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/74-12/13/74	3	0.	0.	0.	0.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/26/74-12/13/74	3	3.4	4.167	6.2	2.9	3.163	1.779	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	8	0	0.00	5	0	0.00	1	0	0.00	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	11	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	9	0	0.00	6	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	6	0	0.00	1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	7	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	7	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	7	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	250.	7	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	7	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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

Station Inventory for Station: GOGA0023

NPS Station ID: GOGA0023 LAT/LON: 37.495524/-122.343175 Agency: 11NPSWRD Date Created: 06/12/99
Location: UPPER CRYSTAL SPRINGS RESERVOIR TRIBUTARY #2 FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_SFWD_UCS2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WOODSIDE CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED NEAR TRIBUTARY #2 OF UPPER CRYSTAL SPRINGS RESERVOIR AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-01/23/98	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-01/23/98	1	468.	468.	468.	468.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-01/23/98	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/23/98-01/23/98	1	7.86	7.86	7.86	7.86	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/23/98-01/23/98	1	7.86	7.86	7.86	7.86	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/98-01/23/98	1	0.014	0.014	0.014	0.014	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	1	122.	122.	122.	122.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-01/23/98	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-01/23/98	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-01/23/98	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-01/23/98	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-01/23/98	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-01/23/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-01/23/98	1	322.	322.	322.	322.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-01/23/98	1	299.	299.	299.	299.	0.	0.	**	**	**	**
71870	BROMIDE (MG/L AS BR)	01/23/98-01/23/98	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-01/23/98	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: GOGA0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
82078	TURBIDITY, FIELD	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: GOGA0024

NPS Station ID: GOGA0024 LAT/LON: 37.495554/-122.333899 Agency: 11NPSWRD Date Created: 07/11/98
Location: CENTER OF UPPER CRYSTAL SPRINGS RESERVOIR FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_USGS_UCSR
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WOODSIDE CALIFORNIA-SAN MATEO CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON UPPER CRYSTAL SPRINGS RESERVOIR APPROXIMATELY 4 MILES WEST OF SAN CARLOS AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. THE EXACT SAMPLING LOCATION WAS NOT SPECIFIED IN THE REPORT; SO THE APPROXIMATE CENTER OF THE LAKE WAS DIGITIZED TO DETERMINE THE LATITUDE AND LONGITUDE FOR THE SITE. ONE SAMPLE FOR THIS SITE WAS COLLECTED ON 5 JUNE 1972. THE RESULTS ARE IN "LIMNOLOGICAL DATA FROM SELECTED LAKES IN THE SAN FRANCISCO BAY REGION; CALIFORNIA" BY LINDA BRITTON; RODGER F. FERREIRA; AND ROBERT C. AVERETT (UNITED STATES GEOLOGICAL SURVEY-WATER RESOURCES DIVISION "OPEN-FILE REPORT;" 25 JUNE 1974). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/05/72-06/05/72	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/05/72-06/05/72	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/05/72-06/05/72	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/72-06/05/72	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/05/72-06/05/72	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/05/72-06/05/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/05/72-06/05/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/05/72-06/05/72	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/05/72-06/05/72	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/05/72-06/05/72	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/05/72-06/05/72	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/05/72-06/05/72	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/05/72-06/05/72	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/05/72-06/05/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/05/72-06/05/72	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/05/72-06/05/72	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/05/72-06/05/72	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: GOGA0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/05/72-06/05/72	1	40.	40.	40.	40.	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: GOGA0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	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									
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									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, 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: GOGA0025

NPS Station ID: GOGA0025 | LAT/LON: 37.496384/-122.434459 | Agency: 21CAL-1 | Date Created: 12/22/79
Location: FRENCHMANS CREEK EAST OF MIRAMAR | | FIPS State/County: 06081 CALIFORNIA/SAN MATEO |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E8703010 /2022211 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 18050006 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: |
Minor Basin: SAN FRANCISCO BAY REGION | | ECO Region: |
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050006007800.00 | RF3 Mile Point: 0.19 | Distance from RF3: 0.01 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 120 ;
STATION NAME: FRENCHMANS CR, EAST OF MIRAMAR ; DWR COUNTY CODE: 41; LATITUDE: 372947; LONGITUDE: 1222604;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 05, SECTION 17MBASE M;
USGS QUADRANGLE NUMBER: . 429; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0025

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: GOGA0026

NPS Station ID: GOGA0026 LAT/LON: 37.496636/-122.338866 Agency: 11NPSWRD Date Created: 06/12/99
Location: CRYSTAL SPRINGS LAKE (CRYSTAL SPGS RESERVOIR) FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_COE_CRYST
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WOODSIDE CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE SITE IS LOCATED AT CRYSTAL SPRINGS RESERVOIR (EXACT SAMPLING COORDS. UNKNOWN) AND IS INSIDE OF GOLDEN GATE NATIONAL REC- REATION AREA (GOGA). DATA ARE FROM A REPORT BY MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. LITTLE IS KNOWN ABOUT WHAT THIS SITE WAS LIKE IN 1906; THEREFORE; WE ARE ASSUMING THAT ALL RESERVOIRS IN THIS REPORT WERE UNTREATED AND UNCOVERED. SOME OF THE RESERVOIRS THAT EXIST TODAY ARE NOW TREATED AND COVERED. OTHER ASSUMPTIONS HAVE BEEN MADE REGARDING SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT GOLDEN GATE NRA; FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	05/31/06-05/31/06	1	219.	219.	219.	219.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/31/06-05/31/06	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/31/06-05/31/06	1	119.	119.	119.	119.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	05/31/06-05/31/06	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/06-05/31/06	1	24.	24.	24.	24.	0.	0.	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	1	3.477	3.477	3.477	3.477	0.	0.	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			3000.								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	05/31/06-05/31/06	1	0.18	0.18	0.18	0.18	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

EPA Water Quality Criteria Analysis for Station: GOGA0026

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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: GOGA0027

NPS Station ID: GOGA0027 | LAT/LON: 37.499445/-122.239458 | Agency: 21CAL-1 | Date Created: 10/18/80
Location: CORDILLERAS C A HWY 101 | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E7002001
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050004 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050004 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003004118.49 | RF3 Mile Point: 20.03 | Distance from RF3: 0.40 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 10 ;
STATION NAME: CORDILLERAS C A HWY 101 ; DWR COUNTY CODE: 41; LATITUDE: 372958; LONGITUDE: 1221422;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 03, SECTION 18EBASE M;
USGS QUADRANGLE NUMBER: . 428; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/27/54-03/12/54	2	48.5	48.5	50.	47.	4.5	2.121	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/27/54-03/12/54	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	01/27/54-03/12/54	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/27/54-03/12/54	2	906.5	906.5	928.	885.	924.5	30.406	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/27/54-03/12/54	2	7.85	7.85	7.9	7.8	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/27/54-03/12/54	2	7.847	7.847	7.9	7.8	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/54-03/12/54	2	0.014	0.014	0.016	0.013	0.	0.002	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/54-03/12/54	2	376.	376.	388.	364.	288.	16.971	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/27/54-03/12/54	2	70.	70.	70.	70.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/27/54-03/12/54	2	49.	49.	52.	46.	18.	4.243	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/27/54-03/12/54	2	47.	47.	48.	46.	2.	1.414	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/27/54-03/12/54	2	3.1	3.1	3.2	3.	0.02	0.141	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/27/54-03/12/54	2	94.5	94.5	97.	92.	12.5	3.536	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/27/54-03/12/54	2	87.5	87.5	90.	85.	12.5	3.536	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/27/54-03/12/54	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/27/54-03/12/54	2	12.5	12.5	13.	12.	0.5	0.707	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/27/54-03/12/54	2	35.	35.	70.	0.	2450.	49.497	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/27/54-03/12/54	2	245.5	245.5	267.	224.	924.5	30.406	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/27/54-03/12/54	2	4.1	4.1	6.5	1.7	11.52	3.394	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00							2	0	0.00			
		Drinking Water	250.	2	0	0.00							2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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: GOGA0028

NPS Station ID: GOGA0028
LAT/LON: 37.503614/-122.485848
Agency: 21CAL-1
Date Created: 12/22/79
Location: DENNISTON CR AT PRINCETON
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8730401 /2022113
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 12.80
On/Off RF1:
RF3 Index: 18050006007800.00
RF3 Mile Point: 3.29
Distance from RF3: 0.03
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 15 ;
STATION NAME: DENNISTON CR AT PRINCETON ; DWR COUNTY CODE: 41; LATITUDE: 373013; LONGITUDE: 1222909;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 06, SECTION 14BBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0028

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: GOGA0029

NPS Station ID: GOGA0029 LAT/LON: 37.734111/-122.507173 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH NEAR VICENTE OVERFLOW STRUCTURE FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM211
RMI-Indexes: Within Park Boundary: YES
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), ON OCEAN BEACH SHORE NEAR THE VICENTE OVERFLOW STRUCTURE. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1986-1988 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/21/86-12/29/88	163	85.	701.147	24000.	2.	8153004.953	2855.347	30.	30.	230.	858.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/21/86-12/29/88	163	1.929	1.976	4.38	0.301	0.469	0.685	1.477	1.477	2.362	2.931
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			94.724								

** - Less than 9 observations ## - 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: GOGA0029

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	163	10	0.06				63	7	0.11	100	3	0.03			

& - 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: GOGA0030

NPS Station ID: GOGA0030 LAT/LON: 37.734111/-122.507173 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH NEAR VICENTE OVERFLOW STRUCTURE FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_SW211
RMI-Indexes: Within Park Boundary: YES
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), ON OCEAN BEACH SHORE NEAR THE VICENTE OVERFLOW STRUCTURE. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) SOUTHWEST OCEAN OUTFALL REGIONAL MONITORING PROGRAM AND WERE REPORTED IN THE 1997-1999 ANNUAL REPORTS. THIS PROGRAM REPLACES THE CCSF OCEAN OUTFALL MONITORING PROGRAM AND MONITORS SHORELINE BACTERIOLOGICAL, MARINE SEDIMENT, BENTHIC INFAUNA AND FISH AND EPIBENTHIC INVERTEBRATES. FOR MORE INFORMATION ON THE STUDE, CONTACT CCSF AT TEL. (415) 242-2201. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE PARK AT FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/97-12/29/99	630	10.	53.456	2400.	5.	29614.458	172.089	5.	5.	36.	100.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/97-12/29/99	630	1.	1.176	3.38	0.699	0.323	0.569	0.699	0.699	1.556	2.
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			14.99								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/06/97-03/28/97	36 ##	10.	29.722	210.	5.	2511.349	50.113	5.	5.	30.	77.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/06/97-03/28/97	36 ##	1.	1.125	2.322	0.699	0.251	0.501	0.699	0.699	1.477	1.833
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.343								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/06/97-03/28/97	68 ##	5.	19.559	290.	5.	2461.743	49.616	5.	5.	10.	41.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/06/97-03/28/97	68 ##	0.699	0.925	2.462	0.699	0.177	0.42	0.699	0.699	1.	1.612
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			8.421								

** - Less than 9 observations ## - 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: GOGA0030

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	630	6	0.01	251	3	0.01	167	3	0.02	212	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	36	2	0.06				5	0	0.00	31	2	0.06			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	68	8	0.12				10	4	0.40	58	4	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: GOGA0031

NPS Station ID: GOGA0031 LAT/LON: 37.506274/-122.350706 Agency: 11NPSWRD Date Created: 06/12/99
Location: UPPER CRYSTAL SPRINGS RESERVOIR TRIBUTARY #1 FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_SFWD_UCS1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED NEAR TRIBUTARY #1 OF UPPER CRYSTAL SPRINGS RESERVOIR AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/98-01/23/98	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/98-01/23/98	1	574.	574.	574.	574.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/98-01/23/98	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/23/98-01/23/98	1	7.56	7.56	7.56	7.56	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/23/98-01/23/98	1	7.56	7.56	7.56	7.56	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/98-01/23/98	1	0.028	0.028	0.028	0.028	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/23/98-01/23/98	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/23/98-01/23/98	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/23/98-01/23/98	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/98-01/23/98	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/98-01/23/98	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/98-01/23/98	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	01/23/98-01/23/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	01/23/98-01/23/98	1	333.	333.	333.	333.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/23/98-01/23/98	1	367.	367.	367.	367.	0.	0.	**	**	**	**
71870	BROMIDE (MG/L AS BR)	01/23/98-01/23/98	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/98-01/23/98	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: GOGA0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
82078	TURBIDITY, FIELD	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: GOGA0032

NPS Station ID: GOGA0032 | LAT/LON: 37.509720/-122.478621 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: DENNISTON C A HWY 1 A EL GRANADA | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8730501 /2022101
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006015 | RF1 Mile Point: 3.450 | Distance from RF1: 6.60 | On/Off RF1: OFF
RF3 Index: 18050006007800.00 | RF3 Mile Point: 0.29 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 35 ;
STATION NAME: DENNISTON C A HWY 1 A EL GRANADA ; DWR COUNTY CODE: 41; LATITUDE: 373035; LONGITUDE: 1222913;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 06, SECTION 11LBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-9 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/74-04/04/75	17	12.	12.029	16.5	8.	4.64	2.154	9.2	10.5	13.75	15.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/74-04/04/75	17	1.	1.735	7.	0.	3.066	1.751	0.4	0.5	2.5	4.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/26/74-04/04/75	15	14.	54.	270.	1.	6642.714	81.503	1.6	4.	65.	234.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/26/74-04/04/75	17	305.	343.765	585.	185.	17497.441	132.278	205.	225.	467.5	549.
00300	OXYGEN, DISSOLVED MG/L	03/26/74-04/04/75	14	10.3	9.957	11.3	8.3	0.649	0.805	8.65	9.25	10.5	10.95
00400	PH (STANDARD UNITS)	03/26/74-03/03/75	14	7.55	7.5	7.7	7.1	0.046	0.215	7.15	7.3	7.7	7.7
00400	CONVERTED PH (STANDARD UNITS)	03/26/74-03/03/75	14	7.547	7.448	7.7	7.1	0.049	0.221	7.15	7.3	7.7	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/74-03/03/75	14	0.028	0.036	0.079	0.02	0.	0.019	0.02	0.02	0.05	0.071
00403	PH, LAB, STANDARD UNITS SU	03/26/74-04/04/75	11	7.7	7.491	8.	6.2	0.315	0.561	6.32	7.2	7.9	7.98
00403	CONVERTED PH, LAB, STANDARD UNITS	03/26/74-04/04/75	11	7.7	7.041	8.	6.2	0.538	0.733	6.32	7.2	7.9	7.98
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/74-04/04/75	11	0.02	0.091	0.631	0.01	0.034	0.184	0.011	0.013	0.063	0.536
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/74-04/04/75	11	54.	49.636	74.	25.	224.655	14.988	26.	32.	59.	71.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/26/74-04/04/75	11	151.	158.273	230.	130.	816.618	28.577	130.	136.	168.	219.6
00545	RESIDUE, SETTLEABLE (ML/L)	03/26/74-04/04/75	14	0.1	0.121	0.5	0.	0.026	0.163	0.	0.	0.15	0.45
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/26/74-12/04/74	3	0.3	0.267	0.5	0.	0.063	0.252	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/74-12/04/74	3	0.01	0.007	0.01	0.	0.	0.006	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/74-04/04/75	11	79.	85.909	149.	38.	1114.491	33.384	40.	61.	117.	144.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/74-04/04/75	11	20.1	20.209	27.5	10.	24.315	4.931	11.12	17.8	24.	27.34
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/74-04/04/75	11	6.9	8.664	19.5	1.	31.985	5.655	1.44	5.3	12.2	19.1
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/74-12/04/74	3	21.9	22.6	25.	20.9	4.57	2.138	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/26/74-12/04/74	3	2.	2.9	5.	1.7	3.33	1.825	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/26/74-04/04/75	11	30.	34.818	72.	18.	194.764	13.956	19.8	28.	35.	66.6

** - 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

Parameter Inventory for Station: GOGA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/26/74-04/04/75	11	10.1	10.236	13.	7.8	3.463	1.861	7.92	8.7	12.2	12.9
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/26/74-12/04/74	3	0.2	0.3	0.5	0.2	0.03	0.173	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/16/74-12/04/74	2	45.	45.	80.	10.	2450.	49.497	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/26/74-12/04/74	3	1410.	1343.333	1800.	820.	243433.333	493.39	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/16/74-12/04/74	2	25.	25.	50.	0.	1250.	35.355	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	04/02/74-12/27/74	2	100.	100.	100.	100.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/26/74-12/04/74	3	1.3	1.2	2.2	0.1	1.11	1.054	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0032

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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.	15	5	0.33	5	0	0.00	3	1	0.33	7	4	0.57			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	14	0	0.00	6	0	0.00	3	0	0.00	5	0	0.00			
00400	PH	Fresh Chronic	9.	14	0	0.00	6	0	0.00	2	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	14	0	0.00	6	0	0.00	2	0	0.00	6	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	11	0	0.00	4	0	0.00	2	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	11	1	0.09	4	0	0.00	2	0	0.00	5	1	0.20			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	11	0	0.00	4	0	0.00	2	0	0.00	5	0	0.00			
		Drinking Water	250.	11	0	0.00	4	0	0.00	2	0	0.00	5	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	11	0	0.00	4	0	0.00	2	0	0.00	5	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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

Station Inventory for Station: GOGA0033

NPS Station ID: GOGA0033
LAT/LON: 37.510000/-122.245008
Agency: 1119REG9
Date Created: / /
Location: BTWN SMITH & STEINBERGER SLOUGHS
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/MUN/TREATD/OUTFL/OCEAN
STORET Station ID(s): 6000203
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 999
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050004000123.97
RF3 Mile Point: 24.02
Distance from RF3: 0.07
On/Off RF3:
Description:
CITIES OF SAN CARLOS - BELMONT, SAN MATEO COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THIS STATION IS LOCATED AT A POINT IN THE TREATMENT FACILITIES OF THE SAN CARLOS - BELMONT WATER POLLUTION CONTROL PLANT WHERE ALL WASTE TRIBUTARY TO THE OUTFALL IS PRESENT. THE DATA IS FROM EPA TESTING.

Parameter Inventory for Station: GOGA0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/72-08/08/72	3	28.	28.	28.	28.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	08/08/72-08/08/72	1	351.	351.	351.	351.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/08/72-08/08/72	3	6.9	6.8	6.9	6.6	0.03	0.173	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/08/72-08/08/72	3	6.9	6.776	6.9	6.6	0.031	0.176	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/72-08/08/72	3	0.126	0.168	0.251	0.126	0.005	0.072	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/08/72-08/08/72	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/08/72-08/08/72	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/72-08/08/72	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/08/72-08/08/72	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/08/72-08/08/72	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/08/72-08/08/72	1	660.	660.	660.	660.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/08/72-08/08/72	1	810.	810.	810.	810.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/08/72-08/08/72	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/08/72-08/08/72	1	1030.	1030.	1030.	1030.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/08/72-08/08/72	3	200.	326.667	580.	200.	48133.333	219.393	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/08/72-08/08/72	3	2.301	2.455	2.763	2.301	0.071	0.267	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			285.209								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/08/72-08/08/72	3	200.	200.	200.	200.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/08/72-08/08/72	3	2.301	2.301	2.301	2.301	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			200.								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/08/72-08/08/72	3	3.4	3.2	3.5	2.7	0.19	0.436	**	**	**	**
70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	08/08/72-08/08/72	1	281.	281.	281.	281.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/08/72-08/08/72	1	4.1	4.1	4.1	4.1	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: GOGA0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Marine Chronic	8.5	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
01027	CADMIUM, TOTAL	Marine Acute	43.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Marine Acute	2.9	1	1	1.00	1	1	1.00									
01051	LEAD, TOTAL	Marine Acute	220.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Marine Acute	95.	1	1	1.00	1	1	1.00									
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	3	0	0.00	3	0	0.00									
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	3	3	1.00	3	3	1.00									
50060	CHLORINE, TOTAL RESIDUAL	Marine Acute	0.013	3	3	1.00	3	3	1.00									
71900	MERCURY, TOTAL	Marine Acute	2.1	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: GOGA0034

NPS Station ID: GOGA0034
LAT/LON: 37.512502/-122.432788
Agency: 112WRD
Date Created: 09/02/76
Location: FRENCHMANS CREEK NEAR HALF MOON
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 373045122255800
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 7.60
On/Off RF1:
RF3 Index: 18050006004200.00
RF3 Mile Point: 0.77
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/24/59-03/24/59	1	250.	250.	250.	250.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/24/59-03/24/59	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/24/59-03/24/59	1	102.	102.	102.	102.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/24/59-03/24/59	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/24/59-03/24/59	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/24/59-03/24/59	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/24/59-03/24/59	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/24/59-03/24/59	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/24/59-03/24/59	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/24/59-03/24/59	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/24/59-03/24/59	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/24/59-03/24/59	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/24/59-03/24/59	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/24/59-03/24/59	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00950	FLUORIDE, 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: GOGA0035

NPS Station ID: GOGA0035
LAT/LON: 37.513500/-122.267014
Agency: 11NPSWRD
Date Created: 06/12/99
Location: BELMONT PUMPING STATION
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_COE_BELMO
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN MATEO CA 7.5' SERIES (TOPO.) QUAD. THE SITE WAS LOCATED AT BELMONT PUMPING STATION AT EL CAMINO REAL AT THE CITY LIMITS OF BELMONT AND SAN CARLOS. THIS SITE NO LONGER EXISTS BUT WAS OUTSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. LITTLE IS KNOWN ABOUT WHAT THIS SITE WAS LIKE; THEREFORE; WE ARE ASSUMING THAT RESERVOIRS IN THIS REPORT WERE UNTREATED AND UNCOVERED. SOME OF THE RESERVOIRS THAT EXIST TODAY ARE NOW TREATED AND COVERED. OTHER ASSUMPTIONS HAVE BEEN MADE REGARDING SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT GOLDEN GATE NRA; FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	05/31/06-05/31/06	1	273.	273.	273.	273.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/31/06-05/31/06	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/31/06-05/31/06	1	173.	173.	173.	173.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	05/31/06-05/31/06	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/06-05/31/06	1	17.	17.	17.	17.	0.	0.	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	1	3400.	3400.	3400.	3400.	0.	0.	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	1	3.531	3.531	3.531	3.531	0.	0.	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			3400.								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	05/31/06-05/31/06	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	05/31/06-05/31/06	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: GOGA0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
71850	NITRATE NITROGEN, TOTAL (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: GOGA0036

NPS Station ID: GOGA0036 | LAT/LON: 37.516947/-122.270568 | Agency: 21CAL-1 | Date Created: 12/22/79
Location: BELMONT CR AT HWY 101 AT BELMONT | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E7111010 /2044008
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050004 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050004 | RF1 Mile Point: 0.000 | Distance from RF1: 22.60 | On/Off RF1:
RF3 Index: 18050003103600.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.01 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 25 ;
STATION NAME: BELMONT CR AT HWY 101 AT BELMONT ; DWR COUNTY CODE: 41; LATITUDE: 373101; LONGITUDE: 1221614;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 04, SECTION 11CBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	03/12/54-03/12/54	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/12/54-03/12/54	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	03/12/54-03/12/54	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/54-03/12/54	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/12/54-03/12/54	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/12/54-03/12/54	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/12/54-03/12/54	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/12/54-03/12/54	1	396.	396.	396.	396.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/12/54-03/12/54	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/12/54-03/12/54	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/12/54-03/12/54	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/12/54-03/12/54	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/12/54-03/12/54	1	165.	165.	165.	165.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/12/54-03/12/54	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/12/54-03/12/54	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/12/54-03/12/54	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/12/54-03/12/54	1	210.	210.	210.	210.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	03/12/54-03/12/54	1	248.	248.	248.	248.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/12/54-03/12/54	1	2.1	2.1	2.1	2.1	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: GOGA0036

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	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			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, 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: GOGA0037

NPS Station ID: GOGA0037
LAT/LON: 37.520001/-122.488066
Agency: 21CAL-1
Date Created: 12/22/79
Location: DENNISTON CREEK BELOW DAM
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8730850 /2022114
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.50
On/Off RF1:
RF3 Index: 18050004149600.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 100 ;
STATION NAME: DENNISTON CR BL DAM ; DWR COUNTY CODE: 41; LATITUDE: 373112; LONGITUDE: 1222917;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 06, SECTION 02PBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0037

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: GOGA0038

NPS Station ID: GOGA0038
LAT/LON: 37.520837/-122.489588
Agency: 21CAL-3
Date Created: 07/16/83
Location: 41-011 DENNISTON WTP
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): E41/011-DENNISO
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 12.40
On/Off RF1:
RF3 Index: 18050006007101.32
RF3 Mile Point: 4.29
Distance from RF3: 0.06
On/Off RF3:
Description:
DIST 05 COASTSIDE CWD-DENNISTON WTP
DIVERTS WATER FROM DENNISTON & SAN VICENTE CREEKS

Parameter Inventory for Station: GOGA0038

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: GOGA0039

NPS Station ID: GOGA0039
LAT/LON: 37.522774/-122.487233
Agency: 21CAL-1
Date Created: 12/22/79
Location: DENNISTON CREEK ABOVE RESERVOIR
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8731050 /2022115
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 10.50
On/Off RF1:
RF3 Index: 18050006007300.64
RF3 Mile Point: 1.57
Distance from RF3: 0.00
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 115 ;
STATION NAME: DENNISTON CR AB RESERVOIR ; DWR COUNTY CODE: 41; LATITUDE: 373122; LONGITUDE: 1222914;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 06, SECTION 02PBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/09/63-04/20/64	3	58.	62.	70.	58.	48.	6.928	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/09/63-04/20/64	3	2.	1.333	2.	0.	1.333	1.155	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/17/63-04/24/64	9	265.	266.778	300.	207.	707.944	26.607	207.	258.5	286.	300.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/63-04/20/64	3	266.	273.	292.	261.	277.	16.643	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/09/63-04/20/64	3	9.8	10.1	11.4	9.1	1.39	1.179	**	**	**	**
00400	PH (STANDARD UNITS)	10/09/63-04/20/64	3	7.8	7.5	8.	6.7	0.49	0.7	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/09/63-04/20/64	3	7.8	7.124	8.	6.7	0.702	0.838	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/63-04/20/64	3	0.016	0.075	0.2	0.01	0.012	0.108	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/09/63-11/14/63	2	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/09/63-11/14/63	2	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/63-11/14/63	2	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/09/63-04/24/64	10	80.	81.	90.	72.	27.333	5.228	72.3	78.	85.	89.5
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/09/63-11/14/63	2	19.	19.	21.	17.	8.	2.828	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/09/63-11/14/63	2	7.15	7.15	7.9	6.4	1.125	1.061	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/09/63-11/14/63	2	23.5	23.5	24.	23.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/09/63-11/14/63	2	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/09/63-04/24/64	9	36.	36.333	40.	31.	15.	3.873	31.	32.	40.	40.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	10/09/63-11/14/63	2	9.3	9.3	10.	8.6	0.98	0.99	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/63-10/09/63	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/09/63-10/09/63	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/09/63-04/20/64	3	0.	6.667	20.	0.	133.333	11.547	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/20/64-04/20/64	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: GOGA0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	10/09/63-11/14/63	2	72.5	72.5	73.	72.	0.5	0.707	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/09/63-04/20/64	3	157.	150.	162.	131.	277.	16.643	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/63-11/14/63	2	0.7	0.7	1.2	0.2	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

EPA Water Quality Criteria Analysis for Station: GOGA0039

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	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			
00403	PH, LAB	Fresh Chronic	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						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	250.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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: GOGA0040

NPS Station ID: GOGA0040 | LAT/LON: 37.522778/-122.505011 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: SAN VICENTE C A ETHELDORE RD | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8740601 /2022102
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050006007600.00 | RF3 Mile Point: 0.37 | Distance from RF3: 0.29 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 78 ;
STATION NAME: SAN VICENTE C A ETHELDORE RD ; DWR COUNTY CODE: 41; LATITUDE: 373122; LONGITUDE: 1223018;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 06, SECTION 03PBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-8 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/74-04/03/75	15	12.	11.46	16.	0.9	13.667	3.697	4.56	10.5	14.	15.4
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/28/53-06/09/53	2	54.	54.	60.	48.	72.	8.485	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/28/53-04/03/75	16	1.	2.125	10.	0.5	5.683	2.384	0.5	1.	2.	6.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/74-04/03/75	13	26.	50.	190.	9.	3788.667	61.552	9.4	17.5	52.5	186.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/74-04/03/75	16	225.	293.188	610.	170.	20375.896	142.744	180.5	192.5	441.25	533.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/53-06/09/53	2	235.5	235.5	254.	217.	684.5	26.163	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/14/74-04/03/75	15	10.3	10.327	12.	9.6	0.368	0.606	9.6	9.9	10.6	11.34
00400	PH (STANDARD UNITS)	03/14/74-04/03/75	14	7.45	7.436	7.7	7.1	0.03	0.174	7.15	7.3	7.525	7.7
00400	CONVERTED PH (STANDARD UNITS)	03/14/74-04/03/75	14	7.447	7.403	7.7	7.1	0.031	0.177	7.15	7.3	7.525	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/74-04/03/75	14	0.036	0.04	0.079	0.02	0.	0.017	0.02	0.03	0.05	0.071
00403	PH, LAB, STANDARD UNITS SU	01/28/53-04/03/75	14	7.5	7.507	8.1	6.7	0.17	0.412	6.85	7.25	7.825	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	01/28/53-04/03/75	14	7.489	7.321	8.1	6.7	0.207	0.455	6.85	7.25	7.825	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/53-04/03/75	14	0.032	0.048	0.2	0.008	0.003	0.051	0.008	0.015	0.057	0.15
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/53-04/03/75	14	43.5	42.	57.	25.	70.308	8.385	27.	36.75	47.25	52.5
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/14/74-04/03/75	12	140.	143.5	194.	90.	999.	31.607	96.3	122.	167.	192.8
00545	RESIDUE, SETTLEABLE (ML/L)	03/14/74-04/03/75	11	0.2	0.718	4.	0.1	1.48	1.216	0.1	0.2	0.4	3.6
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/14/74-12/04/74	4	0.05	0.125	0.4	0.	0.036	0.189	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/14/74-12/04/74	4	0.1	0.548	1.99	0.	0.93	0.965	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/53-04/03/75	14	62.	70.214	141.	48.	669.566	25.876	50.	52.75	75.25	126.5
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/53-04/03/75	14	15.8	15.6	21.	9.6	8.837	2.973	10.8	14.	17.7	20.1
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/53-04/03/75	14	5.5	7.593	21.5	3.4	27.955	5.287	3.5	4.25	8.85	18.55
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/53-12/04/74	6	24.5	23.95	27.	20.8	5.687	2.385	**	**	**	**

** - 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

Parameter Inventory for Station: GOGA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/53-12/04/74	6	0.85	0.9	2.	0.3	0.376	0.613	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/53-04/03/75	14	33.	34.357	51.	23.	45.17	6.721	25.5	30.5	38.25	45.5
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/53-04/03/75	14	9.85	9.357	13.	6.6	4.36	2.088	6.7	7.25	11.05	12.5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/53-12/04/74	5	0.4	0.38	0.5	0.3	0.007	0.084	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/28/53-06/09/53	2	22.5	22.5	23.	22.	0.5	0.707	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/28/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/28/53-12/04/74	5	30.	38.	90.	0.	1370.	37.014	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/28/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/14/74-12/04/74	4	4105.	3960.	6070.	1560.	4588466.667	2142.071	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/28/53-06/09/53	2	200.	200.	400.	0.	80000.	282.843	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/74-12/04/74	4	15.	20.	50.	0.	600.	24.495	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/28/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/28/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/28/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/14/74-12/27/74	3	500.	733.333	1600.	100.	603333.333	776.745	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/28/53-12/04/74	6	0.85	1.283	4.2	0.	2.714	1.647	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	13	3	0.23	5	0	0.00	3	1	0.33	5	2	0.40			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	7	0	0.00	3	0	0.00	5	0	0.00			
00400	PH	Fresh Chronic	9.	14	0	0.00	7	0	0.00	2	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	14	0	0.00	7	0	0.00	2	0	0.00	5	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	14	0	0.00	6	0	0.00	2	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	14	0	0.00	6	0	0.00	2	0	0.00	6	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	14	0	0.00	6	0	0.00	2	0	0.00	6	0	0.00			
		Drinking Water	250.	14	0	0.00	6	0	0.00	2	0	0.00	6	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	14	0	0.00	6	0	0.00	2	0	0.00	6	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	5	0	0.00	3	0	0.00	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			
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			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5000.	2	0	0.00	1	0	0.00				1	0	0.00			
01220	CHROMIUM, HEXAVALENT, DISSOLVED	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			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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: GOGA0041

NPS Station ID: GOGA0041
LAT/LON: 37.524772/-122.396900
Agency: 21CAL-3
Date Created: 11/21/87
Location: 38-001 STONE DAM RESERVOIR-RAW
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D38/001-STONE-R
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.60
On/Off RF1:
RF3 Index: 18050006008600.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
DIST 04 SAN FRANCISCO WATER DEPT

Parameter Inventory for Station: GOGA0041

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: GOGA0042

NPS Station ID: GOGA0042
LAT/LON: 37.527412/-122.370838
Agency: 21CAL-3
Date Created: 11/21/87
Location: 38-001 LOWER CRYSTAL SPRINGS RES.-RAW
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D38/001-LCS-R
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.70
On/Off RF1:
RF3 Index: 18050003111300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
DIST 04 SAN FRANCISCO WATER DEPT

Parameter Inventory for Station: GOGA0042

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: GOGA0043

NPS Station ID: GOGA0043
LAT/LON: 37.528500/-122.361842
Agency: 11NPSWRD
Date Created: 06/12/99
Location: LOWER CRYSTAL SPRINGS RESERVOIR
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_SFWD_LCS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN MATEO CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT LOWER CRYSTAL SPRINGS RESERVOIR AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/96-11/04/98	377	12.6	14.244	25.2	11.1	11.78	3.432	11.4	11.9	15.7	20.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/19/96-11/04/98	384	174.5	173.302	252.	124.	279.12	16.707	155.	166.25	180.	189.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/96-11/04/98	376	8.	6.528	10.7	0.05	9.254	3.042	1.9	3.9	8.875	9.73
00406	PH, FIELD, STANDARD UNITS SU	06/19/96-11/04/98	384	7.48	7.508	8.65	6.86	0.143	0.378	7.09	7.2	7.708	8.06
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/19/96-11/04/98	384	7.48	7.376	8.65	6.86	0.161	0.401	7.09	7.2	7.708	8.06
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/96-11/04/98	384	0.033	0.042	0.138	0.002	0.001	0.03	0.009	0.02	0.063	0.081
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/19/96-11/04/98	209	57.	56.569	76.	43.	27.294	5.224	49.	55.	59.	62.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/97-11/06/97	3	0.16	0.19	0.36	0.05	0.025	0.157	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/19/96-11/04/98	204	0.2	0.166	0.34	0.025	0.009	0.095	0.045	0.045	0.25	0.27
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/19/96-11/04/98	204 ##	0.01	0.014	0.16	0.01	0.	0.017	0.01	0.01	0.01	0.02
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/98-11/04/98	55	0.02	0.023	0.08	0.005	0.	0.017	0.01	0.01	0.03	0.044
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/19/96-11/04/98	147	2.7	2.767	3.9	1.8	0.164	0.404	2.2	2.5	3.	3.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/19/96-11/04/98	209	65.	63.455	80.	46.	36.297	6.025	53.	62.	67.	68.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/19/96-11/04/98	204	11.	10.824	13.	8.	1.811	1.346	9.	10.	12.	12.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/96-04/06/98	142	11.	11.106	15.	8.	2.563	1.601	9.	10.	12.	13.
00951	FLUORIDE, TOTAL (MG/L AS F)	06/19/96-04/06/98	130 ##	0.05	0.051	0.14	0.005	0.	0.012	0.05	0.05	0.05	0.05
01055	MANGANESE, TOTAL (UG/L AS MN)	05/26/98-11/04/98	27	40.	89.481	750.	5.	22151.644	148.834	10.	20.	110.	209.6
46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	06/19/96-11/04/98	377	347.	348.517	492.	150.	2462.522	49.624	290.8	326.	373.5	413.
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/23/97-11/04/98	259	110.	109.815	161.	79.	182.105	13.495	92.	100.	118.	122.
71870	BROMIDE (MG/L AS BR)	06/19/96-04/06/98	142	0.03	0.027	0.04	0.01	0.	0.008	0.02	0.02	0.03	0.04
74010	IRON, TOTAL (MG/L AS FE)	05/26/98-11/04/98	27	0.24	0.348	1.2	0.005	0.093	0.305	0.056	0.11	0.58	0.778
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/19/96-11/04/98	242	5.	11.913	136.	0.5	317.41	17.816	0.9	1.4	14.	30.7

** - 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

EPA Water Quality Criteria Analysis for Station: GOGA0043

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	374 &	94	0.25	178	70	0.39	58	24	0.41	138	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	384	0	0.00	180	0	0.00	58	0	0.00	146	0	0.00			
		Other-Lo Lim.	6.5	384	0	0.00	180	0	0.00	58	0	0.00	146	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	204	0	0.00	95	0	0.00	32	0	0.00	77	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	204	0	0.00	95	0	0.00	32	0	0.00	77	0	0.00			
		Drinking Water	250.	204	0	0.00	95	0	0.00	32	0	0.00	77	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	142	0	0.00	47	0	0.00	18	0	0.00	77	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	130	0	0.00	47	0	0.00	6	0	0.00	77	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	242	9	0.04	101	0	0.00	32	0	0.00	109	9	0.08			

& - 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: GOGA0044

NPS Station ID: GOGA0044 | LAT/LON: 37.529718/-122.502792 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: DEAN C AB CABRILLO HWY A MOSS BEA | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8749401 /2022103
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 6.50 | On/Off RF1:
RF3 Index: 18050006007200.00 | RF3 Mile Point: 0.62 | Distance from RF3: 0.02 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 140 ;
STATION NAME: DEAN C AB CABRILLO HWY A MOSS BEA; DWR COUNTY CODE: 41; LATITUDE: 373147; LONGITUDE: 1223010;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 05S, RANGE 06, SECTION 03GBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-7 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/74-04/02/75	10	11.75	11.65	15.	5.	8.281	2.878	5.5	10.375	14.	14.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/74-04/02/75	12	0.5	0.625	2.	0.	0.278	0.528	0.	0.5	0.875	1.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/74-04/02/75	10	32.	63.4	250.	5.	5816.267	76.264	5.7	13.5	105.	237.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/74-04/02/75	10	527.5	592.	1255.	260.	89395.556	298.991	263.	350.	781.25	1214.
00300	OXYGEN, DISSOLVED MG/L	03/14/74-04/02/75	10	9.1	8.97	10.4	7.7	0.718	0.847	7.73	8.075	9.55	10.33
00400	PH (STANDARD UNITS)	03/14/74-04/02/75	9	7.1	7.067	7.3	6.8	0.037	0.194	6.8	6.9	7.25	7.3
00400	CONVERTED PH (STANDARD UNITS)	03/14/74-04/02/75	9	7.1	7.029	7.3	6.8	0.039	0.198	6.8	6.9	7.25	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/74-04/02/75	9	0.079	0.094	0.158	0.05	0.002	0.041	0.05	0.057	0.126	0.158
00403	PH, LAB, STANDARD UNITS SU	03/14/74-04/02/75	11	7.2	7.264	8.	6.7	0.129	0.359	6.74	7.	7.5	7.92
00403	CONVERTED PH, LAB, STANDARD UNITS	03/14/74-04/02/75	11	7.2	7.145	8.	6.7	0.144	0.38	6.74	7.	7.5	7.92
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/74-04/02/75	11	0.063	0.072	0.2	0.01	0.003	0.054	0.013	0.032	0.1	0.185
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	11	48.	48.364	73.	34.	152.455	12.347	34.2	38.	59.	70.8
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/14/74-04/02/75	11	357.	388.545	950.	227.	44598.873	211.184	228.6	244.	474.	860.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/15/74-05/15/74	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	03/14/74-04/02/75	9	0.	0.067	0.3	0.	0.01	0.1	0.	0.	0.1	0.3
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/14/74-03/13/75	4	0.6	1.35	4.	0.2	3.157	1.777	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/14/74-03/13/75	4	0.155	0.208	0.49	0.03	0.045	0.212	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	11	136.	148.091	392.	60.	9306.091	96.468	61.8	79.	196.	356.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/74-04/02/75	11	22.	24.673	63.1	9.6	243.778	15.613	9.84	12.1	32.8	57.6
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/74-04/02/75	11	18.2	20.964	57.	8.8	199.811	14.135	9.08	10.3	29.6	51.68
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/74-03/13/75	4	49.9	53.3	79.4	34.	473.347	21.757	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/74-03/13/75	4	3.55	8.775	25.	3.	117.269	10.829	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/74-04/02/75	11	70.	97.636	180.	39.	2859.455	53.474	39.6	50.	140.	180.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/74-04/02/75	11	13.	19.564	44.8	2.8	215.497	14.68	3.6	8.2	35.6	43.84
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/15/74-03/13/75	3	0.3	0.2	0.3	0.	0.03	0.173	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/15/74-03/13/75	3	90.	143.333	340.	0.	31033.333	176.163	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/14/74-03/13/75	4	7585.	9052.5	21000.	40.	98634491.667	9931.49	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/74-03/13/75	4	75.	112.5	300.	0.	20625.	143.614	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/14/74-03/13/75	4	2.8	6.1	17.7	1.1	60.453	7.775	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0044

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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.	10	4	0.40	2	0	0.00	2	1	0.50	6	3	0.50			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	10	0	0.00	2	0	0.00	2	0	0.00	6	0	0.00			
00400	PH	Fresh Chronic	9.	9	0	0.00	2	0	0.00	1	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	2	0	0.00	1	0	0.00	6	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	11	0	0.00	2	0	0.00	2	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00	2	0	0.00	2	0	0.00	7	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	11	0	0.00	2	0	0.00	2	0	0.00	7	0	0.00			
		Drinking Water	250.	11	0	0.00	2	0	0.00	2	0	0.00	7	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	11	0	0.00	2	0	0.00	2	0	0.00	7	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	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: GOGA0045

NPS Station ID: GOGA0045 LAT/LON: 37.530246/-122.368143 Agency: 11NPSWRD Date Created: 07/11/98
Location: CENTER OF LOWER CRYSTAL SPRINGS RESERVOIR FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_USGS_LCSR
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN MATEO CALIFORNIA-SAN MATEO CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON LOWER CRYSTAL SPRINGS RESERVOIR APPROXIMATELY 1 1/2 MILES WEST OF THE COLLEGE SAN MATEO AND IS INSIDE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. THE EXACT SAMPLING LOCATION WAS NOT SPECIFIED; SO THE APPROXIMATE CENTER OF THE LAKE WAS DIGITIZED TO DETERMINE THE LATITUDE AND LONGITUDE FOR THE SITE. ONE SAMPLE FOR THIS SITE WAS COLLECTED ON 5 JUNE 1972. THE RESULTS ARE IN "LIMNOLOGICAL DATA FROM SELECTED LAKES IN THE SAN FRANCISCO BAY REGION; CALIFORNIA" BY LINDA BRITTON; RODGER F. FERREIRA; AND ROBERT C. AVERETT (UNITED STATES GEOLOGICAL SURVEY-WATER RESOURCES DIVISION "OPEN-FILE REPORT;" 25 JUNE 1974). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/05/72-06/05/72	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/05/72-06/05/72	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/05/72-06/05/72	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/72-06/05/72	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/05/72-06/05/72	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/05/72-06/05/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/05/72-06/05/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/05/72-06/05/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/05/72-06/05/72	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/05/72-06/05/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/05/72-06/05/72	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/05/72-06/05/72	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/05/72-06/05/72	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/05/72-06/05/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/05/72-06/05/72	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/05/72-06/05/72	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/05/72-06/05/72	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: GOGA0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/05/72-06/05/72	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: GOGA0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	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									
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									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, 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: GOGA0046

NPS Station ID: GOGA0046
LAT/LON: 37.536111/-122.468070
Agency: 112WRD
Date Created: 09/02/76
Location: DENNISTON C NR HALF MOON BAY CA
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 373210122280500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 19.30
On/Off RF1:
RF3 Index: 18050006007801.93
RF3 Mile Point: 5.66
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/59-03/29/59	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/59-03/29/59	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/29/59-03/29/59	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/29/59-03/29/59	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/29/59-03/29/59	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/59-03/29/59	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/29/59-03/29/59	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/29/59-03/29/59	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/29/59-03/29/59	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/29/59-03/29/59	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/29/59-03/29/59	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/29/59-03/29/59	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/29/59-03/29/59	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/29/59-03/29/59	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

EPA Water Quality Criteria Analysis for Station: GOGA0046

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00950	FLUORIDE, 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: GOGA0047

NPS Station ID: GOGA0047 | LAT/LON: 37.539442/-122.502230 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: MONTARA C A ELM ST A MONTARA | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8751001 /2022104
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 9.20 | On/Off RF1:
RF3 Index: 18050006007201.13 | RF3 Mile Point: 1.15 | Distance from RF3: 0.24 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 150 ;
STATION NAME: MONTARA C A ELM ST A MONTARA ; DWR COUNTY CODE: 41; LATITUDE: 373222; LONGITUDE: 1223008;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 06, SECTION 34KBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-6 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/74-04/02/75	18	13.	12.639	17.	5.	6.406	2.531	10.4	11.75	14.25	15.65
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/74-04/02/75	18	0.5	1.194	5.	0.5	1.592	1.262	0.5	0.5	1.25	3.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/74-04/02/75	15	29.	100.2	900.	7.	50335.6	224.356	10.6	13.	80.	438.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/74-04/02/75	18	340.	365.	620.	180.	18323.529	135.364	198.	252.5	433.75	597.5
00300	OXYGEN, DISSOLVED MG/L	03/14/74-04/02/75	16	9.75	9.506	11.5	7.7	0.987	0.994	8.12	8.65	10.25	10.73
00400	PH (STANDARD UNITS)	03/14/74-04/02/75	15	7.2	7.313	7.8	7.2	0.031	0.177	7.2	7.2	7.4	7.62
00400	CONVERTED PH (STANDARD UNITS)	03/14/74-04/02/75	15	7.2	7.286	7.8	7.2	0.032	0.179	7.2	7.2	7.4	7.62
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/74-04/02/75	15	0.063	0.052	0.063	0.016	0.	0.016	0.025	0.04	0.063	0.063
00403	PH, LAB, STANDARD UNITS SU	03/14/74-04/02/75	13	7.4	7.269	7.7	6.5	0.147	0.384	6.66	6.9	7.6	7.66
00403	CONVERTED PH, LAB, STANDARD UNITS	03/14/74-04/02/75	13	7.4	7.099	7.7	6.5	0.179	0.423	6.66	6.9	7.6	7.66
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/74-04/02/75	13	0.04	0.08	0.316	0.02	0.007	0.083	0.022	0.025	0.126	0.24
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	13	44.	43.769	62.	22.	172.192	13.122	23.2	32.5	56.	60.8
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/14/74-04/02/75	13	213.	226.385	436.	159.	5013.423	70.806	161.	186.5	252.5	365.6
00545	RESIDUE, SETTLEABLE (ML/L)	03/14/74-04/02/75	14	0.1	0.15	0.5	0.	0.018	0.134	0.	0.075	0.2	0.4
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/14/74-12/03/74	4	0.55	1.13	3.4	0.02	2.368	1.539	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/14/74-12/03/74	4	0.055	0.05	0.07	0.02	0.	0.022	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	13	87.	103.538	242.	60.	3098.436	55.664	60.	64.	109.	225.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/74-04/02/75	13	23.5	25.338	62.	13.6	159.308	12.622	13.96	15.85	29.45	50.16
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/74-04/02/75	13	7.3	9.746	29.1	4.2	51.684	7.189	4.48	6.05	9.5	25.94
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/74-12/03/74	4	26.85	27.15	31.4	23.5	14.203	3.769	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/74-12/03/74	4	0.75	1.15	3.	0.1	1.657	1.287	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/74-04/02/75	13	43.	44.231	68.	29.	121.526	11.024	29.8	35.	50.	63.6

** - 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

Parameter Inventory for Station: GOGA0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/74-04/02/75	13	15.	26.662	126.	12.3	965.378	31.071	12.5	13.5	22.95	93.44
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/14/74-12/03/74	4	0.25	0.35	0.7	0.2	0.057	0.238	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/15/74-12/03/74	3	50.	76.667	150.	30.	4133.333	64.291	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/14/74-09/10/74	3	580.	983.333	1800.	570.	500233.333	707.272	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/15/74-12/03/74	3	20.	273.333	790.	10.	200233.333	447.474	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	04/03/74-02/07/75	2	100.	100.	100.	100.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/14/74-12/03/74	4	2.35	4.95	15.	0.1	46.39	6.811	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0047

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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.	15	6	0.40	5	0	0.00	3	1	0.33	7	5	0.71			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	7	0	0.00	3	0	0.00	6	0	0.00			
00400	PH	Fresh Chronic	9.	15	0	0.00	7	0	0.00	2	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	7	0	0.00	2	0	0.00	6	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	13	0	0.00	5	0	0.00	2	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	13	1	0.08	5	0	0.00	2	0	0.00	6	1	0.17			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	13	0	0.00	5	0	0.00	2	0	0.00	6	0	0.00			
		Drinking Water	250.	13	0	0.00	5	0	0.00	2	0	0.00	6	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	13	0	0.00	5	0	0.00	2	0	0.00	6	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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: GOGA0048

NPS Station ID: GOGA0048
LAT/LON: 37.542500/-122.368900
Agency: 112WRD
Date Created: 06/30/76
Location: UNNAMED STRM TRIB. TO LOWER CRYS
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 373233122220800
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 32.00
On/Off RF1:
RF3 Index: 18050004178300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/59-03/30/59	1	440.	440.	440.	440.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/30/59-03/30/59	1	143.	143.	143.	143.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/30/59-03/30/59	1	174.	174.	174.	174.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/30/59-03/30/59	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/30/59-03/30/59	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/30/59-03/30/59	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/30/59-03/30/59	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/30/59-03/30/59	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/30/59-03/30/59	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/30/59-03/30/59	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/30/59-03/30/59	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/30/59-03/30/59	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/30/59-03/30/59	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/30/59-03/30/59	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0048

				Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00950	FLUORIDE, 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: GOGA0049

NPS Station ID: GOGA0049
LAT/LON: 37.547494/-122.498621
Agency: 21CAL-3
Date Created: 08/22/87
Location: 41 010 MONTARA WATER TREATMENT PLANT
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): E41/010-MONVWTP
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050004071100.00
RF3 Mile Point: 0.42
Distance from RF3: 0.00
On/Off RF3:
Description:
DIST 05 MONTARA CUCC

Parameter Inventory for Station: GOGA0049

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: GOGA0050

NPS Station ID: GOGA0050
LAT/LON: 37.547694/-122.422095
Agency: 21CAL-3
Date Created: 11/21/87
Location: 38-001 PILARCITOS RESERVOIR-RAW
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D38/001-PILAR-R
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 6.70
On/Off RF1:
RF3 Index: 18050002104300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
DIST 04 SAN FRANCISCO WATER DEPT

Parameter Inventory for Station: GOGA0050

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: GOGA0051

NPS Station ID: GOGA0051
LAT/LON: 37.549169/-122.423284
Agency: 11NPSWRD
Date Created: 06/12/99
Location: PILARCITOS RESERVOIR
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_SFWD_PIL
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT PILARCITOS RESERVOIR AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/96-11/05/98	115	12.1	13.725	22.7	9.3	13.853	3.722	10.26	11.3	16.7	20.64
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/96-11/05/98	115	170.	170.357	244.	140.	529.582	23.013	146.6	154.	178.	202.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/96-11/05/98	115	7.5	5.303	11.4	0.05	15.988	3.999	0.05	0.1	8.7	9.28
00406	PH, FIELD, STANDARD UNITS SU	07/30/96-11/05/98	115	7.33	7.411	8.34	6.78	0.161	0.401	6.932	7.1	7.7	7.998
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/30/96-11/05/98	115	7.33	7.256	8.34	6.78	0.185	0.43	6.932	7.1	7.7	7.998
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/96-11/05/98	115	0.047	0.055	0.166	0.005	0.002	0.042	0.01	0.02	0.079	0.117
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/30/96-11/05/98	65	51.	50.523	62.	38.	30.847	5.554	42.	46.	54.5	57.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/01/97-07/07/98	8 ##	0.05	0.067	0.19	0.005	0.004	0.06	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/96-11/05/98	64 ##	0.045	0.107	0.32	0.025	0.009	0.095	0.025	0.045	0.175	0.29
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/30/96-11/05/98	64 ##	0.01	0.012	0.06	0.01	0.	0.007	0.01	0.01	0.01	0.02
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/98-11/05/98	35	0.03	0.065	0.6	0.005	0.013	0.112	0.01	0.01	0.07	0.194
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/96-11/05/98	49	2.5	2.614	4.1	2.	0.264	0.514	2.1	2.2	2.9	3.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/96-11/05/98	65	53.	52.308	64.	40.	31.779	5.637	43.2	49.	56.	59.
00940	CHLORIDE,TOTAL IN WATER MG/L	07/30/96-11/05/98	64	16.	16.094	19.	14.	2.626	1.62	14.	15.	17.	19.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/30/96-04/17/98	34	6.	6.088	7.	5.	0.265	0.514	5.5	6.	6.	7.
00951	FLUORIDE, TOTAL (MG/L AS F)	07/30/96-03/04/98	24	0.095	0.087	0.12	0.05	0.	0.019	0.05	0.08	0.1	0.1
01055	MANGANESE, TOTAL (UG/L AS MN)	06/05/98-11/05/98	18	80.	529.444	2200.	5.	583837.908	764.093	5.	20.	1080.	2020.
46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	07/30/96-11/05/98	110	273.	267.882	367.	65.	4743.848	68.876	177.4	225.5	324.25	332.9
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/97-11/05/98	89	103.	106.708	156.	87.	277.664	16.663	90.	94.	113.	140.
71870	BROMIDE (MG/L AS BR)	07/30/96-04/17/98	34	0.05	0.047	0.06	0.04	0.	0.007	0.04	0.04	0.05	0.06
71875	HYDROGEN SULFIDE (MG/L)	10/06/98-11/05/98	5	1.	1.52	4.	0.1	2.427	1.558	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	06/05/98-11/05/98	18	0.1	0.582	5.1	0.005	1.646	1.283	0.01	0.045	0.313	2.76
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/30/96-11/05/98	70	1.95	6.373	27.	0.5	67.981	8.245	0.71	0.9	7.7	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	96 &	24	0.25	52	20	0.38	18	4	0.22	26	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	115	0	0.00	71	0	0.00	18	0	0.00	26	0	0.00			
		Other-Lo Lim.	6.5	115	0	0.00	71	0	0.00	18	0	0.00	26	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	64	0	0.00	40	0	0.00	10	0	0.00	14	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	64	0	0.00	40	0	0.00	10	0	0.00	14	0	0.00			
		Drinking Water	250.	64	0	0.00	40	0	0.00	10	0	0.00	14	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	34	0	0.00	15	0	0.00	5	0	0.00	14	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	24	0	0.00	10	0	0.00	5	0	0.00	9	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	70	0	0.00	40	0	0.00	10	0	0.00	20	0	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: GOGA0052

NPS Station ID: GOGA0052 LAT/LON: 37.549249/-122.421313 Agency: 11NPSWRD Date Created: 06/12/99
Location: LAKE PILARCITOS (PILARCITOS RESERVOIR) FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_COE_PILAR
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE SITE IS LOCATED AT PILARCITOS RESERVOIR (EXACT SAMPLING COORDS. UNKNOWN) AND IS INSIDE OF GOLDEN GATE NATIONAL REC- REATION AREA (GOGA). DATA ARE FROM A REPORT BY MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. LITTLE IS KNOWN ABOUT WHAT THIS SITE WAS LIKE IN 1906; THEREFORE WE ARE ASSUMING THAT ALL RESERVOIRS IN THIS REPORT WERE UNTREATED AND UNCOVERED. SOME OF THE RESERVOIRS THAT EXIST TODAY ARE NOW TREATED AND COVERED. OTHER ASSUMPTIONS HAVE BEEN MADE REGARDING SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT GOLDEN GATE NRA; FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	05/31/06-05/31/06	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/31/06-05/31/06	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/31/06-05/31/06	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	05/31/06-05/31/06	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/06-05/31/06	1	20.	20.	20.	20.	0.	0.	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	1	3.301	3.301	3.301	3.301	0.	0.	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			2000.								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	05/31/06-05/31/06	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: GOGA0052

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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: GOGA0053

NPS Station ID: GOGA0053
LAT/LON: 37.550662/-122.424597
Agency: 11NPSWRD
Date Created: 07/11/98
Location: CENTER OF PILARCITOS LAKE
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_USGS_PL
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CALIFORNIA-SAN MATEO CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON PILARCITOS LAKE APPROXIMATELY 4 MILES NORTHEAST OF EL GRANADA AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. THE EXACT SAMPLING LOCATION WAS NOT SPECIFIED; SO THE APPROXIMATE CENTER OF THE LAKE WAS DIGITIZED TO DETERMINE THE LATITUDE AND LONGITUDE FOR THE SITE. SAMPLES WERE TAKEN ON 17 APRIL 1951; 19 DECEMBER 1958; AND 5 JUNE 1972. THE RESULTS ARE IN "LIMNOLOGICAL DATA FROM SELECTED LAKES IN THE SAN FRANCISCO BAY REGION; CALIFORNIA" BY LINDA BRITTON; RODGER F. FERREIRA; AND ROBERT C. AVERETT (UNITED STATES GEOLOGICAL SURVEY-WATER RESOURCES DIVISION "OPEN-FILE REPORT;" 25 JUNE 1974). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/51-06/05/72	3	175.	184.	220.	157.	1053.	32.45	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/51-06/05/72	3	7.7	7.7	7.8	7.6	0.01	0.1	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/17/51-06/05/72	3	7.7	7.692	7.8	7.6	0.01	0.1	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/51-06/05/72	3	0.02	0.02	0.025	0.016	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/17/51-06/05/72	3	54.	56.333	62.	53.	24.333	4.933	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/17/51-06/05/72	3	65.	68.667	76.	65.	40.333	6.351	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/17/51-06/05/72	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/17/51-06/05/72	3	0.02	0.03	0.05	0.02	0.	0.017	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/51-06/05/72	3	55.	60.333	72.	54.	102.333	10.116	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/17/51-06/05/72	3	14.	15.667	20.	13.	14.333	3.786	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/17/51-06/05/72	3	5.4	5.2	5.5	4.7	0.19	0.436	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/17/51-06/05/72	3	13.	13.	14.	12.	1.	1.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/19/58-06/05/72	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/17/51-06/05/72	3	17.	18.333	22.	16.	10.333	3.215	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/17/51-06/05/72	3	11.	10.8	14.	7.4	10.92	3.305	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/17/51-06/05/72	3	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/51-06/05/72	3	13.	10.833	13.	6.5	14.083	3.753	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	04/17/51-06/05/72	2	60.	60.	80.	40.	800.	28.284	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/05/72-06/05/72	1	40.	40.	40.	40.	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: GOGA0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/17/51-06/05/72	3	100.	109.	130.	97.	333.	18.248	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0053

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	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			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	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

Station Inventory for Station: GOGA0054

NPS Station ID: GOGA0054
LAT/LON: 37.552779/-122.493061
Agency: 21CAL-3
Date Created: 07/16/83
Location: 41-010 MONTARA CREEK
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): E41/010-RAW
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 18.80
On/Off RF1:
RF3 Index: 18050004077400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.05
On/Off RF3:
Description:
DIST 05 CITIZENS UTILITIES COMPANY

Parameter Inventory for Station: GOGA0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/10/87-03/10/87	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00086	ODOR (THRESHOLD NUMBER AT 60 DEG C)	03/10/87-03/10/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/10/87-03/10/87	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/10/87-03/10/87	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/10/87-03/10/87	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/10/87-03/10/87	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/10/87-03/10/87	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/10/87-03/10/87	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/10/87-03/10/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/10/87-03/10/87	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/10/87-03/10/87	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/10/87-03/10/87	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/10/87-03/10/87	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/10/87-03/10/87	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/10/87-03/10/87	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/10/87-03/10/87	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/10/87-03/10/87	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/10/87-03/10/87	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/10/87-03/10/87	1	140.	140.	140.	140.	0.	0.	**	**	**	**
71830	HYDROXIDE ION (MG/L AS OH)	03/10/87-03/10/87	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/10/87-03/10/87	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/10/87-03/10/87	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: GOGA0054

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	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: GOGA0054

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00951	FLUORIDE, TOTAL 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			
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: GOGA0055

NPS Station ID: GOGA0055
LAT/LON: 37.553612/-122.506675
Agency: 21CAL-1
Date Created: 04/26/86
Location: MARTINI C A SAN PEDRO MTN RD
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8757401
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY BASIN
ECO Region:
RF1 Index: 18050006015
RF1 Mile Point: 12.440
Distance from RF1: 15.70
On/Off RF1: OFF
RF3 Index: 18050004139800.00
RF3 Mile Point: 1.64
Distance from RF3: 0.08
On/Off RF3:
Description:
MARTINI C A SAN PEDRO MTN RD

Parameter Inventory for Station: GOGA0055

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: GOGA0056

NPS Station ID: GOGA0056
LAT/LON: 37.553889/-122.535010
Agency: 112WRD
Date Created: / /
Location: THE LAKE AT NEWARK CALIF
FIPS State/County: 06001 CALIFORNIA/ALAMEDA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11179400
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050006002200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/70-08/13/70	1	21.5	21.5	21.5	21.5	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/13/70-08/13/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	08/13/70-08/13/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/13/70-08/13/70	1	0.28	0.28	0.28	0.28	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: GOGA0056

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	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									
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									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.4	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									

& - 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: GOGA0056

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	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

Station Inventory for Station: GOGA0057

NPS Station ID: GOGA0057 | LAT/LON: 37.556939/-122.502792 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: MARTINI C S F NR MONTARA | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8757601 /2022105
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 9.90 | On/Off RF1:
RF3 Index: 18050006007100.00 | RF3 Mile Point: 0.62 | Distance from RF3: 0.05 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 190 ;
STATION NAME: MARTINI C S F NR MONTARA ; DWR COUNTY CODE: 41; LATITUDE: 373325; LONGITUDE: 1223010;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 06, SECTION 27GBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-5 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/74-04/02/75	17	12.	12.147	14.	9.	1.743	1.32	9.8	11.5	13.	14.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/74-04/02/75	17	0.5	0.735	2.	0.5	0.254	0.504	0.5	0.5	0.75	2.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/74-04/02/75	14	6.5	10.5	35.	3.	85.038	9.222	3.	4.	17.25	27.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/74-04/02/75	16	195.	282.5	625.	165.	21976.133	148.243	179.	186.75	418.75	555.
00300	OXYGEN, DISSOLVED MG/L	03/14/74-04/02/75	16	10.3	10.319	11.8	9.7	0.315	0.561	9.77	9.825	10.6	11.38
00400	PH (STANDARD UNITS)	03/14/74-04/02/75	15	7.5	7.46	7.8	7.	0.051	0.226	7.06	7.3	7.7	7.74
00400	CONVERTED PH (STANDARD UNITS)	03/14/74-04/02/75	15	7.5	7.402	7.8	7.	0.055	0.234	7.06	7.3	7.7	7.74
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/74-04/02/75	15	0.032	0.04	0.1	0.016	0.001	0.023	0.018	0.02	0.05	0.088
00403	PH, LAB, STANDARD UNITS SU	03/14/74-04/02/75	14	7.55	7.443	8.	6.5	0.24	0.489	6.5	7.15	7.8	7.95
00403	CONVERTED PH, LAB, STANDARD UNITS	03/14/74-04/02/75	14	7.547	7.138	8.	6.5	0.34	0.583	6.5	7.15	7.8	7.95
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/74-04/02/75	14	0.028	0.073	0.316	0.01	0.011	0.106	0.011	0.016	0.072	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	14	40.	38.5	48.	25.	37.038	6.086	27.5	33.75	43.	45.5
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/14/74-04/02/75	14	129.	132.857	169.	107.	332.901	18.246	110.	119.75	144.25	166.5
00545	RESIDUE, SETTLEABLE (ML/L)	03/14/74-04/02/75	12	0.1	0.167	0.4	0.1	0.01	0.098	0.1	0.1	0.2	0.37
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/14/74-03/13/75	5	0.3	0.52	1.6	0.1	0.377	0.614	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/14/74-03/13/75	5	0.08	0.068	0.15	0.	0.003	0.057	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	14	60.	64.786	120.	52.	313.874	17.716	52.	52.75	67.5	100.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/74-04/02/75	14	17.1	16.893	19.2	14.	2.305	1.518	14.6	15.375	18.1	18.9
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/74-04/02/75	14	4.	5.493	19.5	2.5	18.465	4.297	2.7	3.35	5.975	13.65
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/74-03/13/75	5	19.2	19.54	22.6	17.1	4.048	2.012	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/74-03/13/75	5	0.3	0.46	1.	0.	0.258	0.508	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/74-04/02/75	14	28.	30.571	45.	27.	27.033	5.199	27.	28.	31.5	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: GOGA0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/74-04/02/75	14	7.4	7.914	17.	4.7	8.177	2.859	5.35	6.5	8.2	13.25
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/14/74-03/13/75	4	0.3	0.275	0.3	0.2	0.002	0.05	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/14/74-03/13/75	3	70.	50.	80.	0.	1900.	43.589	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/14/74-03/13/75	5	1220.	1272.	2000.	800.	233270.	482.98	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/74-03/13/75	5	0.	6.	30.	0.	180.	13.416	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/14/74-03/13/75	5	1.1	2.24	6.9	0.5	7.008	2.647	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0057

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a 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	Other-Lo Lim.	4.	16	0	0.00	6	0	0.00	3	0	0.00	7	0	0.00			
00400	PH	Fresh Chronic	9.	15	0	0.00	6	0	0.00	2	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	6	0	0.00	2	0	0.00	7	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	14	0	0.00	4	0	0.00	2	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	14	2	0.14	4	0	0.00	2	1	0.50	8	1	0.13			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	14	0	0.00	4	0	0.00	2	0	0.00	8	0	0.00			
		Drinking Water	250.	14	0	0.00	4	0	0.00	2	0	0.00	8	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	14	0	0.00	4	0	0.00	2	0	0.00	8	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	5	0	0.00	1	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: GOGA0058

NPS Station ID: GOGA0058
LAT/LON: 37.558331/-122.501402
Agency: 21CAL-1
Date Created: 08/27/76
Location: MARTINI C N F NR MONTARA
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8758101 /2022106
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: SAN FRANCISCO BAY AREA
Elevation: 0
Water Body Id:
Minor Basin: COAST-SAN MATEO
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 7.30
On/Off RF1:
RF3 Index: 18050006007000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 220 ;
STATION NAME: MARTINI C N F NR MONTARA ; DWR COUNTY CODE: 41; LATITUDE: 373330; LONGITUDE: 1223005;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 06, SECTION 27GBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-4 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/74-04/02/75	17	13.	12.706	14.5	10.	1.471	1.213	10.8	12.	13.75	14.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/74-04/02/75	17	1.	0.941	2.	0.5	0.309	0.556	0.5	0.5	1.	2.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/74-04/02/75	14	4.	9.429	55.	2.	198.418	14.086	2.	2.75	11.75	37.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/74-04/02/75	16	212.	313.5	635.	175.	30332.267	174.162	178.5	193.	518.75	621.
00300	OXYGEN, DISSOLVED MG/L	03/14/74-04/02/75	16	10.3	10.288	11.4	9.8	0.169	0.411	9.8	9.925	10.4	10.98
00400	PH (STANDARD UNITS)	03/14/74-04/02/75	15	7.4	7.433	7.8	7.2	0.03	0.172	7.2	7.3	7.5	7.74
00400	CONVERTED PH (STANDARD UNITS)	03/14/74-04/02/75	15	7.4	7.403	7.8	7.2	0.03	0.175	7.2	7.3	7.5	7.74
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/74-04/02/75	15	0.04	0.04	0.063	0.016	0.	0.015	0.018	0.032	0.05	0.063
00403	PH, LAB, STANDARD UNITS SU	03/14/74-04/02/75	13	7.5	7.492	8.	6.7	0.131	0.362	6.86	7.25	7.8	7.96
00403	CONVERTED PH, LAB, STANDARD UNITS	03/14/74-04/02/75	13	7.5	7.335	8.	6.7	0.157	0.397	6.86	7.25	7.8	7.96
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/74-04/02/75	13	0.032	0.046	0.2	0.01	0.003	0.05	0.011	0.016	0.057	0.151
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	13	42.	40.308	44.	33.	14.231	3.772	33.8	37.5	44.	44.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/14/74-04/02/75	13	139.	141.923	194.	106.	409.244	20.23	115.6	131.5	149.5	179.2
00545	RESIDUE, SETTLEABLE (ML/L)	03/14/74-04/02/75	12	0.1	0.1	0.4	0.	0.013	0.113	0.	0.	0.1	0.34
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/14/74-12/03/74	4	0.15	0.135	0.24	0.	0.012	0.108	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/14/74-12/03/74	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/74-04/02/75	13	58.	64.077	104.	49.	231.077	15.201	50.2	54.5	73.	94.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/74-04/02/75	13	16.8	16.162	18.6	12.8	3.011	1.735	13.16	14.85	17.6	18.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/74-04/02/75	13	4.4	5.754	14.6	3.3	11.826	3.439	3.34	3.45	7.15	12.92
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/74-12/03/74	4	23.15	23.575	25.	23.	0.922	0.96	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/74-12/03/74	4	0.4	0.45	1.	0.	0.177	0.42	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/74-04/02/75	13	34.	34.	42.	28.	11.667	3.416	28.8	32.	35.5	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 time series plot

Parameter Inventory for Station: GOGA0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/74-04/02/75	13	8.1	7.692	10.	5.8	1.212	1.101	5.92	7.	8.2	9.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/14/74-12/03/74	3	0.3	0.267	0.3	0.2	0.003	0.058	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/14/74-12/03/74	3	50.	63.333	140.	0.	5033.333	70.946	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/14/74-12/03/74	4	1175.	1020.	1700.	30.	590600.	768.505	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/74-12/03/74	4	0.	10.	40.	0.	400.	20.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/14/74-12/03/74	4	0.65	0.625	1.1	0.1	0.209	0.457	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0058

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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.	14	1	0.07	4	0	0.00	3	0	0.00	7	1	0.14			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	6	0	0.00	3	0	0.00	7	0	0.00			
00400	PH	Fresh Chronic	9.	15	0	0.00	6	0	0.00	2	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	6	0	0.00	2	0	0.00	7	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	13	0	0.00	4	0	0.00	2	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	13	0	0.00	4	0	0.00	2	0	0.00	7	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	13	0	0.00	4	0	0.00	2	0	0.00	7	0	0.00			
		Drinking Water	250.	13	0	0.00	4	0	0.00	2	0	0.00	7	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	13	0	0.00	4	0	0.00	2	0	0.00	7	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	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: GOGA0059

NPS Station ID: GOGA0059 | LAT/LON: 37.566109/-122.511949 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: GREEN VALLEY CREEK AT HIGHWAY 1 | | FIPS State/County: 06081 CALIFORNIA/SAN MATEO |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E8759001 /2022107 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 18050006 | Depth of Water: 0 | Aquifer: |
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id: |
Minor Basin: COAST-SAN MATEO | | ECO Region: |
RF1 Index: 18050006015 | RF1 Mile Point: 13.240 | Distance from RF1: 8.30 | On/Off RF1: OFF
RF3 Index: 18050006007000.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.03 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 20 ;
STATION NAME: GREEN VALLEY CREEK AT HIGHWAY 1 ; DWR COUNTY CODE: 41; LATITUDE: 373358; LONGITUDE: 1223043;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 06, SECTION 21RBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-3 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/74-04/02/75	17	12.	12.235	14.5	9.	2.41	1.552	10.6	11.	14.	14.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/74-04/02/75	17	0.5	0.706	2.	0.5	0.252	0.502	0.5	0.5	0.5	2.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/13/74-04/02/75	13	7.	16.615	95.	4.	611.09	24.72	4.	5.5	14.5	69.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/74-04/02/75	17	380.	434.941	770.	280.	22670.934	150.569	284.	310.	562.5	674.
00300	OXYGEN, DISSOLVED MG/L	03/13/74-04/02/75	17	10.5	10.453	11.8	9.8	0.188	0.433	9.88	10.2	10.5	11.
00400	PH (STANDARD UNITS)	03/13/74-04/02/75	16	7.6	7.575	8.	7.1	0.049	0.221	7.24	7.425	7.7	7.93
00400	CONVERTED PH (STANDARD UNITS)	03/13/74-04/02/75	16	7.6	7.521	8.	7.1	0.052	0.227	7.24	7.425	7.7	7.93
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/74-04/02/75	16	0.025	0.03	0.079	0.01	0.	0.017	0.012	0.02	0.038	0.059
00403	PH, LAB, STANDARD UNITS SU	03/13/74-04/02/75	14	7.7	7.664	8.	6.8	0.089	0.298	7.15	7.575	7.825	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	03/13/74-04/02/75	14	7.7	7.526	8.	6.8	0.109	0.331	7.15	7.575	7.825	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/74-04/02/75	14	0.02	0.03	0.158	0.01	0.001	0.038	0.01	0.015	0.027	0.095
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/74-04/02/75	14	58.5	56.857	68.	43.	64.747	8.047	44.	48.25	62.5	67.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/13/74-04/02/75	14	227.	219.643	248.	174.	560.709	23.679	178.5	196.25	237.5	246.
00545	RESIDUE, SETTLEABLE (ML/L)	03/13/74-04/02/75	12	0.05	0.133	1.	0.	0.079	0.281	0.	0.	0.1	0.76
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/13/74-03/13/75	5	0.1	0.08	0.1	0.	0.002	0.045	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/74-03/13/75	5	0.06	0.09	0.25	0.	0.01	0.098	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/13/74-04/02/75	14	91.5	98.143	168.	66.	792.593	28.153	69.	79.75	106.	158.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/13/74-04/02/75	14	22.6	22.25	31.7	14.4	19.861	4.457	15.35	19.2	24.65	29.6
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/13/74-04/02/75	14	7.9	10.35	25.8	4.1	38.081	6.171	5.1	7.375	10.9	23.85
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/13/74-03/13/75	5	41.	41.68	44.6	39.	6.272	2.504	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/13/74-03/13/75	5	0.7	0.8	2.	0.	0.545	0.738	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/13/74-04/02/75	14	67.	63.857	75.	46.	87.516	9.355	47.	57.25	70.25	74.5

** - 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: GOGA0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/13/74-04/02/75	14	12.1	12.286	18.3	8.1	7.635	2.763	8.8	10.075	13.825	17.15
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/14/74-03/13/75	4	0.3	0.275	0.3	0.2	0.002	0.05	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/14/74-03/13/75	4	75.	97.5	240.	0.	10691.667	103.401	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/13/74-03/13/75	5	1780.	1716.	3560.	0.	1796680.	1340.403	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/13/74-03/13/75	5	80.	74.	120.	0.	2080.	45.607	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/13/74-04/03/74	2	700.	700.	1300.	100.	720000.	848.528	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/13/74-03/13/75	5	0.3	0.3	0.6	0.	0.065	0.255	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0059

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	13	1	0.08	4	0	0.00	2	0	0.00	7	1	0.14			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	17	0	0.00	6	0	0.00	3	0	0.00	8	0	0.00			
00400	PH	Fresh Chronic	9.	16	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	16	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	14	0	0.00	4	0	0.00	2	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	14	0	0.00	4	0	0.00	2	0	0.00	8	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	14	0	0.00	4	0	0.00	2	0	0.00	8	0	0.00			
		Drinking Water	250.	14	0	0.00	4	0	0.00	2	0	0.00	8	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	14	0	0.00	4	0	0.00	2	0	0.00	8	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	5	0	0.00	1	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: GOGA0060

NPS Station ID: GOGA0060
LAT/LON: 37.575003/-122.475698
Agency: 21CAL-3
Date Created: 07/16/83
Location: 41-025 SAN PEDRO CREEK
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): E41/025-RAW
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 13.00
On/Off RF1:
RF3 Index: 18050006010700.00
RF3 Mile Point: 0.34
Distance from RF3: 0.13
On/Off RF3:

Description:
DIST 05 NORTH COAST COUNTY WATER COMPANY

Parameter Inventory for Station: GOGA0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/03/81-05/05/83	2	232.	232.	241.	223.	162.	12.728	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/03/81-05/05/83	2	7.7	7.7	7.9	7.5	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/03/81-05/05/83	2	7.655	7.655	7.9	7.5	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/03/81-05/05/83	2	0.022	0.022	0.032	0.013	0.	0.013	**	**	**	**
00420	ALKALINITY, HYDROXIDE (MG/L AS CACO3)	02/03/81-02/03/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	02/03/81-05/05/83	2	60.	60.	64.	56.	32.	5.657	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	02/03/81-05/05/83	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/03/81-05/05/83	2	69.	69.	72.	66.	18.	4.243	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	02/03/81-05/05/83	2	20.	20.	21.	19.	2.	1.414	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/03/81-05/05/83	2	4.75	4.75	4.9	4.6	0.045	0.212	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	02/03/81-05/05/83	2	15.	15.	15.	15.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	02/03/81-05/05/83	2	0.295	0.295	0.32	0.27	0.001	0.035	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/03/81-05/05/83	2	19.5	19.5	21.	18.	4.5	2.121	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/03/81-05/05/83	2	13.	13.	13.	13.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	02/03/81-05/05/83	2	0.315	0.315	0.32	0.31	0.	0.007	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	02/03/81-02/03/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	02/03/81-05/05/83	2	1.35	1.35	1.5	1.2	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: GOGA0060

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	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	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: GOGA0061

NPS Station ID: GOGA0061
LAT/LON: 37.578606/-122.491675
Agency: 21CAL-1
Date Created: 12/22/79
Location: SAN PEDRO CR TRIB AB SANCHEZ SCHOOL
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8732910 /2022116
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 12.50
On/Off RF1:
RF3 Index: 18050006007300.64
RF3 Mile Point: 1.78
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0061

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: GOGA0062

NPS Station ID: GOGA0062
LAT/LON: 37.578606/-122.491675
Agency: 21CAL-1
Date Created: 04/26/86
Location: SAN PEDRO C TRIB AB SANCHEZ SCH
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8762910
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY BASIN
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050006006900.00
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
SAN PEDRO C TRIB AB SANCHEZ SCH

Parameter Inventory for Station: GOGA0062

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: GOGA0063

NPS Station ID: GOGA0063 LAT/LON: 37.579524/-122.413616 Agency: 11NPSWRD Date Created: 06/12/99
Location: SAN ANDREAS RESERVOIR AT PILARCITOS OUTFALL FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_SFWD_SAR6
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT SAN ANDREAS RESERVOIR AT THE PILARCITOS OUTFALL AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	02/27/98-04/30/98	35	7.	10.869	44.	3.1	108.796	10.431	3.54	4.8	8.5	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0063

				Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	35	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

Station Inventory for Station: GOGA0064

NPS Station ID: GOGA0064 LAT/LON: 37.579610/-122.411033 Agency: 11NPSWRD Date Created: 06/12/99
Location: SAN ANDREAS RES. AT LOWER CRYSTAL SPGS OUTFALL FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_SFWD_SAR7
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT SAN ANDREAS RESERVOIR AT THE LOWER CRYSTAL SPRINGS OUTFALL AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFOR- MATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	02/27/98-04/30/98	28	7.	6.339	8.5	3.5	3.262	1.806	3.6	4.5	8.	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0064

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	28	0	0.00							28	0	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: GOGA0065

NPS Station ID: GOGA0065
LAT/LON: 37.579719/-122.474170
Agency: 21CAL-3
Date Created: 08/22/87
Location: 41 025 SAN PEDRO WATER TREATMENT PLANT
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): E41/025-SNPEDRO
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 14.80
On/Off RF1:
RF3 Index: 18050006010700.00
RF3 Mile Point: 0.57
Distance from RF3: 0.09
On/Off RF3:
Description:
DIST 05 NORTH COAST COUNTY WATER DISTRICT

Parameter Inventory for Station: GOGA0065

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: GOGA0066

NPS Station ID: GOGA0066 LAT/LON: 37.580831/-122.409981 Agency: 11NPSWRD Date Created: 06/12/99
Location: LAKE SAN ANDREAS (SAN ANDREAS RESERVOIR) FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_COE_SANAN
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE SITE IS LOCATED AT SAN ANDREAS RESERVOIR (EXACT SAMPLING COORDS. UNKNOWN) AND IS INSIDE OF GOLDEN GATE NATIONAL REC- REATION AREA (GOGA). DATA ARE FROM A REPORT BY MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. LITTLE IS KNOWN ABOUT WHAT THIS SITE WAS LIKE IN 1906; THEREFORE; WE ARE ASSUMING THAT ALL RESERVOIRS IN THIS REPORT WERE UNTREATED AND UNCOVERED. SOME OF THE RESERVOIRS THAT EXIST TODAY ARE NOW TREATED AND COVERED. OTHER ASSUMPTIONS HAVE BEEN MADE REGARDING SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT GOLDEN GATE NRA; FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	05/31/06-05/31/06	1	159.	159.	159.	159.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/31/06-05/31/06	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/31/06-05/31/06	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	05/31/06-05/31/06	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/06-05/31/06	1	23.	23.	23.	23.	0.	0.	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	05/31/06-05/31/06	1	3.301	3.301	3.301	3.301	0.	0.	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			2000.								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	05/31/06-05/31/06	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: GOGA0066

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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: GOGA0067

NPS Station ID: GOGA0067 | LAT/LON: 37.582499/-122.476959 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: SAN PEDRO CREEK AT LINDA MAR BLVD | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8763001 /2022109
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050006006500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.03 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 110 ;
STATION NAME: SAN PEDRO CREEK AT LINDA MAR BLVD; DWR COUNTY CODE: 41; LATITUDE: 373457; LONGITUDE: 1222837;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 06, SECTION 14JBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-1 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/74-04/01/75	20	12.	12.475	16.	8.	3.618	1.902	11.	11.	13.75	15.9
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/27/53-06/09/53	2	55.	55.	58.	52.	18.	4.243	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/27/53-04/01/75	19	2.	5.053	15.	1.	19.942	4.466	2.	2.	8.	13.
00065	STAGE, STREAM (FEET)	12/02/74-12/02/74	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/13/74-04/01/75	16	12.5	20.5	90.	3.	545.467	23.355	3.	3.25	32.5	58.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/27/53-04/01/75	21	410.	454.952	900.	200.	32351.648	179.866	286.	325.	550.	830.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/27/53-06/09/53	2	287.5	287.5	290.	285.	12.5	3.536	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/13/74-04/01/75	16	9.95	9.8	11.5	8.8	0.627	0.792	8.8	9.025	10.3	10.87
00400	PH (STANDARD UNITS)	01/27/53-02/19/75	18	7.4	7.383	7.9	7.	0.041	0.204	7.09	7.275	7.5	7.63
00400	CONVERTED PH (STANDARD UNITS)	01/27/53-02/19/75	18	7.4	7.341	7.9	7.	0.043	0.208	7.09	7.275	7.5	7.63
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/53-02/19/75	18	0.04	0.046	0.1	0.013	0.	0.021	0.024	0.032	0.053	0.081
00403	PH, LAB, STANDARD UNITS SU	01/27/53-04/01/75	13	7.7	7.685	8.1	7.1	0.055	0.234	7.26	7.6	7.8	8.02
00403	CONVERTED PH, LAB, STANDARD UNITS	01/27/53-04/01/75	13	7.7	7.617	8.1	7.1	0.06	0.244	7.26	7.6	7.8	8.02
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/53-04/01/75	13	0.02	0.024	0.079	0.008	0.	0.018	0.01	0.016	0.025	0.06
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/74-04/01/75	13	123.	122.	153.	84.	401.333	20.033	88.4	106.5	137.	149.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/13/74-04/01/75	13	242.	240.	356.	188.	1862.333	43.155	188.8	211.5	255.5	322.
00545	RESIDUE, SETTLEABLE (ML/L)	03/13/74-04/01/75	16	0.05	0.238	2.	0.	0.257	0.507	0.	0.	0.2	1.09
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/13/74-12/02/74	4	1.	0.978	1.81	0.1	0.915	0.956	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/74-12/02/74	4	0.01	0.008	0.01	0.	0.	0.005	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/53-04/01/75	15	168.	164.867	240.	104.	1266.981	35.595	107.6	144.	184.	222.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/27/53-04/01/75	15	35.6	34.14	45.3	22.	53.357	7.305	23.8	27.3	40.5	44.58
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/27/53-04/01/75	15	18.3	18.847	31.6	11.	28.327	5.322	11.6	15.6	20.	28.66

** - 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 time series plot

Parameter Inventory for Station: GOGA0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/27/53-12/02/74	6	21.5	21.45	25.	17.	7.175	2.679	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/27/53-12/02/74	6	1.	0.95	1.5	0.4	0.187	0.432	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/27/53-04/01/75	15	28.	27.667	37.	21.	18.238	4.271	21.6	25.	29.	35.8
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/27/53-04/01/75	15	19.5	19.073	27.	13.	18.348	4.283	13.42	14.	20.8	26.1
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/27/53-12/02/74	6	0.2	0.217	0.5	0.	0.03	0.172	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/27/53-06/09/53	2	16.5	16.5	17.	16.	0.5	0.707	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/27/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/27/53-12/02/74	5	60.	106.	270.	0.	11880.	108.995	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/27/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/13/74-12/02/74	4	19.	127.	470.	0.	52449.333	229.018	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/27/53-06/09/53	2	130.	130.	260.	0.	33800.	183.848	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/27/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/13/74-12/02/74	4	0.	17.5	70.	0.	1225.	35.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/27/53-06/09/53	2	20.	20.	40.	0.	800.	28.284	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/27/53-06/09/53	2	5.	5.	10.	0.	50.	7.071	**	**	**	**
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/27/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/27/53-06/09/53	2	97.	97.	101.	93.	32.	5.657	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/27/53-12/02/74	6	2.8	3.783	8.	0.5	12.006	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0067

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------5/15-10/09---------- Obs	Exceed	Prop.	----------10/10-1/14---------- Obs	Exceed	Prop.	----------1/15-5/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	16	1	0.06	3	0	0.00	3	0	0.00	10	1	0.10			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	6	0	0.00	3	0	0.00	7	0	0.00			
00400	PH	Fresh Chronic	9.	18	0	0.00	7	0	0.00	2	0	0.00	9	0	0.00			
		Other-Lo Lim.	6.5	18	0	0.00	7	0	0.00	2	0	0.00	9	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	13	0	0.00	4	0	0.00	2	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	13	0	0.00	4	0	0.00	2	0	0.00	7	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	15	0	0.00	5	0	0.00	2	0	0.00	8	0	0.00			
		Drinking Water	250.	15	0	0.00	5	0	0.00	2	0	0.00	8	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	15	0	0.00	5	0	0.00	2	0	0.00	8	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	6	0	0.00	2	0	0.00	1	0	0.00	3	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			
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			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5000.	2	0	0.00	1	0	0.00				1	0	0.00			
01220	CHROMIUM, HEXAVALENT, DISSOLVED	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			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	6	0	0.00	2	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: GOGA0068

NPS Station ID: GOGA0068 | LAT/LON: 37.585829/-122.418255 | Agency: 11NPSWRD | Date Created: 06/12/99
Location: SAN ANDREAS RESERVOIR AT BOAT RAMP | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT | STORET Station ID(s): GOGA_SFWD_SAR5
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050004 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT SAN ANDREAS RESERVOIR AT THE BOAT RAMP AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	02/27/98-04/30/98	40	5.5	5.465	8.3	3.3	2.505	1.583	3.6	3.9	7.025	7.76

** - 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

EPA Water Quality Criteria Analysis for Station: GOGA0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	40	0	0.00							40	0	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: GOGA0069

NPS Station ID: GOGA0069 LAT/LON: 37.591191/-122.423458 Agency: 11NPSWRD Date Created: 06/12/99
Location: SAN ANDREAS RESERVOIR (MID-RESERVOIR) FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT STORET Station ID(s): GOGA_SFWD_SAR4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT SAN ANDREAS RESERVOIR (MID-RESERVOIR) AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	02/27/98-04/30/98	39	4.8	5.056	7.5	2.9	2.477	1.574	3.1	3.5	6.4	7.4

** - 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: GOGA0069

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	39	0	0.00							39	0	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: GOGA0070

NPS Station ID: GOGA0070
LAT/LON: 37.591666/-122.501950
Agency: 112WRD
Date Created: 02/15/78
Location: SAN PEDRO CREEK AT PACIFICA CALIF
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11162655
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.70
On/Off RF1:
RF3 Index: 18050006001000.00
RF3 Mile Point: 9.93
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/77-08/29/77	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/29/77-08/29/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/29/77-08/29/77	1	580.	580.	580.	580.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/29/77-08/29/77	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/29/77-08/29/77	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/29/77-08/29/77	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/29/77-08/29/77	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/29/77-08/29/77	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/29/77-08/29/77	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/29/77-08/29/77	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/29/77-08/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/29/77-08/29/77	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/29/77-08/29/77	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/29/77-08/29/77	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/29/77-08/29/77	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/29/77-08/29/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/29/77-08/29/77	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/29/77-08/29/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/29/77-08/29/77	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/29/77-08/29/77	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/29/77-08/29/77	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/29/77-08/29/77	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/29/77-08/29/77	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/29/77-08/29/77	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/29/77-08/29/77	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/29/77-08/29/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/29/77-08/29/77	1	290.	290.	290.	290.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/29/77-08/29/77	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/29/77-08/29/77	1	0.39	0.39	0.39	0.39	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: GOGA0070

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	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	FLUORIDE, 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: GOGA0071

NPS Station ID: GOGA0071
LAT/LON: 37.593613/-122.491403
Agency: 21CAL-1
Date Created: 04/26/86
Location: PEDRO VALLEY TRIB TO SAN PEDRO C
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8770910
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY BASIN
ECO Region:
RF1 Index: 18050006015
RF1 Mile Point: 17.870
Distance from RF1: 14.90
On/Off RF1: OFF
RF3 Index: 18050006006501.41
RF3 Mile Point: 1.82
Distance from RF3: 0.00
On/Off RF3:
Description:
PEDRO VALLEY TRIB TO SAN PEDRO C

Parameter Inventory for Station: GOGA0071

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: GOGA0072

NPS Station ID: GOGA0072 | LAT/LON: 37.595279/-122.503897 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: SAN PEDRO C A HWY 1 %BR NO 35-53< | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8760101 /2022108
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006015 | RF1 Mile Point: 17.730 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050006001510.36 | RF3 Mile Point: 12.55 | Distance from RF3: 0.07 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 15 ;
STATION NAME: SAN PEDRO C A HWY 1 %BR NO 35-53<; DWR COUNTY CODE: 41; LATITUDE: 373543; LONGITUDE: 1223014;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 06, SECTION 10PBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6002-2 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/74-04/01/75	19	12.	12.974	18.	8.	6.235	2.497	11.	11.	15.	17.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/27/53-01/27/53	1	51.	51.	51.	51.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/74-04/01/75	14	3.5	4.5	14.	1.	10.731	3.276	1.5	2.75	6.25	10.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/13/74-04/01/75	17	5.	17.588	100.	2.	790.257	28.112	2.	2.	19.5	80.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/74-04/01/75	18	409.5	458.833	940.	235.	26771.559	163.62	284.5	350.	580.	670.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/27/53-01/27/53	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/13/74-04/01/75	16	11.	11.363	13.3	9.3	1.601	1.265	9.72	10.375	12.725	13.02
00400	PH (STANDARD UNITS)	03/13/74-03/05/75	16	8.05	7.931	8.6	7.2	0.176	0.419	7.27	7.525	8.2	8.46
00400	CONVERTED PH (STANDARD UNITS)	03/13/74-03/05/75	16	8.047	7.729	8.6	7.2	0.219	0.468	7.27	7.525	8.2	8.46
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/74-03/05/75	16	0.009	0.019	0.063	0.003	0.	0.02	0.004	0.006	0.033	0.054
00403	PH, LAB, STANDARD UNITS SU	01/27/53-04/01/75	14	7.95	7.886	8.7	6.6	0.343	0.586	6.95	7.3	8.325	8.65
00403	CONVERTED PH, LAB, STANDARD UNITS	01/27/53-04/01/75	14	7.947	7.465	8.7	6.6	0.534	0.731	6.95	7.3	8.325	8.65
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/53-04/01/75	14	0.011	0.034	0.251	0.002	0.004	0.065	0.002	0.005	0.05	0.151
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/27/53-04/01/75	15	134.	115.133	164.	56.	1191.981	34.525	58.4	87.	137.	161.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/13/74-04/01/75	13	244.	239.154	310.	157.	1355.141	36.812	173.	220.5	255.5	295.2
00545	RESIDUE, SETTLEABLE (ML/L)	03/13/74-04/01/75	14	0.	0.15	1.	0.	0.095	0.308	0.	0.	0.125	0.85
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	03/13/74-03/13/75	4	0.4	0.625	1.6	0.1	0.469	0.685	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/74-12/02/74	3	0.15	0.143	0.28	0.	0.02	0.14	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/53-04/01/75	15	163.	156.267	232.	91.	1633.067	40.411	91.6	120.	184.	209.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/27/53-04/01/75	15	35.6	34.733	46.5	20.7	70.04	8.369	21.24	27.7	40.9	45.78
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/27/53-04/01/75	15	18.	17.56	28.2	8.9	20.95	4.577	10.16	16.2	19.8	23.82
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/27/53-03/13/75	6	21.85	20.717	23.4	15.6	9.418	3.069	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/27/53-03/13/75	6	1.	1.133	2.3	0.	0.567	0.753	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/27/53-04/01/75	15	29.	30.267	57.	19.	70.781	8.413	22.	27.	31.	44.4
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/27/53-04/01/75	15	19.4	20.453	29.7	10.7	27.86	5.278	12.92	17.	23.8	29.16
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/27/53-03/13/75	6	0.2	0.183	0.3	0.1	0.006	0.075	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/27/53-01/27/53	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/27/53-01/27/53	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/27/53-12/02/74	4	110.	110.	210.	10.	6733.333	82.057	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/27/53-01/27/53	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/13/74-03/13/75	5	160.	3320.	16000.	0.	50270650.	7090.18	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/27/53-01/27/53	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/27/53-01/27/53	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/13/74-03/13/75	4	0.	0.	0.	0.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/27/53-01/27/53	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/27/53-01/27/53	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	01/27/53-01/27/53	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/27/53-01/27/53	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	02/13/75-02/13/75	2	100.	100.	100.	100.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/27/53-03/13/75	6	1.75	2.417	6.9	0.	6.87	2.621	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------5/15-10/09---------- Obs	Exceed	Prop.	----------10/10-1/14---------- Obs	Exceed	Prop.	----------1/15-5/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	17	2	0.12	5	0	0.00	3	0	0.00	9	2	0.22			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	6	0	0.00	3	0	0.00	7	0	0.00			
00400	PH	Fresh Chronic	9.	16	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	16	0	0.00	6	0	0.00	2	0	0.00	8	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	14	0	0.00	4	0	0.00	1	0	0.00	9	0	0.00			
		Other-Lo Lim.	6.5	14	0	0.00	4	0	0.00	1	0	0.00	9	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	15	0	0.00	4	0	0.00	2	0	0.00	9	0	0.00			
		Drinking Water	250.	15	0	0.00	4	0	0.00	2	0	0.00	9	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	15	0	0.00	4	0	0.00	2	0	0.00	9	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	6	0	0.00	1	0	0.00	1	0	0.00	4	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			
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			
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			
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			
01220	CHROMIUM, HEXAVALENT, DISSOLVED	Fresh Acute	16.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	6	0	0.00	1	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: GOGA0073

NPS Station ID: GOGA0073
LAT/LON: 37.596054/-122.424338
Agency: 11NPSWRD
Date Created: 07/11/98
Location: CENTER OF SAN ANDREAS LAKE
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_USGS_SAL
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CALIFORNIA-SAN MATEO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON SAN ANDREAS LAKE APPROXIMATELY 4 MILES EAST OF ROCKAWAY BEACH AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. THE EXACT SAMPLING LOCATION WAS NOT SPECIFIED IN THE REPORT; SO THE APPROXIMATE CENTER OF THE LAKE WAS DIGITIZED TO DETERMINE THE LATITUDE AND LONGITUDE FOR THE SITE. SAMPLES FOR THIS SITE WERE COLLECTED ON 5 JUNE 1972. THE THE RESULTS ARE IN "LIMNOLOGICAL DATA FROM SELECTED LAKES IN THE SAN FRANCISCO BAY REGION; CALIFORNIA" BY LINDA BRITTON; RODGER F. FERREIRA; AND ROBERT C. AVERETT (UNITED STATES GEOLOGICAL SURVEY-WATER RESOURCES DIVISION "OPEN-FILE REPORT;" 25 JUNE 1974). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/05/72-06/05/72	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/05/72-06/05/72	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/05/72-06/05/72	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/72-06/05/72	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/05/72-06/05/72	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/05/72-06/05/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/05/72-06/05/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/05/72-06/05/72	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/05/72-06/05/72	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/05/72-06/05/72	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/05/72-06/05/72	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/05/72-06/05/72	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/05/72-06/05/72	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/05/72-06/05/72	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/05/72-06/05/72	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/05/72-06/05/72	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/05/72-06/05/72	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/05/72-06/05/72	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: GOGA0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/05/72-06/05/72	1	59.	59.	59.	59.	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: GOGA0073

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	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									
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									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, 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: GOGA0074

NPS Station ID: GOGA0074
LAT/LON: 37.597028/-122.422756
Agency: 21CAL-3
Date Created: 11/21/87
Location: 38-001 SAN ANDREA RESERVOIR-RAW
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D38/001-ANDRE-R
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 2.40
On/Off RF1:
RF3 Index: 18050004092800.00
RF3 Mile Point: 0.02
Distance from RF3: 0.06
On/Off RF3:
Description:
DIST 04 SAN FRANCISCO WATER DEPT

Parameter Inventory for Station: GOGA0074

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: GOGA0075

NPS Station ID: GOGA0075 | LAT/LON: 37.598140/-122.427063 | Agency: 11NPSWRD | Date Created: 06/12/99
Location: SAN ANDREAS RESERVOIR | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT | STORET Station ID(s): GOGA_SFWD_SAR2
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050004 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT SAN ANDREAS RESERVOIR AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREA- TION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BUILDING 201; SAN FRANCIS- CO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/06/98-04/06/98	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/06/98-04/06/98	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/06/98-04/06/98	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/06/98-04/06/98	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/06/98-04/06/98	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/06/98-04/06/98	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/06/98-04/06/98	1	11.	11.	11.	11.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	02/27/98-04/30/98	45	5.4	5.098	10.	2.8	3.119	1.766	2.8	3.4	6.7	6.92

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0075

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a 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			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	45	0	0.00							45	0	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: GOGA0076

NPS Station ID: GOGA0076
Location: POINT SAN PEDRO
Station Type: /TYPA/AMBNT/ESTURY
RMI-Indexes:
RMI-Miles:
HUC: 18050006
Major Basin: CALIFORNIA
Minor Basin: CENTRAL COASTAL
RF1 Index: 18050006015
RF3 Index: 18050006001402.92
Description:

LAT/LON: 37.599995/-122.500014

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 7.65

Agency: 11NATDC
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
STORET Station ID(s): T0709304 /2041
Within Park Boundary: Yes

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.40
Distance from RF3: 0.06

Date Created: 01/11/86

On/Off RF1: ON
On/Off RF3:

Parameter Inventory for Station: GOGA0076

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0077

NPS Station ID: GOGA0077
LAT/LON: 37.601861/-122.430478
Agency: 11NPSWRD
Date Created: 06/12/99
Location: SAN ANDREAS RESERVOIR
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_SFWD_SAR3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MONTARA MOUNTAIN CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT SAN ANDREAS RESERVOIR AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREA- TION AREA. DATA WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO; PUBLIC UTILITIES COMMISSION; WATER QUALITY BUREAU (SAN FRANCISCO WATER DISTRICT) AS PART OF THEIR REGULAR MONITORING PROGRAM OF DRINKING WATER RESERVOIRS. FOR INFORMATION ON GOLDEN GATE NATIONAL RECREATION AREA CONTACT THE CHIEF OF RESOURCES AT FORT MASON; BUILDING 201; SAN FRANCIS- CO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/96-11/04/98	486	17.	16.617	23.2	10.2	11.628	3.41	11.4	13.9	19.7	20.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/06/96-11/04/98	459	181.	180.392	306.	155.	315.165	17.753	165.	171.	184.	192.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/06/96-11/04/98	486	8.8	8.554	11.2	2.6	2.249	1.5	6.8	8.1	9.4	10.2
00406	PH, FIELD, STANDARD UNITS SU	03/06/96-11/04/98	486	7.98	7.934	8.48	7.	0.079	0.281	7.577	7.797	8.12	8.253
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/06/96-11/04/98	486	7.98	7.821	8.48	7.	0.092	0.303	7.577	7.797	8.12	8.253
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/96-11/04/98	486	0.01	0.015	0.1	0.003	0.	0.015	0.006	0.008	0.016	0.026
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/96-11/04/98	189	58.	57.048	66.	44.	16.248	4.031	50.	55.	60.	61.
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/06/96-11/04/98	185 ##	0.045	0.073	0.29	0.025	0.004	0.059	0.025	0.045	0.085	0.18
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/06/96-11/04/98	185 ##	0.01	0.009	0.02	0.	0.	0.003	0.	0.01	0.01	0.01
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/18/97-11/04/98	64	0.01	0.012	0.06	0.	0.	0.015	0.	0.005	0.01	0.035
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/06/96-11/04/98	149	2.8	2.872	5.1	2.2	0.154	0.392	2.6	2.7	3.	3.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/06/96-11/04/98	189	65.	63.847	76.	36.	31.173	5.583	56.	62.	68.	69.
00940	CHLORIDE,TOTAL IN WATER MG/L	03/06/96-11/04/98	185	12.	12.497	14.	11.	1.197	1.094	11.	12.	13.	14.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/06/96-04/06/98	131	11.	11.267	13.	10.	1.136	1.066	10.	10.	12.	13.
00951	FLUORIDE, TOTAL (MG/L AS F)	03/06/96-02/24/98	121 ##	0.05	0.054	0.08	0.05	0.	0.008	0.05	0.05	0.05	0.07
01055	MANGANESE, TOTAL (UG/L AS MN)	08/18/97-11/04/98	33	30.	35.939	90.	10.	443.871	21.068	17.6	20.	45.	70.
46480	OXIDATION REDUCTION POTENTIAL, FIELD MV	03/06/96-11/04/98	486	348.	357.669	484.	249.	2169.863	46.582	302.	327.5	383.	425.6
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/23/97-11/04/98	278	117.	116.036	195.	94.	220.865	14.862	100.	108.	120.	125.
71870	BROMIDE (MG/L AS BR)	03/06/96-02/24/98	121	0.03	0.033	0.04	0.01	0.	0.007	0.02	0.03	0.04	0.04
74010	IRON, TOTAL (MG/L AS FE)	08/18/97-11/04/98	33	0.06	0.056	0.33	0.	0.004	0.063	0.	0.005	0.08	0.106
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/06/96-11/04/98	239	1.5	2.546	8.3	0.4	5.435	2.331	0.5	0.7	3.5	6.9

** - 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

EPA Water Quality Criteria Analysis for Station: GOGA0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	486	14	0.03	230	14	0.06	81	0	0.00	175	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	486	0	0.00	230	0	0.00	81	0	0.00	175	0	0.00			
		Other-Lo Lim.	6.5	486	0	0.00	230	0	0.00	81	0	0.00	175	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	185	0	0.00	90	0	0.00	32	0	0.00	63	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	185	0	0.00	90	0	0.00	32	0	0.00	63	0	0.00			
		Drinking Water	250.	185	0	0.00	90	0	0.00	32	0	0.00	63	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	131	0	0.00	50	0	0.00	17	0	0.00	64	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	121	0	0.00	50	0	0.00	17	0	0.00	54	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	239	0	0.00	94	0	0.00	32	0	0.00	113	0	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: GOGA0078

NPS Station ID: GOGA0078
LAT/LON: 37.609442/-122.493901
Agency: 21CAL-1
Date Created: 04/26/86
Location: ROCKAWAY BEACH UN-KN C A EBKEN ST
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8772110
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY BASIN
ECO Region:
RF1 Index: 18050006015
RF1 Mile Point: 19.160
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050006006500.53
RF3 Mile Point: 0.88
Distance from RF3: 0.45
On/Off RF3:
Description:
ROCKAWAY BEACH UN-KN C A EBKEN ST

Parameter Inventory for Station: GOGA0078

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: GOGA0079

NPS Station ID: GOGA0079 | LAT/LON: 37.610557/-122.495287 | Agency: 21CAL-1 | Date Created: 10/18/80
Location: CALERA C A MOUTH A ROCKAWAY BEACH | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8772321
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050006015 | RF1 Mile Point: 19.160 | Distance from RF1: 24.90 | On/Off RF1: OFF
RF3 Index: 18050004177400.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.03 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 10 ;
STATION NAME: CALERA C A MOUTH A ROCKAWAY BEACH; DWR COUNTY CODE: 41; LATITUDE: 373638; LONGITUDE: 1222943;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 06, SECTION 02MBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/27/53-06/09/53	2	58.5	58.5	64.	53.	60.5	7.778	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/27/53-06/09/53	2	2.55	2.55	5.	0.1	12.005	3.465	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/27/53-06/09/53	2	468.5	468.5	543.	394.	11100.5	105.359	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/27/53-06/09/53	2	468.5	468.5	543.	394.	11100.5	105.359	**	**	**	**
00400	PH (STANDARD UNITS)	01/27/53-06/09/53	2	7.95	7.95	8.	7.9	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/27/53-06/09/53	2	7.947	7.947	8.	7.9	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/53-06/09/53	2	0.011	0.011	0.013	0.01	0.	0.002	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/27/53-06/09/53	2	7.95	7.95	8.	7.9	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/27/53-06/09/53	2	7.947	7.947	8.	7.9	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/53-06/09/53	2	0.011	0.011	0.013	0.01	0.	0.002	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/53-06/09/53	2	164.5	164.5	198.	131.	2244.5	47.376	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/27/53-06/09/53	2	25.5	25.5	26.	25.	0.5	0.707	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/27/53-06/09/53	2	24.5	24.5	33.	16.	144.5	12.021	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/27/53-06/09/53	2	36.5	36.5	39.	34.	12.5	3.536	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/27/53-06/09/53	2	0.75	0.75	1.3	0.2	0.605	0.778	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/27/53-06/09/53	2	51.5	51.5	58.	45.	84.5	9.192	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/27/53-06/09/53	2	21.	21.	24.	18.	18.	4.243	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/27/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/27/53-06/09/53	2	21.	21.	24.	18.	18.	4.243	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/27/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/27/53-06/09/53	2	55.	55.	90.	20.	2450.	49.497	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/27/53-06/09/53	2	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: GOGA0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	06/09/53-06/09/53	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/27/53-01/27/53	1	370.	370.	370.	370.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/27/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/27/53-06/09/53	2	5.	5.	10.	0.	50.	7.071	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/27/53-06/09/53	2	210.	210.	420.	0.	88200.	296.985	**	**	**	**
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/27/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/27/53-06/09/53	2	146.5	146.5	178.	115.	1984.5	44.548	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/27/53-06/09/53	2	4.	4.	4.2	3.8	0.08	0.283	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0079

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	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			
00403	PH, LAB	Fresh Chronic	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			
00941	CHLORIDE, DISSOLVED 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			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	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			
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			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	1	0.50	1	0	0.00				1	1	1.00			
		Drinking Water	5000.	2	0	0.00	1	0	0.00				1	0	0.00			
01220	CHROMIUM, HEXAVALENT, DISSOLVED	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			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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: GOGA0080

NPS Station ID: GOGA0080 | LAT/LON: 37.610830/-122.493903 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: CALERA CREEK AT ROCKAWAY BEACH | | FIPS State/County: 06081 CALIFORNIA/SAN MATEO |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): E8772500 /2022110 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 18050006 | Depth of Water: 0 | Aquifer: |
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id: |
Minor Basin: COAST-SAN MATEO | | ECO Region: |
RF1 Index: 18050006015 | RF1 Mile Point: 19.160 | Distance from RF1: 18.90 | On/Off RF1: OFF
RF3 Index: 18050006006600.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.02 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 18 ;
STATION NAME: CALERA CREEK AT ROCKAWAY BEACH ; DWR COUNTY CODE: 41; LATITUDE: 373639; LONGITUDE: 1222938;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 06, SECTION 02MBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6001-2 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/73-05/05/75	23	12.	12.413	16.	9.	4.197	2.049	9.4	11.	14.	15.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/27/73-05/05/75	20	0.5	1.675	17.	0.5	13.665	3.697	0.5	0.5	0.875	3.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/17/73-05/05/75	20	3.	17.35	220.	1.	2352.45	48.502	1.1	2.25	9.75	35.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/17/73-05/05/75	23	630.	594.261	870.	220.	27973.111	167.252	322.4	510.	700.	813.4
00300	OXYGEN, DISSOLVED MG/L	07/17/73-05/05/75	23	9.5	9.443	11.1	7.7	1.091	1.044	7.96	8.4	10.3	10.82
00400	PH (STANDARD UNITS)	07/17/73-05/05/75	19	7.7	7.647	8.1	6.8	0.11	0.332	7.2	7.4	7.9	8.
00400	CONVERTED PH (STANDARD UNITS)	07/17/73-05/05/75	19	7.7	7.501	8.1	6.8	0.133	0.365	7.2	7.4	7.9	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/73-05/05/75	19	0.02	0.032	0.158	0.008	0.001	0.035	0.01	0.013	0.04	0.063
00403	PH, LAB, STANDARD UNITS SU	05/22/73-05/05/75	18	8.1	7.972	8.6	7.2	0.203	0.451	7.2	7.675	8.225	8.51
00403	CONVERTED PH, LAB, STANDARD UNITS	05/22/73-05/05/75	18	8.1	7.733	8.6	7.2	0.264	0.514	7.2	7.675	8.225	8.51
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/22/73-05/05/75	18	0.008	0.019	0.063	0.003	0.	0.022	0.003	0.006	0.024	0.063
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/22/73-05/05/75	18	173.5	160.889	235.	68.	3756.222	61.288	72.5	98.75	221.	230.5
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/73-05/05/75	18	358.	335.778	439.	179.	6546.065	80.908	200.6	251.75	404.	417.4
00545	RESIDUE, SETTLEABLE (ML/L)	10/12/73-04/01/75	17	0.	0.088	0.9	0.	0.047	0.218	0.	0.	0.1	0.34
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/22/73-05/13/74	5	0.8	1.3	3.8	0.3	2.02	1.421	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/22/73-05/13/74	5	0.06	0.07	0.11	0.05	0.001	0.023	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/73-05/05/75	18	240.	228.111	350.	98.	5689.987	75.432	134.9	154.5	287.	343.7
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/22/73-05/05/75	18	54.05	50.767	72.9	20.4	246.239	15.692	28.68	37.6	61.9	72.09
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/22/73-05/05/75	18	25.6	24.656	41.4	10.7	83.704	9.149	11.33	17.075	31.15	39.33
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/22/73-05/13/74	5	45.	43.3	47.	39.	12.7	3.564	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/22/73-05/13/74	5	1.6	1.54	2.	1.	0.128	0.358	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/22/73-05/05/75	18	59.5	56.5	72.	23.	140.029	11.833	40.1	48.5	63.75	70.2

** - 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: GOGA0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/22/73-05/05/75	18	19.4	20.75	41.3	10.8	49.014	7.001	13.77	17.05	22.175	34.55
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/22/73-05/13/74	4	0.1	0.15	0.3	0.1	0.01	0.1	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/21/74-05/13/74	2	90.	90.	180.	0.	16200.	127.279	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/22/73-05/13/74	5	330.	768.	2550.	200.	1003820.	1001.908	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/22/73-02/21/74	4	50.	112.5	350.	0.	25625.	160.078	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/73-05/13/74	5	3.4	5.72	16.8	1.3	39.637	6.296	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	20	1	0.05	6	0	0.00	4	0	0.00	10	1	0.10			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	23	0	0.00	8	0	0.00	5	0	0.00	10	0	0.00			
00400	PH	Fresh Chronic	9.	19	0	0.00	8	0	0.00	4	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	19	0	0.00	8	0	0.00	4	0	0.00	7	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
		Drinking Water	250.	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	5	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: GOGA0081

NPS Station ID: GOGA0081 | LAT/LON: 37.613329/-122.477785 | Agency: 21CAL-1 | Date Created: 10/18/80
Location: CALERA C A VALLEMAR -REINA DELMAR | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8772810
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050006001517.33 | RF3 Mile Point: 17.32 | Distance from RF3: 0.04 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 125 ;
STATION NAME: CALERA C A VALLEMAR -REINA DELMAR; DWR COUNTY CODE: 41; LATITUDE: 373648; LONGITUDE: 1222840;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 06, SECTION 01MBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/27/53-06/09/53	2	54.	54.	56.	52.	8.	2.828	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/27/53-06/09/53	2	1.55	1.55	3.	0.1	4.205	2.051	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/27/53-06/09/53	2	446.	446.	560.	332.	25992.	161.22	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/27/53-06/09/53	2	446.	446.	560.	332.	25992.	161.22	**	**	**	**
00400	PH (STANDARD UNITS)	01/27/53-06/09/53	2	7.85	7.85	8.1	7.6	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/27/53-06/09/53	2	7.782	7.782	8.1	7.6	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/53-06/09/53	2	0.017	0.017	0.025	0.008	0.	0.012	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/27/53-06/09/53	2	7.85	7.85	8.1	7.6	0.125	0.354	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/27/53-06/09/53	2	7.782	7.782	8.1	7.6	0.134	0.367	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/27/53-06/09/53	2	0.017	0.017	0.025	0.008	0.	0.012	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/27/53-06/09/53	2	157.	157.	211.	103.	5832.	76.368	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/27/53-06/09/53	2	27.5	27.5	35.	20.	112.5	10.607	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/27/53-06/09/53	2	21.5	21.5	30.	13.	144.5	12.021	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/27/53-06/09/53	2	34.5	34.5	41.	28.	84.5	9.192	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/27/53-06/09/53	2	1.05	1.05	1.7	0.4	0.845	0.919	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/27/53-06/09/53	2	50.	50.	62.	38.	288.	16.971	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/27/53-06/09/53	2	13.2	13.2	18.	8.4	46.08	6.788	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/27/53-06/09/53	2	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/27/53-06/09/53	2	19.	19.	22.	16.	18.	4.243	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/27/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/27/53-06/09/53	2	115.	115.	180.	50.	8450.	91.924	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/27/53-06/09/53	2	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: GOGA0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01046	IRON, DISSOLVED (UG/L AS FE)	01/27/53-06/09/53	2	150.	150.	300.	0.	45000.	212.132	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/27/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/27/53-06/09/53	2	15.	15.	30.	0.	450.	21.213	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/27/53-06/09/53	2	35.	35.	50.	20.	450.	21.213	**	**	**	**
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/27/53-06/09/53	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/27/53-06/09/53	2	144.	144.	200.	88.	6272.	79.196	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/27/53-06/09/53	2	1.8	1.8	3.6	0.	6.48	2.546	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0081

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	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			
00403	PH, LAB	Fresh Chronic	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			
00941	CHLORIDE, DISSOLVED 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			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	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			
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			
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			
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5000.	2	0	0.00	1	0	0.00				1	0	0.00			
01220	CHROMIUM, HEXAVALENT, DISSOLVED	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			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	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: GOGA0082

NPS Station ID: GOGA0082 | LAT/LON: 37.614439/-122.470005 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: CALERA CREEK TRIB AT VALLEMAR | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8773301 /2022111
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050006006300.00 | RF3 Mile Point: 0.04 | Distance from RF3: 0.02 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 375 ;
STATION NAME: CALERA CREEK TRIB AT VALLEMAR ; DWR COUNTY CODE: 41; LATITUDE: 373652; LONGITUDE: 1222812;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 06, SECTION 01FBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6001-3 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/73-05/05/75	24	12.	12.083	17.	8.	5.558	2.358	8.75	10.25	13.	16.
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/27/73-05/05/75	21	0.5	1.024	5.	0.5	1.562	1.25	0.5	0.5	0.5	3.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/17/73-05/05/75	21	2.	8.571	80.	0.	353.557	18.803	0.	1.	7.	36.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/17/73-05/05/75	24	514.	489.042	800.	180.	25018.042	158.171	254.	357.5	600.	680.5
00300	OXYGEN, DISSOLVED MG/L	07/17/73-05/05/75	24	10.35	10.229	11.5	8.4	0.652	0.807	8.75	9.8	10.7	11.35
00400	PH (STANDARD UNITS)	07/17/73-05/05/75	20	7.75	7.665	8.1	6.6	0.116	0.341	7.12	7.55	7.875	7.99
00400	CONVERTED PH (STANDARD UNITS)	07/17/73-05/05/75	20	7.747	7.469	8.1	6.6	0.156	0.395	7.12	7.55	7.875	7.99
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/73-05/05/75	20	0.018	0.034	0.251	0.008	0.003	0.054	0.01	0.013	0.029	0.077
00403	PH, LAB, STANDARD UNITS SU	07/17/73-05/05/75	17	8.	7.835	8.5	6.9	0.219	0.468	6.98	7.55	8.15	8.26
00403	CONVERTED PH, LAB, STANDARD UNITS	07/17/73-05/05/75	17	8.	7.554	8.5	6.9	0.303	0.55	6.98	7.55	8.15	8.26
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/73-05/05/75	17	0.01	0.028	0.126	0.003	0.001	0.038	0.006	0.007	0.033	0.105
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/73-05/05/75	17	80.	90.	239.	42.	2852.	53.404	44.4	57.	98.	207.8
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/17/73-05/05/75	16	270.	271.188	439.	139.	8446.963	91.907	158.6	183.5	343.5	415.9
00545	RESIDUE, SETTLEABLE (ML/L)	10/12/73-04/01/75	16	0.05	0.138	1.	0.	0.075	0.273	0.	0.	0.1	0.72
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/17/73-05/13/74	4	0.05	0.235	0.84	0.	0.165	0.406	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/73-05/13/74	4	0.025	0.033	0.07	0.01	0.001	0.026	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/73-05/05/75	17	154.	161.529	291.	60.	5313.765	72.896	72.8	93.	213.	288.6
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/73-05/05/75	17	34.3	33.788	62.9	10.8	233.295	15.274	15.76	19.4	43.9	61.3
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/73-05/05/75	17	16.6	18.7	33.7	7.8	79.106	8.894	7.96	10.8	25.55	33.14
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/73-05/13/74	4	36.55	34.825	42.2	24.	63.176	7.948	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/73-05/13/74	4	1.25	1.35	2.	0.9	0.257	0.507	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/17/73-05/05/75	17	63.	60.647	110.	26.	354.868	18.838	38.8	45.5	69.5	86.8

** - 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

Parameter Inventory for Station: GOGA0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/17/73-05/05/75	17	27.3	28.741	48.8	13.4	144.274	12.011	13.48	17.95	41.1	48.16
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/73-05/13/74	3	0.1	0.167	0.3	0.1	0.013	0.115	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/21/74-05/13/74	2	105.	105.	200.	10.	18050.	134.35	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/17/73-05/13/74	4	235.	225.	410.	20.	26300.	162.173	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/73-05/13/74	4	25.	37.5	100.	0.	2291.667	47.871	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	04/01/74-04/01/74	1	200.	200.	200.	200.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/17/73-05/13/74	4	0.25	1.05	3.7	0.	3.15	1.775	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0082

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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.	21	1	0.05	7	0	0.00	4	0	0.00	10	1	0.10			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	24	0	0.00	9	0	0.00	5	0	0.00	10	0	0.00			
00400	PH	Fresh Chronic	9.	20	0	0.00	9	0	0.00	4	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	20	0	0.00	9	0	0.00	4	0	0.00	7	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	17	0	0.00	4	0	0.00	3	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	17	0	0.00	4	0	0.00	3	0	0.00	10	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	17	0	0.00	4	0	0.00	3	0	0.00	10	0	0.00			
		Drinking Water	250.	17	0	0.00	4	0	0.00	3	0	0.00	10	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	17	0	0.00	4	0	0.00	3	0	0.00	10	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	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: GOGA0083

NPS Station ID: GOGA0083
LAT/LON: 37.615275/-122.447791
Agency: 21CAL-1
Date Created: 08/27/76
Location: SAN ANDREAS LAKE NORTH TRIBUTARY
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E7185501 /2044005
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: SAN FRANCISCO BAY AREA
Elevation: 0
Water Body Id:
Minor Basin: BAYSIDE-SAN MATEO
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003097600.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 530 ;
STATION NAME: SAN ANDREAS LAKE NORTH TRIBUTARY ; DWR COUNTY CODE: 41; LATITUDE: 373655; LONGITUDE: 1222652;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 05, SECTION 06GBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6001-5 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0083

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: GOGA0084

NPS Station ID: GOGA0084 | LAT/LON: 37.621385/-122.493899 | Agency: 21CAL-1 | Date Created: 12/22/79
Location: LAGUNA SALADA CR AT MARSH LAGOON | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8774510 /2022117
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050006015 | RF1 Mile Point: 20.000 | Distance from RF1: 14.90 | On/Off RF1: OFF
RF3 Index: 18050006006501.41 | RF3 Mile Point: 1.82 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 20 ;
STATION NAME: LAGUNA SALADA CR AT MARSH LAGOON ; DWR COUNTY CODE: 41; LATITUDE: 373717; LONGITUDE: 1222938;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 04S, RANGE 06, SECTION 02DBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0084

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: GOGA0085

NPS Station ID: GOGA0085 | LAT/LON: 37.622223/-122.483344 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: LAGUNA SALADA CK A HWY 1 A PACIFA | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E8775000 /2022112
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-SAN MATEO | ECO Region:
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 15.30 | On/Off RF1:
RF3 Index: 18050006006300.00 | RF3 Mile Point: 1.76 | Distance from RF3: 0.24 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 60 ;
STATION NAME: LAGUNA SALADA CK A HWY 1 A PACIFA; DWR COUNTY CODE: 41; LATITUDE: 373720; LONGITUDE: 1222900;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 03S, RANGE 06, SECTION 35QBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6001-1 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/73-05/05/75	25	12.	12.56	18.	9.	4.923	2.219	10.	10.5	13.5	16.
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/27/73-05/05/75	24	0.5	1.375	8.	0.5	2.701	1.643	0.5	0.5	2.	3.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/17/73-05/05/75	21	4.	23.048	340.	2.	5351.448	73.154	2.	3.	9.5	35.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/17/73-05/05/75	24	502.5	477.958	845.	230.	35244.129	187.734	232.	297.5	612.5	730.
00300	OXYGEN, DISSOLVED MG/L	07/17/73-05/05/75	25	9.8	9.816	10.9	8.7	0.387	0.622	9.	9.25	10.3	10.66
00400	PH (STANDARD UNITS)	07/17/73-05/05/75	20	7.6	7.59	7.9	6.8	0.063	0.251	7.22	7.5	7.775	7.89
00400	CONVERTED PH (STANDARD UNITS)	07/17/73-05/05/75	20	7.6	7.495	7.9	6.8	0.073	0.269	7.22	7.5	7.775	7.89
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/73-05/05/75	20	0.025	0.032	0.158	0.013	0.001	0.032	0.013	0.017	0.032	0.061
00403	PH, LAB, STANDARD UNITS SU	05/22/73-05/05/75	18	7.95	7.911	8.7	7.4	0.11	0.332	7.4	7.675	8.1	8.25
00403	CONVERTED PH, LAB, STANDARD UNITS	05/22/73-05/05/75	18	7.947	7.801	8.7	7.4	0.123	0.351	7.4	7.675	8.1	8.25
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/22/73-05/05/75	18	0.011	0.016	0.04	0.002	0.	0.011	0.006	0.008	0.021	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/22/73-05/05/75	18	116.	110.5	168.	56.	1076.971	32.817	64.1	73.75	141.25	149.1
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/73-05/05/75	18	309.5	293.167	394.	125.	5651.676	75.178	148.4	252.	347.25	367.
00545	RESIDUE, SETTLEABLE (ML/L)	10/12/73-04/01/75	16	0.05	0.119	0.8	0.	0.044	0.21	0.	0.	0.1	0.52
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/17/73-05/13/74	4	0.905	1.378	3.6	0.1	2.449	1.565	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/73-05/13/74	4	0.075	0.075	0.12	0.03	0.002	0.039	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/73-05/05/75	18	180.	174.889	256.	90.	2660.693	51.582	92.7	125.25	224.	236.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/22/73-05/05/75	18	31.95	28.911	38.5	17.3	55.868	7.474	17.57	21.025	35.5	36.61
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/22/73-05/05/75	18	25.2	24.961	38.8	11.2	71.838	8.476	12.1	16.95	32.85	35.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/22/73-05/13/74	5	39.	35.54	47.6	17.8	124.258	11.147	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/22/73-05/13/74	5	1.2	1.44	2.5	1.	0.393	0.627	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/22/73-05/05/75	18	56.	54.222	78.	25.	226.418	15.047	27.7	47.25	62.25	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 time series plot

Parameter Inventory for Station: GOGA0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/22/73-05/05/75	18	29.	27.772	37.2	15.3	45.386	6.737	17.91	21.45	34.075	36.57
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/22/73-05/13/74	5	0.2	0.26	0.7	0.1	0.063	0.251	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/21/74-05/13/74	2	80.	80.	130.	30.	5000.	70.711	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/22/73-05/13/74	5	200.	354.	1000.	40.	159880.	399.85	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/22/73-05/13/74	4	5.	15.	50.	0.	566.667	23.805	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/73-05/13/74	5	3.8	5.66	15.9	0.6	36.478	6.04	**	**	**	**

** - 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: GOGA0085

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	21	1	0.05	6	0	0.00	4	0	0.00	11	1	0.09			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	25	0	0.00	8	0	0.00	5	0	0.00	12	0	0.00			
00400	PH	Fresh Chronic	9.	20	0	0.00	8	0	0.00	4	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	20	0	0.00	8	0	0.00	4	0	0.00	8	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
		Drinking Water	250.	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	18	0	0.00	5	0	0.00	3	0	0.00	10	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	5	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: GOGA0086

NPS Station ID: GOGA0086
LAT/LON: 37.623052/-122.479179
Agency: 21CAL-1
Date Created: 12/22/79
Location: SALT CR AT CONF, LAGUNA SALADA CR
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8775110 /2022118
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050006001517.53
RF3 Mile Point: 23.02
Distance from RF3: 0.09
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 100 ;
STATION NAME: SALT CR A CONF, LAGUNA SALADA CR ; DWR COUNTY CODE: 41; LATITUDE: 373723; LONGITUDE: 1222845;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 03S, RANGE 06, SECTION 35RBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0086

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: GOGA0087

NPS Station ID: GOGA0087 | LAT/LON: 37.626662/-122.436953 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: SAN BRUNO C A ENGVALL SCH | FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E7247000 /2044006
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050004 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: BAYSIDE-SAN MATEO | ECO Region:
RF1 Index: 18050004 | RF1 Mile Point: 0.000 | Distance from RF1: 27.60 | On/Off RF1:
RF3 Index: 18050006025900.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.41 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 175 ;
STATION NAME: SAN BRUNO C A ENGVALL SCH ; DWR COUNTY CODE: 41; LATITUDE: 373736; LONGITUDE: 1222613;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 03S, RANGE 05, SECTION 32MBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: 6001-4 , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/73-05/05/75	23	12.	12.304	17.	7.	5.153	2.27	10.	11.	14.	15.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/73-05/05/75	21	1.	2.214	13.	0.5	10.364	3.219	0.5	0.5	2.	8.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/17/73-05/05/75	19	5.	42.	400.	2.	8324.778	91.24	2.	4.	46.	90.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/17/73-05/05/75	22	819.5	761.727	950.	230.	36006.113	189.753	336.1	750.	851.25	924.
00300	OXYGEN, DISSOLVED MG/L	07/17/73-05/05/75	23	9.7	9.591	10.9	7.7	0.59	0.768	8.48	9.2	10.2	10.5
00400	PH (STANDARD UNITS)	07/17/73-05/05/75	19	7.7	7.642	8.	7.3	0.064	0.252	7.3	7.4	7.9	7.9
00400	CONVERTED PH (STANDARD UNITS)	07/17/73-05/05/75	19	7.7	7.574	8.	7.3	0.069	0.262	7.3	7.4	7.9	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/73-05/05/75	19	0.02	0.027	0.05	0.01	0.	0.015	0.013	0.013	0.04	0.05
00403	PH, LAB, STANDARD UNITS SU	07/17/73-05/05/75	17	8.	7.959	8.9	7.	0.243	0.493	7.08	7.7	8.3	8.66
00403	CONVERTED PH, LAB, STANDARD UNITS	07/17/73-05/05/75	17	8.	7.685	8.9	7.	0.322	0.568	7.08	7.7	8.3	8.66
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/73-05/05/75	17	0.01	0.021	0.1	0.001	0.001	0.028	0.002	0.005	0.02	0.084
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/73-05/05/75	17	223.	200.059	271.	42.	4880.434	69.86	58.	160.5	257.	270.2
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/30/73-05/05/75	15	454.	419.267	581.	135.	18760.495	136.969	168.6	322.	537.	576.2
00545	RESIDUE, SETTLEABLE (ML/L)	07/17/73-04/01/75	17	0.1	0.824	10.	0.	5.854	2.42	0.	0.	0.25	3.6
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/17/73-05/13/74	4	0.95	1.033	1.63	0.6	0.201	0.448	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/73-05/13/74	4	0.155	0.188	0.36	0.08	0.018	0.135	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/73-05/05/75	17	329.	310.765	444.	62.	10668.941	103.291	108.4	265.5	393.	415.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/73-05/05/75	17	63.1	55.612	77.7	13.6	310.44	17.619	22.64	44.9	67.3	75.54
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/73-05/05/75	17	43.8	41.806	60.7	6.8	222.357	14.912	12.64	35.	53.6	57.66
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/73-05/13/74	4	45.85	45.425	57.	33.	133.243	11.543	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/73-05/13/74	4	1.9	2.225	3.5	1.6	0.749	0.866	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/17/73-05/05/75	17	56.	55.706	132.	8.	693.971	26.343	17.6	41.	68.	83.2

** - 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: GOGA0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/17/73-05/05/75	17	58.1	58.035	84.	16.2	354.732	18.834	27.24	47.2	72.5	83.92
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/73-05/13/74	3	0.4	0.367	0.5	0.2	0.023	0.153	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/21/74-05/13/74	2	80.	80.	120.	40.	3200.	56.569	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/17/73-05/13/74	4	405.	845.	2300.	270.	949766.667	974.56	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/30/73-05/13/74	3	150.	150.	250.	50.	10000.	100.	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	12/27/73-07/12/74	4	600.	2300.	7900.	100.	14160000.	3762.978	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/17/73-02/21/74	2	528.5	528.5	561.	496.	2112.5	45.962	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/17/73-05/13/74	4	4.2	4.575	7.2	2.7	3.889	1.972	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0087

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	19	4	0.21	6	1	0.17	4	1	0.25	9	2	0.22			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	23	0	0.00	8	0	0.00	5	0	0.00	10	0	0.00			
00400	PH	Fresh Chronic	9.	19	0	0.00	8	0	0.00	4	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	19	0	0.00	8	0	0.00	4	0	0.00	7	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	17	0	0.00	4	0	0.00	3	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	17	0	0.00	4	0	0.00	3	0	0.00	10	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	17	0	0.00	4	0	0.00	3	0	0.00	10	0	0.00			
		Drinking Water	250.	17	0	0.00	4	0	0.00	3	0	0.00	10	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	17	0	0.00	4	0	0.00	3	0	0.00	10	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	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: GOGA0088

NPS Station ID: GOGA0088 LAT/LON: 37.645278/-122.483059 Agency: 21CAL-1 Date Created: 12/22/79
Location: MILAGRA VALLEY CREEK AT EDGEMAR AVE FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): E8855110 /2031204
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 9.60 On/Off RF1:
RF3 Index: 18050006004200.00 RF3 Mile Point: 0.46 Distance from RF3: 0.05 On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 25 ;
STATION NAME: MILAGRA VALLEY CREEK A EDGEMAR AV; DWR COUNTY CODE: 41; LATITUDE: 373843; LONGITUDE: 1222859;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 03S, RANGE 06, SECTION 26HBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0088

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: GOGA0089

NPS Station ID: GOGA0089 LAT/LON: 37.646107/-122.420846 Agency: 112WRD Date Created: / /
Location: SPRUCE BRANCH AT SOUTH SAN FRANCISCO CALIF FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 11162722
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 15.70 On/Off RF1:
RF3 Index: 18050004139800.00 RF3 Mile Point: 1.64 Distance from RF3: 0.08 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-02/24/69	26	12.1	11.796	15.6	7.	5.856	2.42	8.21	9.	13.925	14.12
00060	FLOW, STREAM, MEAN DAILY CFS	11/17/65-02/24/69	30	19.5	36.483	203.	0.7	2090.246	45.719	2.1	7.75	43.	102.4
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/17/65-11/30/67	2	85.	85.	100.	70.	450.	21.213	**	**	**	**
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11/17/65-11/17/65	1	96.	96.	96.	96.	0.	0.	**	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	11/17/65-11/17/65	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/17/65-02/11/69	21	17.	19.905	64.	5.	168.99	13.	8.4	11.5	22.5	36.4
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/17/65-02/11/69	21	18.	22.19	74.	5.	215.162	14.668	8.8	14.	26.5	37.6
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	11/17/65-02/11/69	21	22.	28.143	91.	7.	331.929	18.219	11.8	16.5	34.	49.
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/17/65-02/11/69	21	32.	35.048	98.	12.	360.148	18.978	17.4	21.	42.5	57.
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	11/17/65-02/11/69	21	41.	43.762	98.	18.	325.99	18.055	27.2	28.5	53.5	67.2
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/17/65-02/24/69	28	61.	56.964	84.	10.	230.628	15.186	42.5	46.25	66.5	77.3
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/17/65-02/24/69	28	93.5	90.536	99.	69.	61.888	7.867	73.9	88.	96.	97.1
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/17/65-02/24/69	28	99.	98.25	100.	89.	8.269	2.876	92.9	98.25	100.	100.
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/17/65-02/11/69	16	100.	99.188	100.	95.	2.429	1.559	95.7	99.	100.	100.
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	11/17/65-02/06/69	5	100.	99.8	100.	99.	0.2	0.447	**	**	**	**
70347	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 2.00MM	01/29/69-01/29/69	1	100.	100.	100.	100.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-02/24/69	30	5470.	11400.2	103000.	649.	369942666.51	19233.894	771.5	3030.	12275.	31940.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-02/24/69	30	329.	1225.233	11700.	9.	5564982.047	2359.021	12.2	58.25	1377.5	4011.

** - Less than 9 observations ## - 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: GOGA0090

NPS Station ID: GOGA0090
LAT/LON: 37.653889/-122.425286
Agency: 112WRD
Date Created: / /
Location: COLMA C A SOUTH SAN FRANCISCO CA
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11162720
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.20
On/Off RF1:
RF3 Index: 18050006000600.45
RF3 Mile Point: 1.91
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	144	12.	12.403	22.8	5.	8.363	2.892	8.3	11.	14.	15.25
00060	FLOW, STREAM, MEAN DAILY CFS	11/17/65-10/15/71	67	124.	184.825	818.	0.6	40913.255	202.27	3.	27.	292.	524.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	88	149.	271.038	1060.	0.3	73743.384	271.557	9.	49.	437.	703.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/77-07/27/77	1	1130.	1130.	1130.	1130.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/27/77-07/27/77	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/27/77-07/27/77	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/27/77-07/27/77	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/27/77-07/27/77	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/77-07/27/77	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/27/77-07/27/77	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/77-07/27/77	1	340.	340.	340.	340.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/27/77-07/27/77	1	380.	380.	380.	380.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	07/27/77-07/27/77	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/27/77-07/27/77	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/27/77-07/27/77	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/27/77-07/27/77	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/27/77-07/27/77	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/27/77-07/27/77	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/27/77-07/27/77	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/77-07/27/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/77-07/27/77	1	510.	510.	510.	510.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/27/77-07/27/77	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/27/77-07/27/77	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/27/77-07/27/77	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/27/77-07/27/77	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/27/77-07/27/77	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/27/77-07/27/77	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/27/77-07/27/77	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/27/77-07/27/77	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/77-07/27/77	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/27/77-07/27/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/27/77-07/27/77	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/27/77-07/27/77	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/27/77-07/27/77	1	40.	40.	40.	40.	0.	0.	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	07/27/77-07/27/77	1	16.	16.	16.	16.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/27/77-07/27/77	1	890.	890.	890.	890.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/27/77-07/27/77	1	0.72	0.72	0.72	0.72	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/27/77-07/27/77	1	1.21	1.21	1.21	1.21	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

Parameter Inventory for Station: GOGA0090

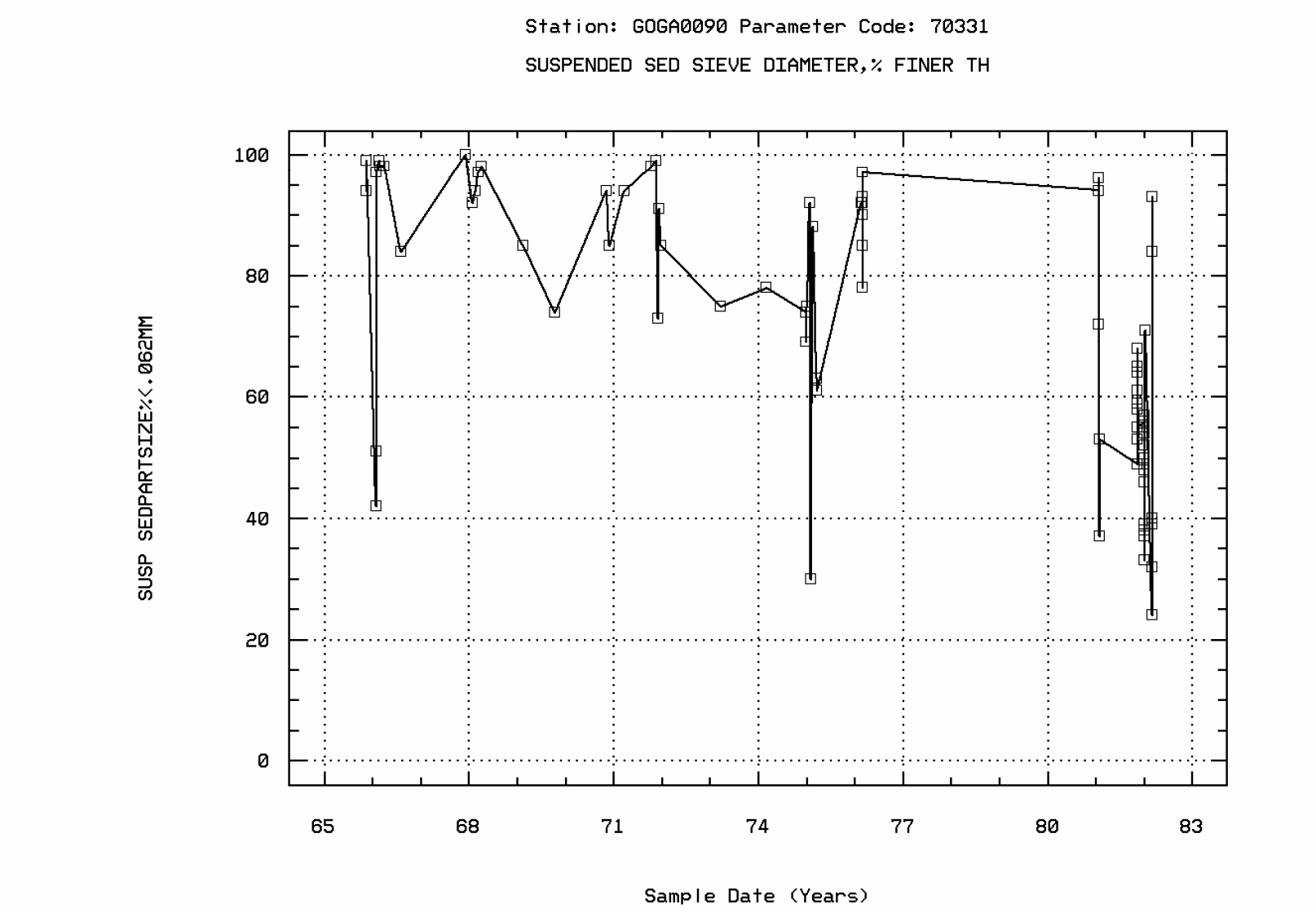
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/17/65-03/01/82	79	73.	70.544	100.	24.	491.251	22.164	39.	51.	92.	98.
70332p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11/17/65-11/13/81	44	94.	90.864	100.	46.	114.214	10.687	76.	87.25	98.75	100.
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	11/17/65-11/13/81	37	99.	97.919	100.	90.	6.743	2.597	94.2	97.	100.	100.
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	11/17/65-11/13/81	26	100.	99.846	100.	99.	0.135	0.368	99.	100.	100.	100.
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	02/01/66-11/13/81	4	100.	100.	100.	100.	0.	0.	**	**	**	**
70337p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/18/65-11/13/81	86	22.	27.035	92.	7.	279.634	16.722	10.	14.75	37.25	51.3
70338p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/17/65-11/13/81	90	28.	34.878	95.	8.	431.3	20.768	12.	18.	48.25	67.7
70339p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	11/18/65-11/13/81	86	34.5	40.57	98.	11.	519.307	22.788	15.7	23.	57.25	75.
70340p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/17/65-11/13/81	90	43.	49.811	100.	17.	607.683	24.651	21.1	29.75	71.5	88.8
70341p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	11/18/65-11/13/81	85	51.	55.282	99.	22.	510.967	22.605	30.	35.5	73.	90.8
70342p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/18/65-01/27/81	74	57.	58.797	98.	30.	227.178	15.072	44.	46.	67.5	80.
70343p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/18/65-01/27/81	74	84.	82.176	99.	45.	124.092	11.14	65.	76.	90.25	95.
70344p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/18/65-01/27/81	74	98.	97.203	100.	85.	10.41	3.227	92.5	97.	99.	100.
70345p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/18/65-01/27/81	61	100.	99.689	100.	94.	0.751	0.867	99.	100.	100.	100.
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	02/01/66-01/27/81	13	100.	99.769	100.	98.	0.359	0.599	98.4	100.	100.	100.
70347	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 2.00MM	02/01/66-11/24/70	2	100.	100.	100.	100.	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/27/77-07/27/77	1	78.	78.	78.	78.	0.	0.	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	154	1295.	3972.364	26600.	31.	30885048.86	5557.432	186.5	608.	5142.5	12300.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	122	604.	4351.867	48800.	0.18	85546318.96	9249.125	7.41	47.5	3732.5	11760.

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

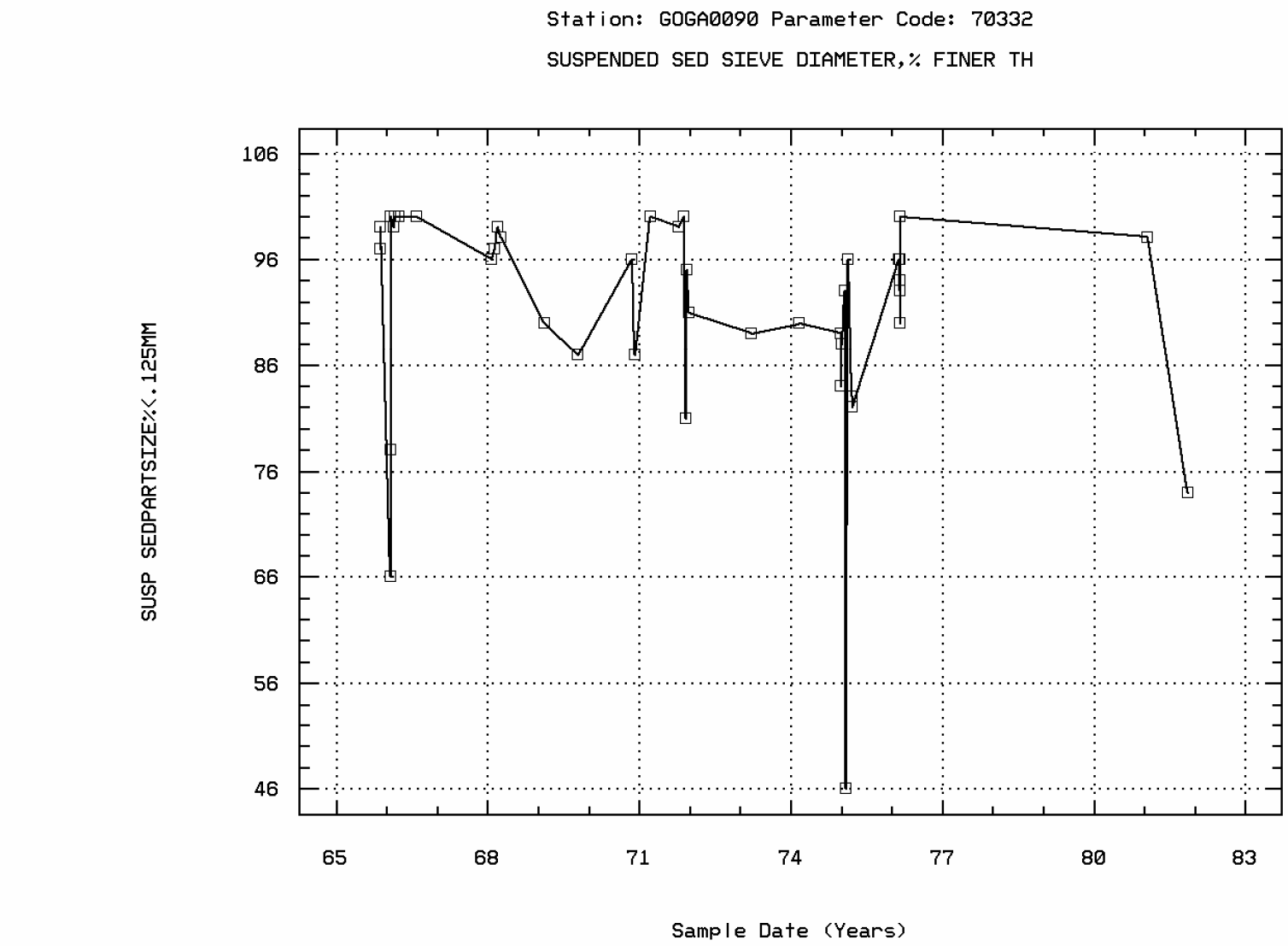
EPA Water Quality Criteria Analysis for Station: GOGA0090

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	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									
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	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

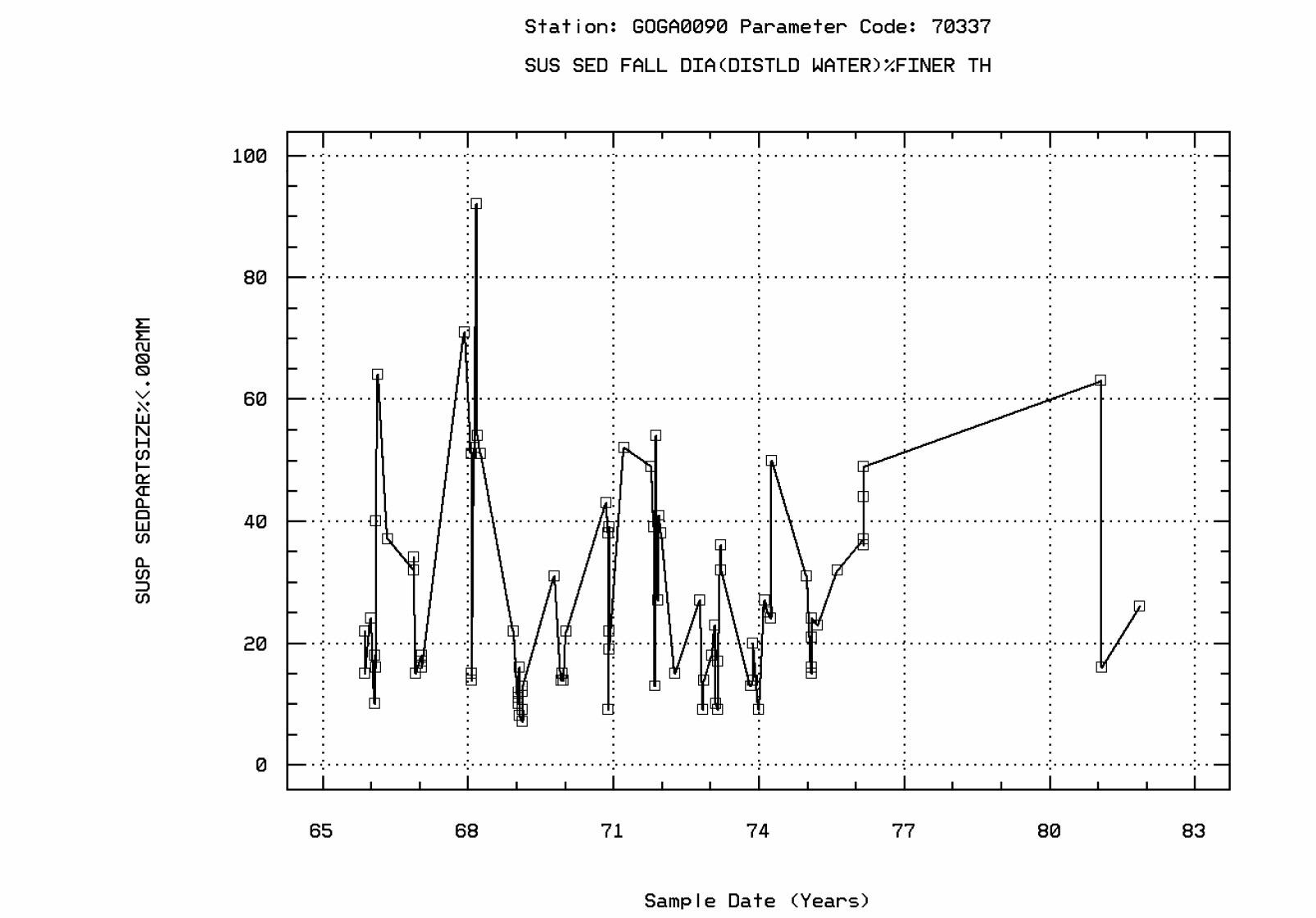
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



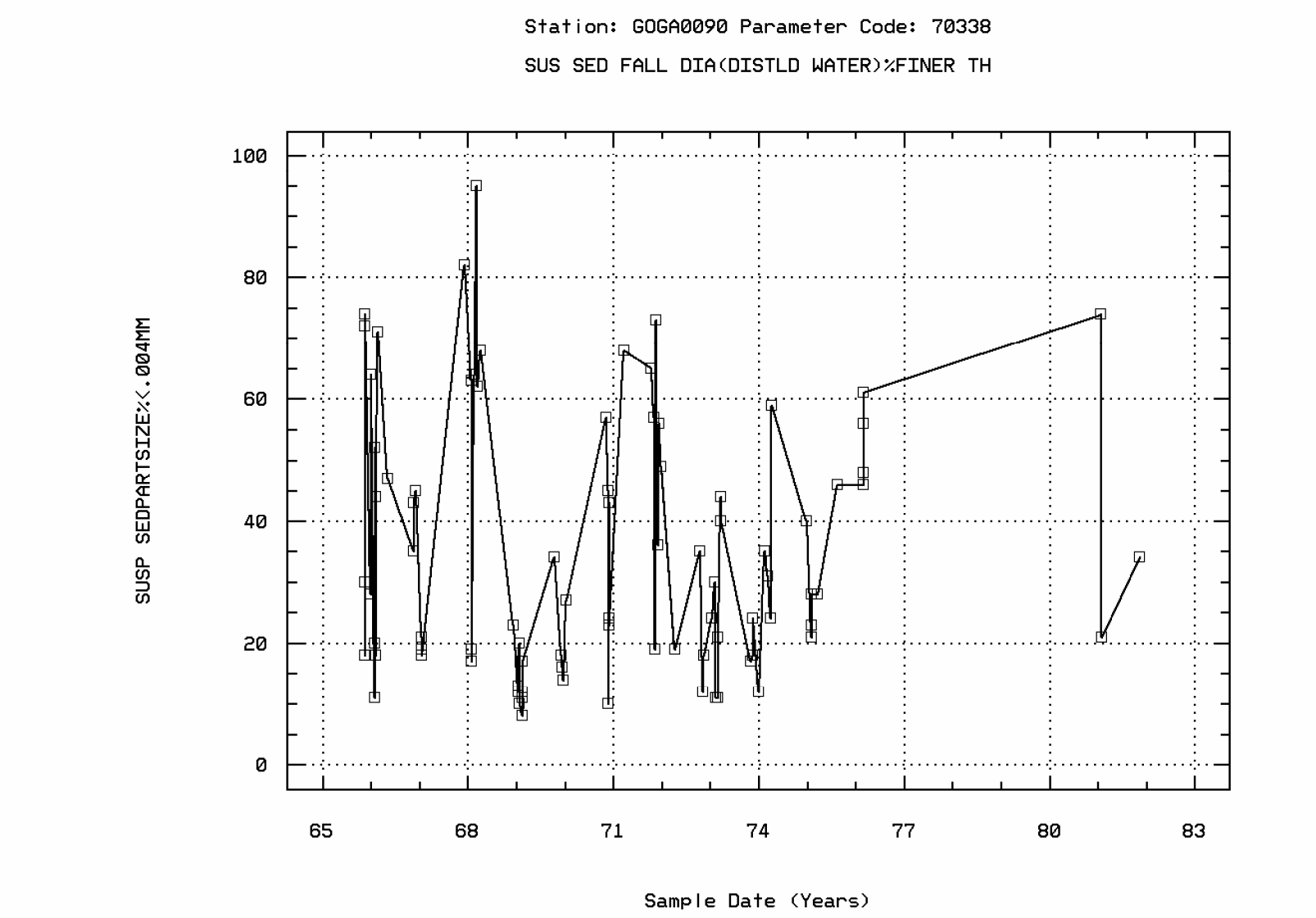
COLMA C A SOUTH SAN FRANCISCO CA



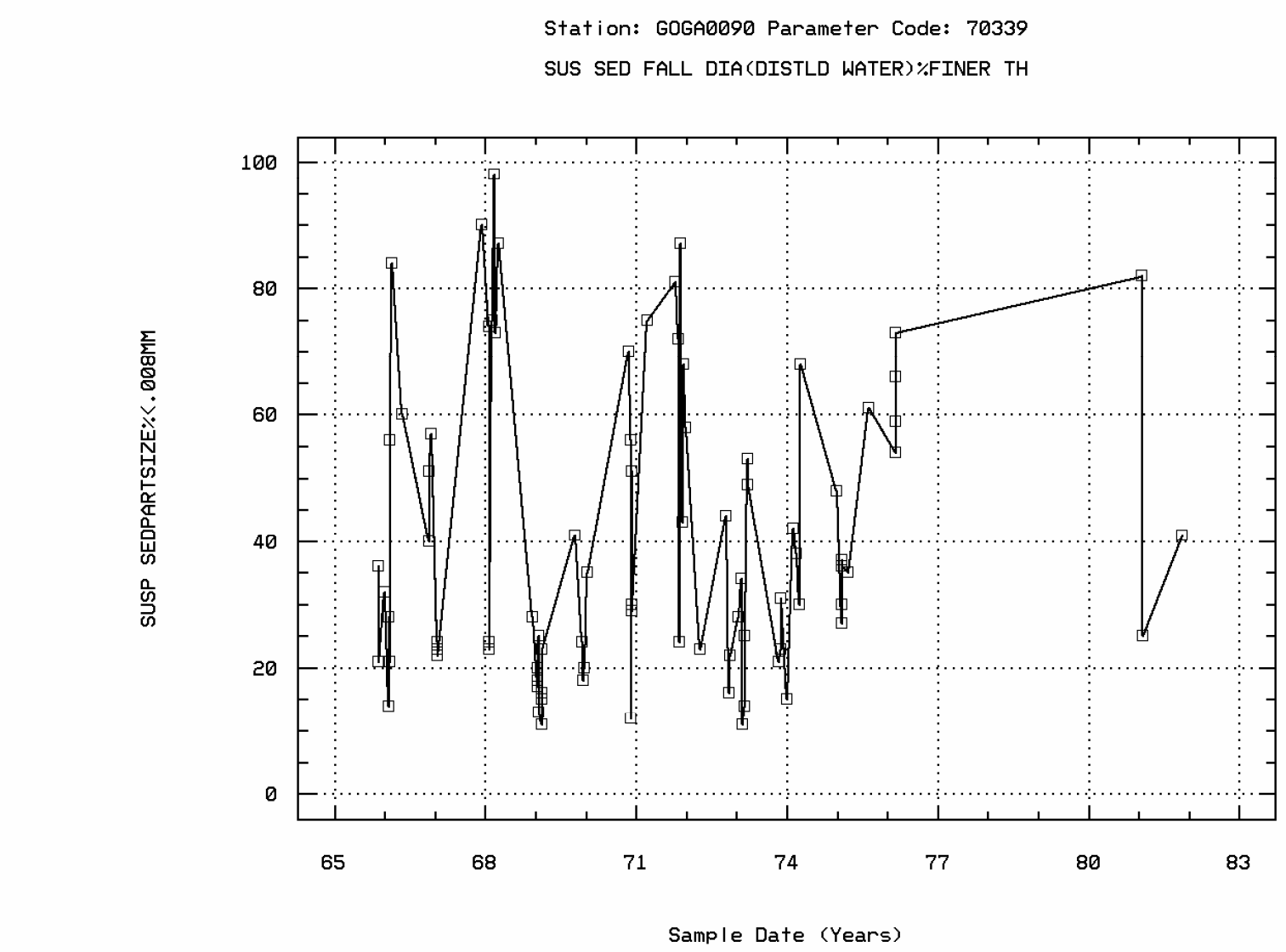
COLMA C A SOUTH SAN FRANCISCO CA



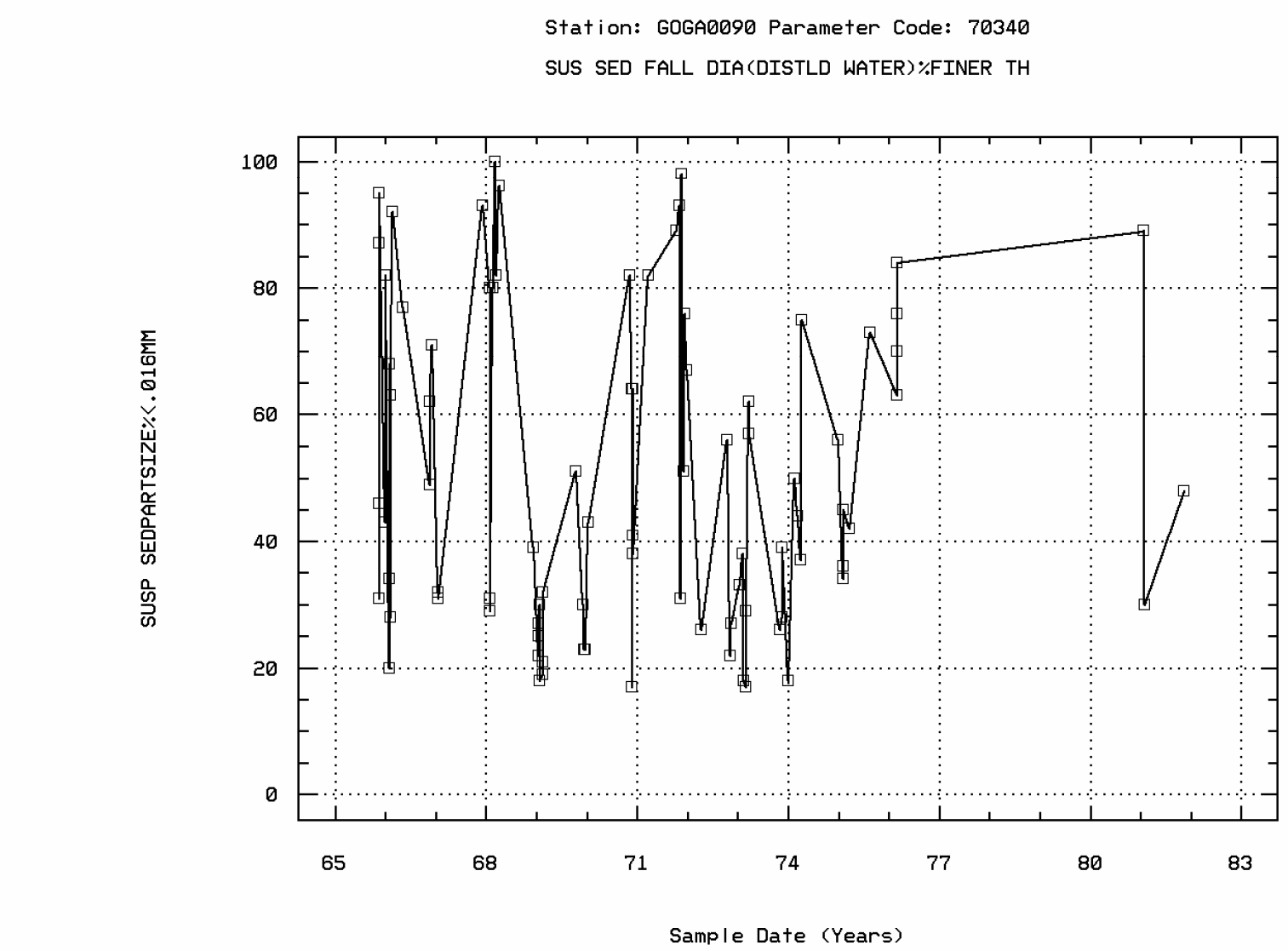
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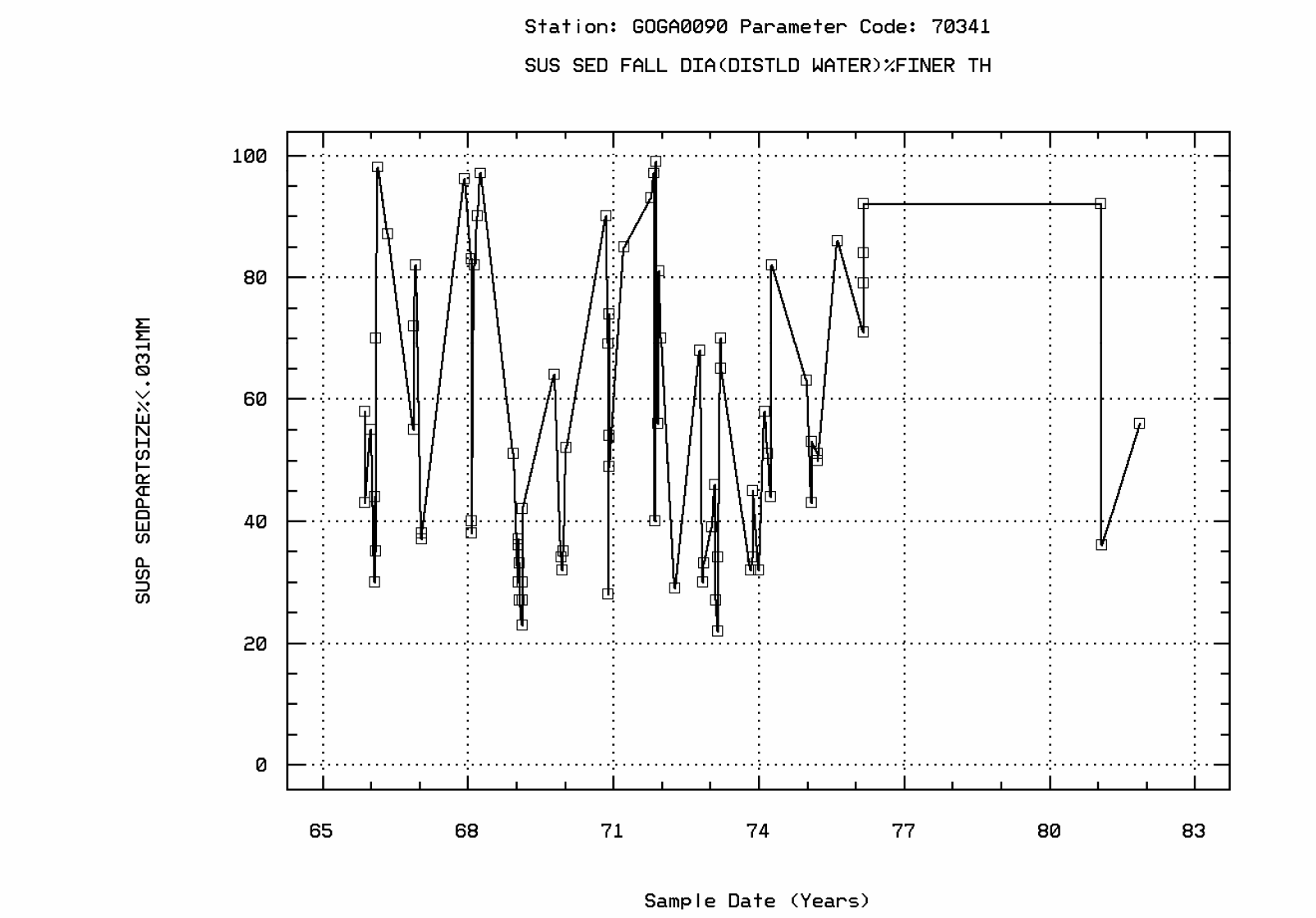
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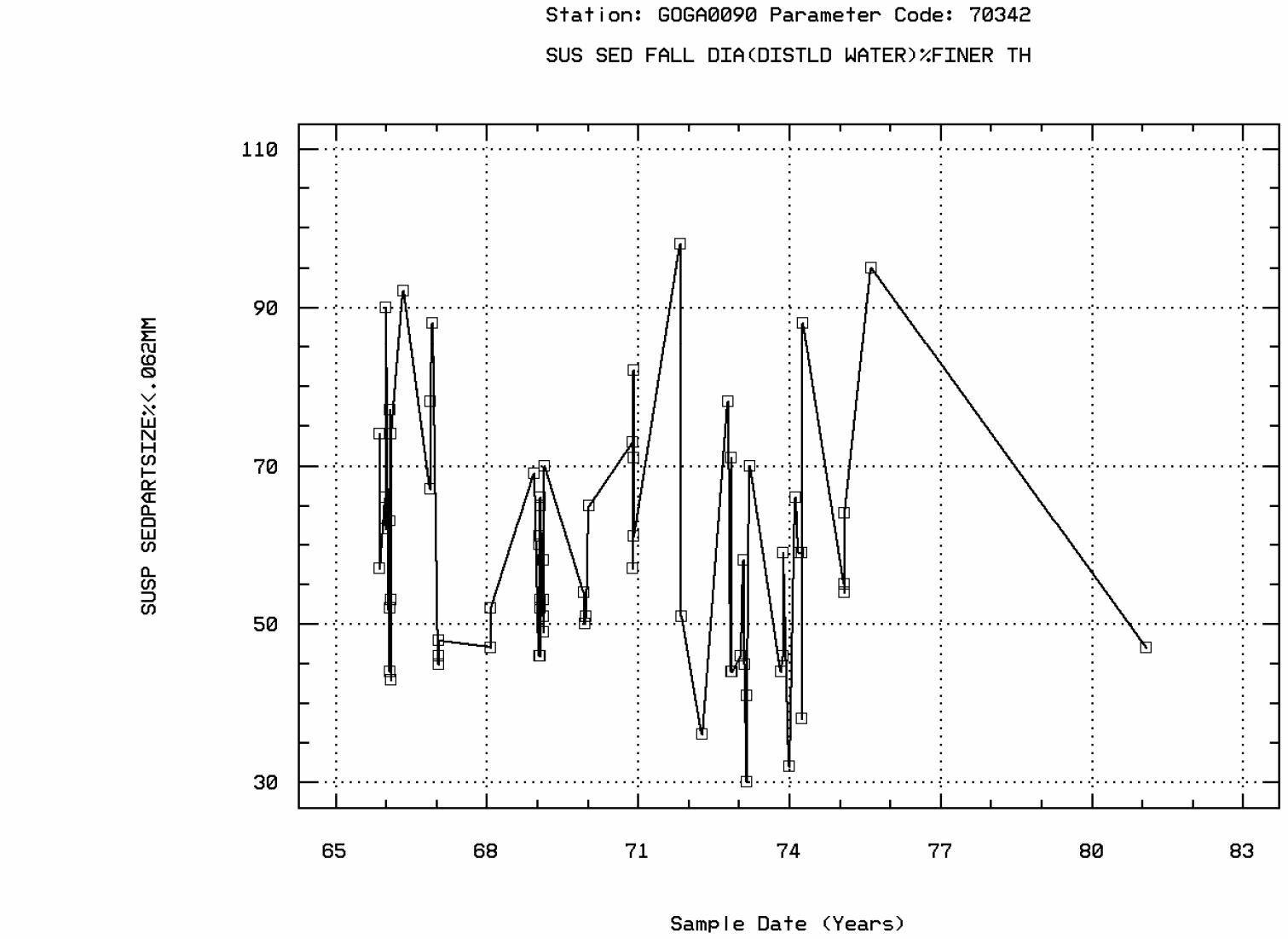
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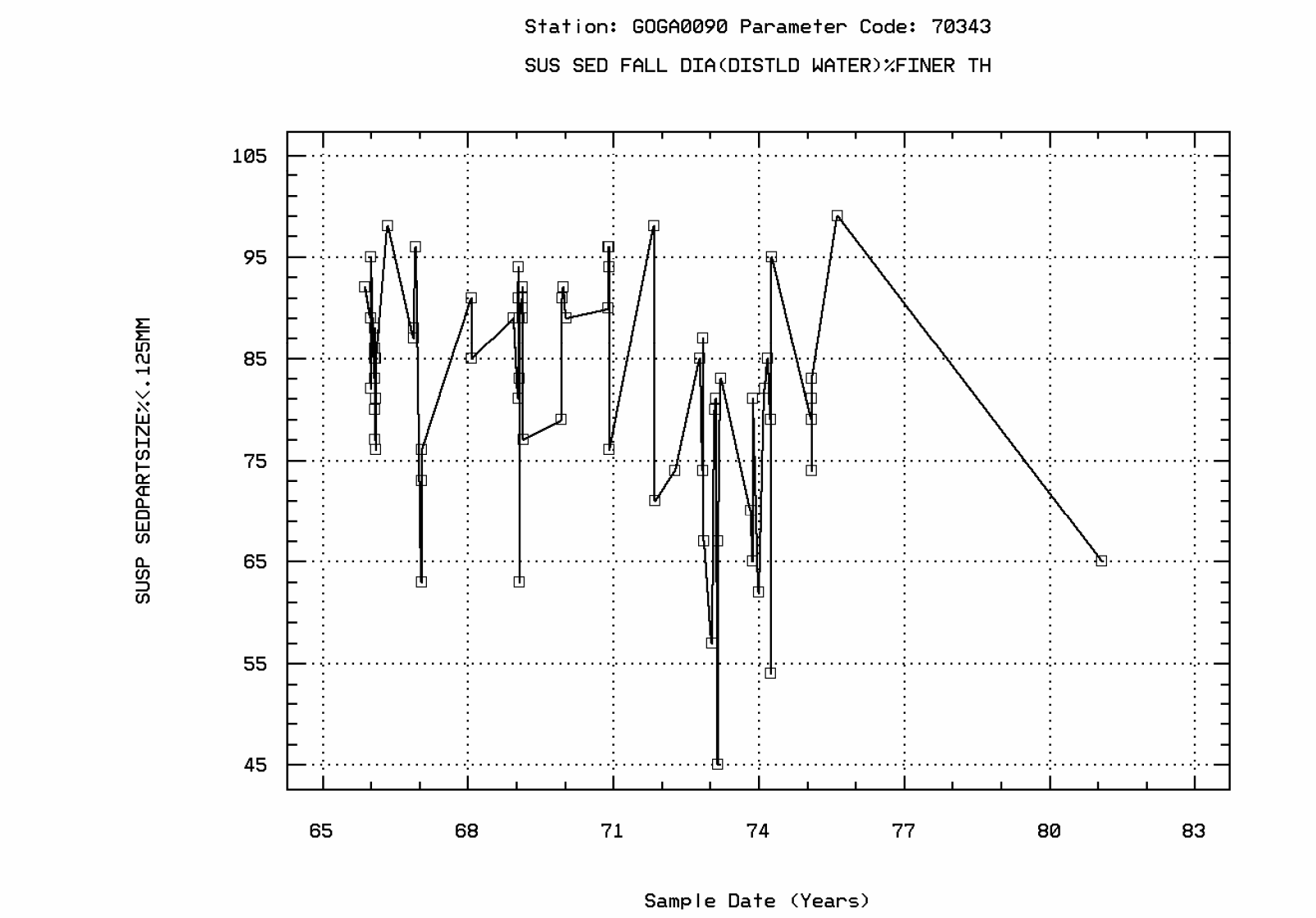
COLMA C A SOUTH SAN FRANCISCO CA



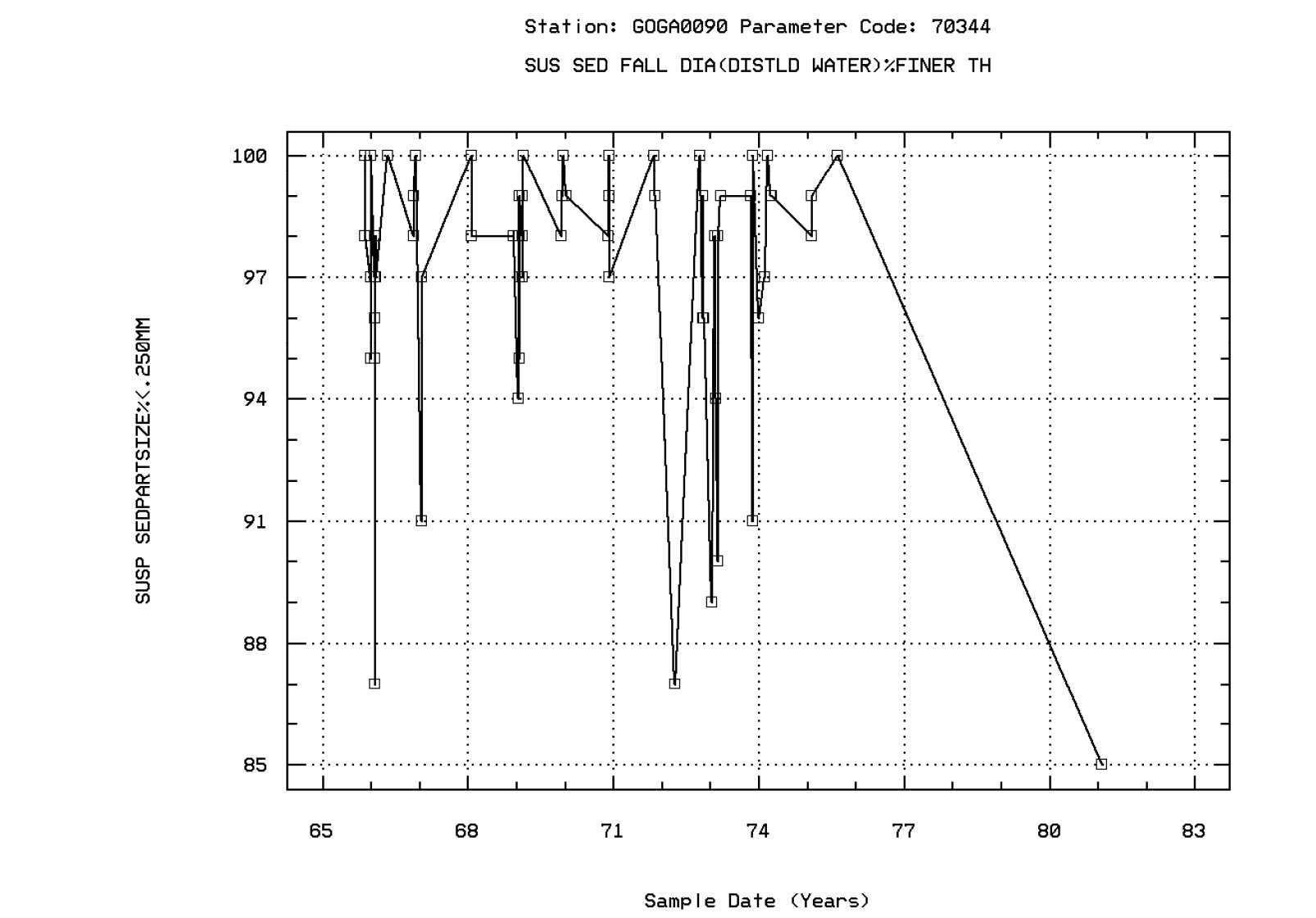
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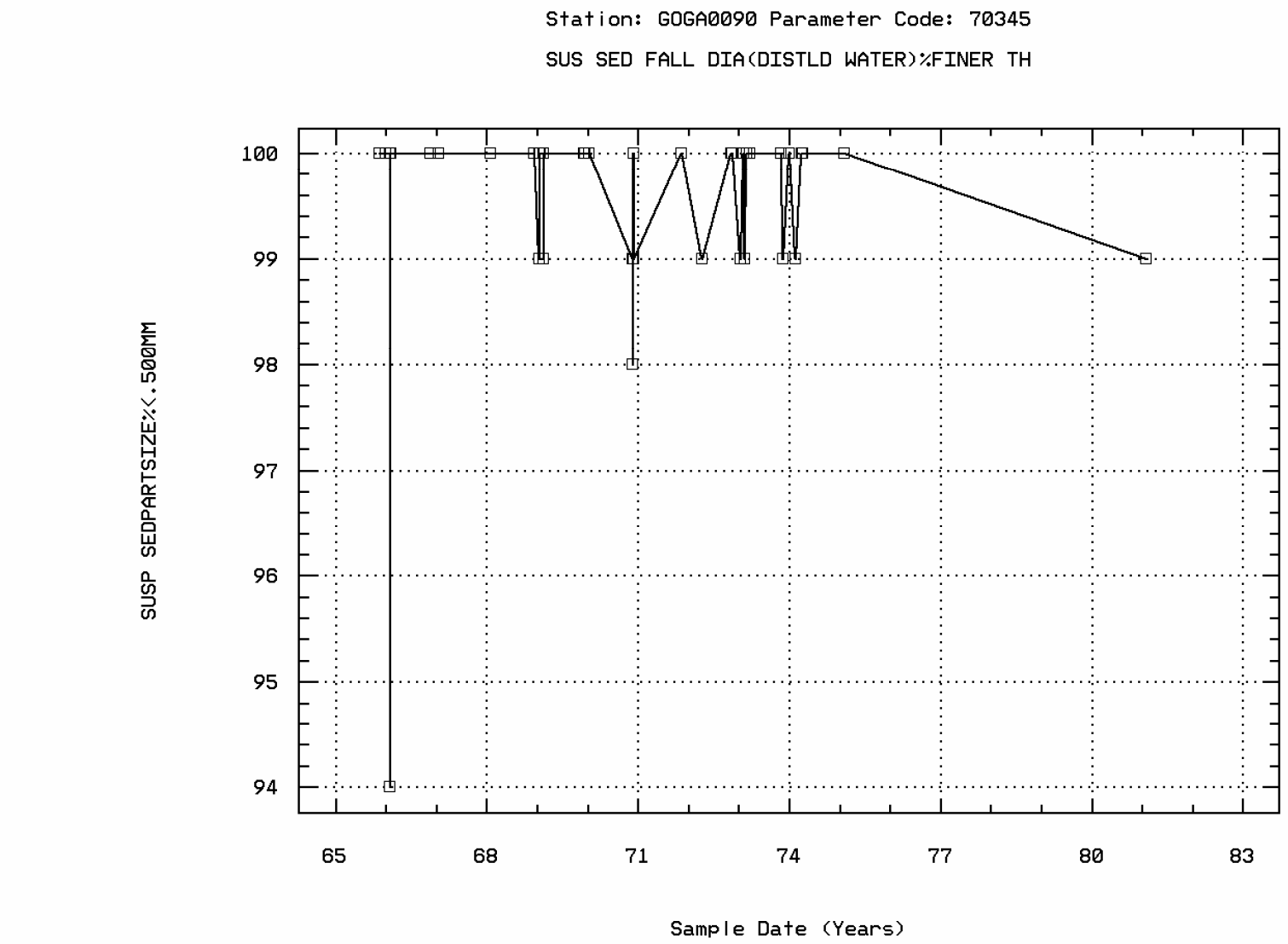
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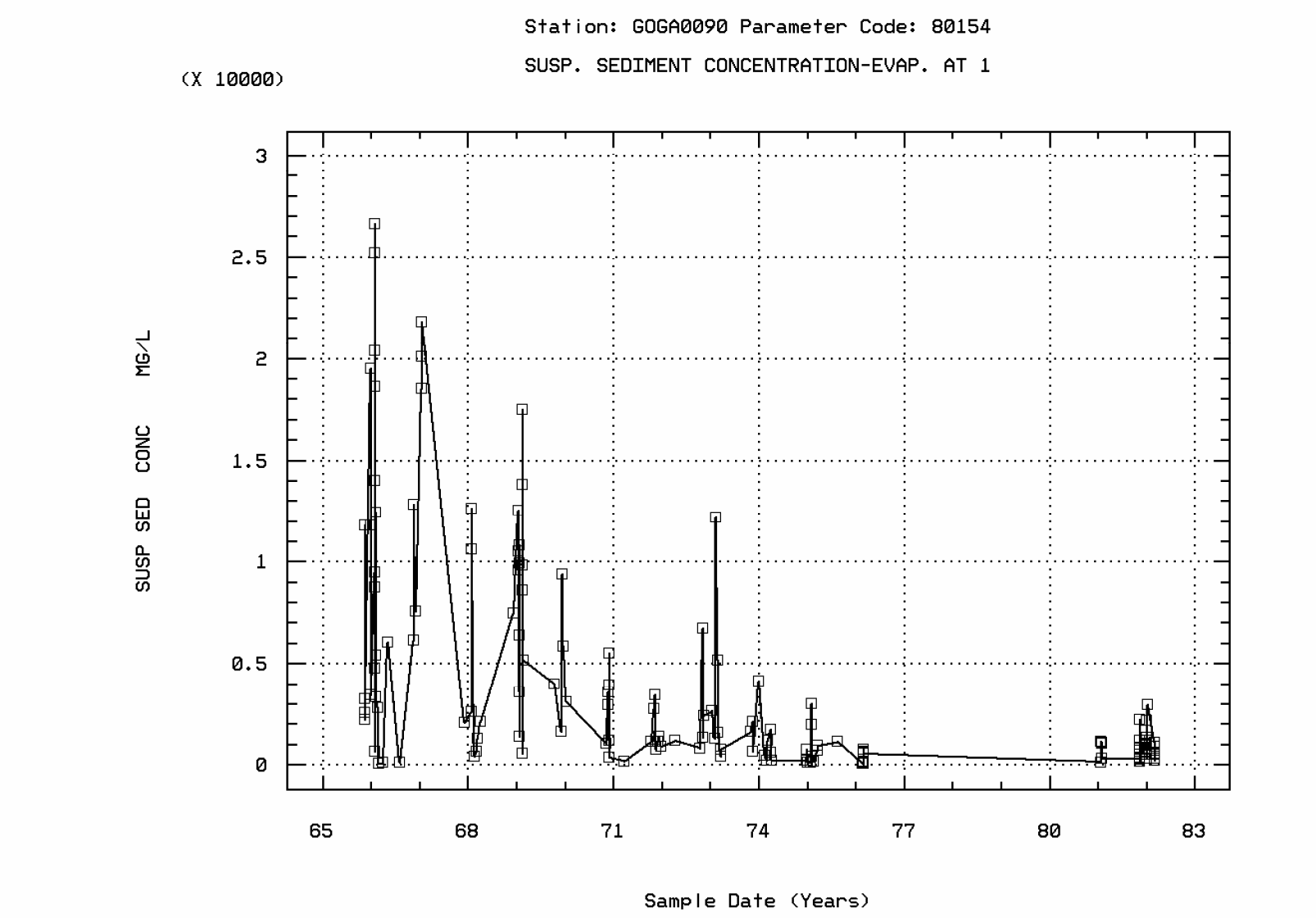
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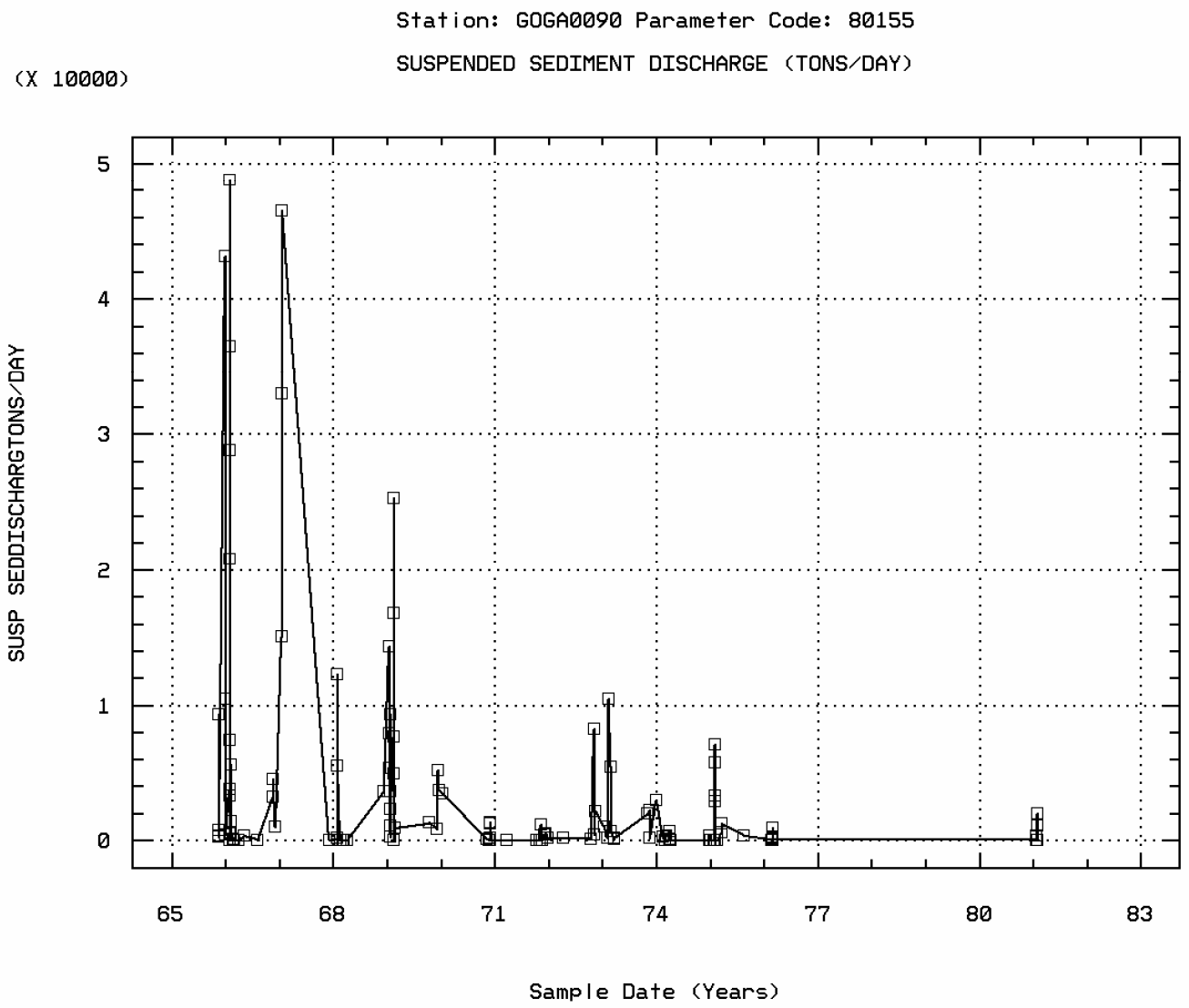
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Annual Analysis for 1965 - Station GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	5	12.8	12.1	13.3	9.4	2.43	1.559	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	7	3440.	7794.286	19500.	2200.	44552461.905	6674.763	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	7	756.	9238.429	43100.	237.	242974638.952	15587.644	**	**	**	**

** - 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 1966 - Station GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	20	9.4	11.125	22.8	8.3	17.217	4.149	8.3	8.3	13.35	19.5
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	20	6850.	9257.8	26600.	55.	66986163.221	8184.508	110.8	2915.	13700.	24720.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	20	2310.	8330.68	48800.	0.19	196535917.435	14019.127	0.21	119.25	7015.	35730.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	1	12.	12.	12.	12.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	4	19300.	15622.5	21800.	2090.	83206025.	9121.734	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	4	24050.	23651.975	46500.	7.9	413865458.936	20343.684	**	**	**	**

** - 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 1968 - Station GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	8	13.	13.125	20.	9.	17.554	4.19	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	8	2370.	4719.625	12600.	381.	23213333.696	4818.022	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	8	115.	2709.025	12300.	7.2	19398377.891	4404.359	**	**	**	**

** - 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 box-and-whisker plot

Annual Analysis for 1969 - Station GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	18	12.	12.528	15.5	11.	1.014	1.007	11.9	12.	13.	14.15
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	18	9005.	7827.278	17500.	531.	21222880.448	4606.83	1286.1	3885.	10575.	14170.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	18	4300.	6149.278	25300.	32.	45306744.918	6731.029	212.9	1013.5	8280.	17650.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	8	14.	13.563	18.5	9.	10.674	3.267	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	8	3030.	2703.625	5490.	359.	2990153.696	1729.206	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	8	142.5	798.125	3470.	23.	1463580.411	1209.785	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	8	13.25	13.063	17.5	9.	10.246	3.201	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	6	103.5	80.667	145.	2.	4127.867	64.248	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	8	1115.	1445.375	3420.	162.	1181937.982	1087.17	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	8	104.5	290.013	1180.	3.3	169513.418	411.72	**	**	**	**

** - 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 box-and-whisker plot

Annual Analysis for 1972 - Station GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	5	14.5	14.2	16.	13.	1.575	1.255	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	5	109.	193.6	455.	27.	34868.8	186.732	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	5	1330.	2495.4	6730.	797.	5964575.8	2442.248	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	5	391.	2200.8	8270.	58.	12203566.7	3493.36	**	**	**	**

** - 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 1973 - Station GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	9	13.	12.944	15.	11.	2.028	1.424	11.	11.5	14.25	15.
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	10	143.5	207.4	442.	48.	24738.711	157.285	48.	62.25	384.25	436.6
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	10	1610.	2842.8	12200.	392.	12674653.511	3560.148	418.4	719.	3275.	11495.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	10	807.	2218.2	10500.	51.	11141405.956	3337.874	59.3	157.25	2992.5	9990.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	9	12.	11.556	14.5	5.	9.215	3.036	5.	10.	14.25	14.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	9	107.	121.556	265.	20.	7037.278	83.888	20.	48.	191.	265.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	9	610.	1049.889	4140.	178.	1606224.861	1267.369	178.	213.	1455.	4140.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	9	270.	525.556	2960.	12.	882761.528	939.554	12.	34.	519.	2960.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	10	11.75	10.55	17.	6.5	11.747	3.427	6.55	7.	12.25	16.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	11	322.	343.091	886.	7.	101302.291	318.28	11.	29.	610.	849.2
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	11	929.	1223.273	3010.	108.	1201803.218	1096.268	108.4	161.	1970.	3004.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	11	617.	1928.918	7130.	2.2	6330975.038	2516.143	3.34	13.	3250.	6846.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	8	9.25	9.938	14.	6.	9.603	3.099	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	8	43.	113.125	563.	2.	35354.696	188.028	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	8	328.5	360.	743.	31.	89512.571	299.187	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	8	47.8	183.26	915.	0.18	97245.289	311.842	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	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 box-and-whisker plot

Annual Analysis for 1981 - Station GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	31	12.	13.226	15.	11.	2.164	1.471	12.	12.	15.	15.
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	31	354.	427.452	1060.	7.	96043.989	309.91	36.8	149.	665.	862.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	31	792.	793.774	2200.	96.	267487.181	517.192	163.8	313.	1050.	1304.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	6	172.5	562.133	1980.	1.7	639518.759	799.699	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	3	13.	14.	16.	13.	3.	1.732	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	7	119.	185.857	422.	9.	34440.476	185.581	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	7	542.	914.429	2930.	195.	882936.952	939.647	**	**	**	**

** - Less than 9 observations ## - Computed 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: 5/15 to 10/09 - Station GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	3	19.	19.6	22.8	17.	8.68	2.946	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	2	55.15	55.15	110.	0.3	6017.045	77.57	**	**	**	**
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/17/65-03/01/82	1	84.	84.	84.	84.	0.	0.	**	**	**	**
70332p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11/17/65-11/13/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70337p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/18/65-11/13/81	1	32.	32.	32.	32.	0.	0.	**	**	**	**
70338p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/17/65-11/13/81	1	46.	46.	46.	46.	0.	0.	**	**	**	**
70339p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	11/18/65-11/13/81	1	61.	61.	61.	61.	0.	0.	**	**	**	**
70340p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/17/65-11/13/81	1	73.	73.	73.	73.	0.	0.	**	**	**	**
70341p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	11/18/65-11/13/81	1	86.	86.	86.	86.	0.	0.	**	**	**	**
70342p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/18/65-01/27/81	1	95.	95.	95.	95.	0.	0.	**	**	**	**
70343p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/18/65-01/27/81	1	99.	99.	99.	99.	0.	0.	**	**	**	**
70344p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/18/65-01/27/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	2	610.	610.	1110.	110.	500000.	707.107	**	**	**	**
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	2	165.105	165.105	330.	0.21	54380.722	233.197	**	**	**	**

** - 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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	68	13.	13.068	18.5	5.	4.891	2.212	10.	12.	15.	15.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	43	323.	346.163	1060.	2.	86589.235	294.26	27.	103.	556.	787.6
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/17/65-03/01/82	40	58.5	64.35	100.	33.	369.362	19.219	39.7	49.25	74.75	97.6
70332p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11/17/65-11/13/81	15	89.	89.4	100.	74.	72.829	8.534	74.	84.	97.	99.4
70333p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	11/17/65-11/13/81	14	99.	97.643	100.	90.	10.401	3.225	90.5	97.5	100.	100.
70334p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	11/17/65-11/13/81	10	100.	99.7	100.	99.	0.233	0.483	99.	99.	100.	100.
70337p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/18/65-11/13/81	38	22.	25.211	71.	9.	204.873	14.313	9.9	14.	35.	43.6
70338p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/17/65-11/13/81	41	30.	34.805	82.	10.	416.861	20.417	12.	18.	47.	70.6
70339p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	11/18/65-11/13/81	38	33.5	39.211	90.	12.	458.279	21.407	16.9	21.	52.25	72.9
70340p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/17/65-11/13/81	41	46.	50.561	98.	17.	613.952	24.778	22.2	27.5	69.	92.2
70341p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	11/18/65-11/13/81	38	54.5	55.921	99.	28.	469.372	21.665	31.8	34.75	70.5	93.3
70342p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/18/65-01/27/81	31	61.	62.871	98.	32.	235.649	15.351	44.	51.	73.	86.8
70343p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/18/65-01/27/81	31	89.	85.129	98.	62.	101.849	10.092	67.6	79.	92.	96.
70344p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/18/65-01/27/81	31	98.	98.032	100.	91.	4.232	2.057	95.2	97.	100.	100.
70345p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/18/65-01/27/81	23	100.	99.696	100.	98.	0.312	0.559	99.	99.	100.	100.
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	71	1330.	3122.465	19500.	108.	14770272.252	3843.211	322.2	769.	3580.	9528.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	45	828.	3171.931	43100.	3.3	47574156.18	6897.402	10.36	137.5	3555.	8682.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/65-03/01/82	73	12.	11.488	20.	6.	8.391	2.897	8.	9.	13.	14.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/05/71-03/01/82	43	106.	205.953	886.	2.	53687.283	231.705	8.4	32.	371.	591.2
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/17/65-03/01/82	38	89.	76.711	99.	24.	560.86	23.682	36.5	59.	94.	98.
70332p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11/17/65-11/13/81	28	95.	91.321	100.	46.	139.634	11.817	76.8	90.	98.75	100.
70333p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	11/17/65-11/13/81	23	99.	98.087	100.	91.	4.81	2.193	95.	97.	100.	100.
70334p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	11/17/65-11/13/81	16	100.	99.938	100.	99.	0.063	0.25	99.7	100.	100.	100.
70337p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/18/65-11/13/81	47	23.	28.404	92.	7.	346.724	18.621	9.8	15.	40.	52.4
70338p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/17/65-11/13/81	48	28.	34.708	95.	8.	459.275	21.431	11.	19.	51.	68.
70339p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	11/18/65-11/13/81	47	34.	41.234	98.	11.	579.922	24.082	14.	23.	60.	76.4
70340p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/17/65-11/13/81	48	40.	48.688	100.	17.	614.985	24.799	19.	30.	73.75	84.5
70341p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	11/18/65-11/13/81	46	45.	54.087	98.	22.	545.103	23.347	27.	35.75	79.75	90.6
70342p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	11/18/65-01/27/81	42	52.5	54.929	92.	30.	172.214	13.123	41.6	45.75	64.	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

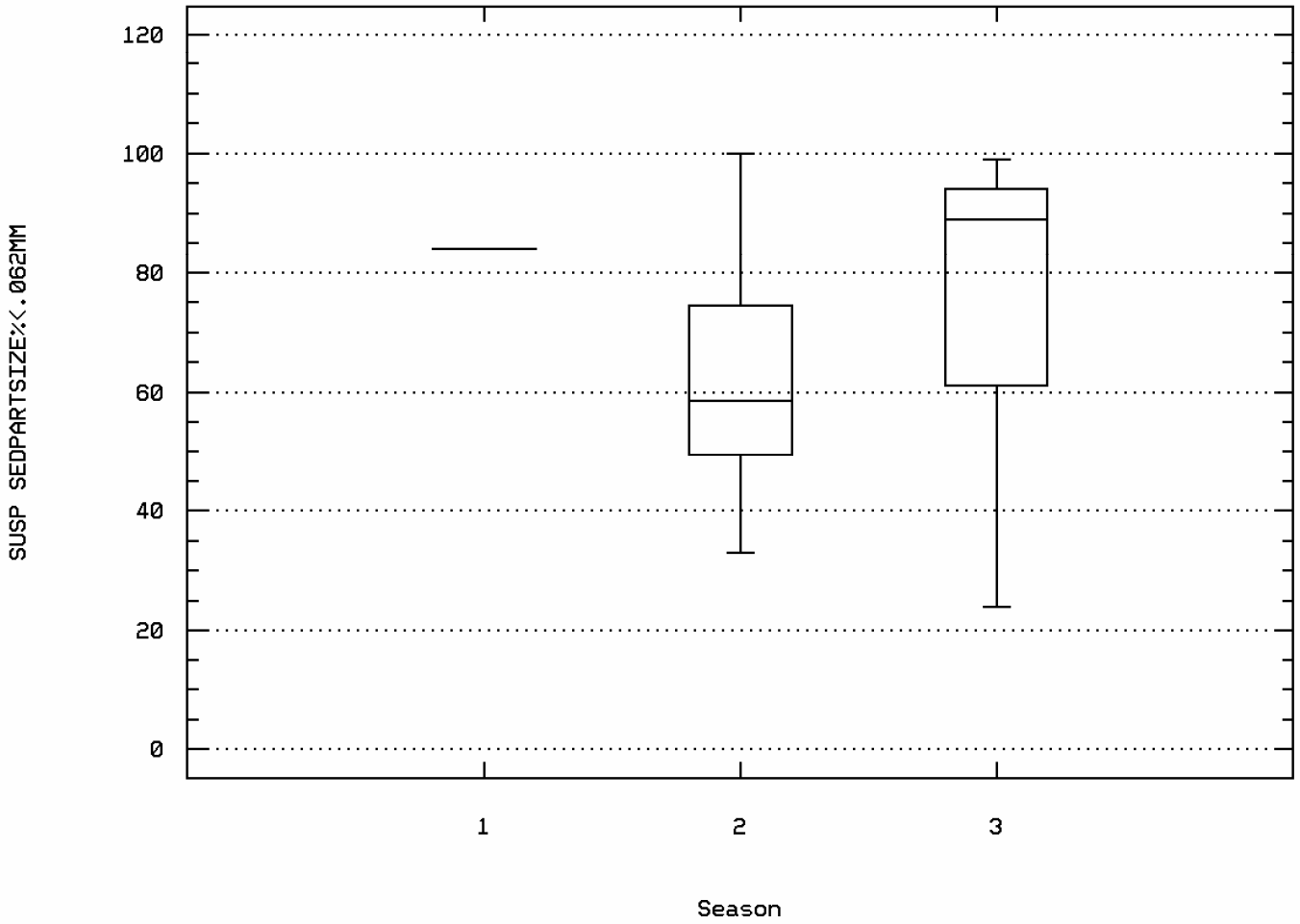
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70343p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	11/18/65-01/27/81	42	81.5	79.595	98.	45.	126.1	11.229	63.	75.5	88.25	91.
70344p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	11/18/65-01/27/81	42	98.	96.524	100.	85.	14.256	3.776	89.3	96.75	99.	99.7
70345p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	11/18/65-01/27/81	38	100.	99.684	100.	94.	1.033	1.016	99.	100.	100.	100.
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/17/65-03/01/82	81	1290.	4800.358	26600.	31.	44519569.958	6672.299	120.	480.5	7490.	16800.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/17/65-01/27/81	75	591.	5171.476	48800.	0.18	109590490.705	10468.548	4.74	38.	5400.	18400.

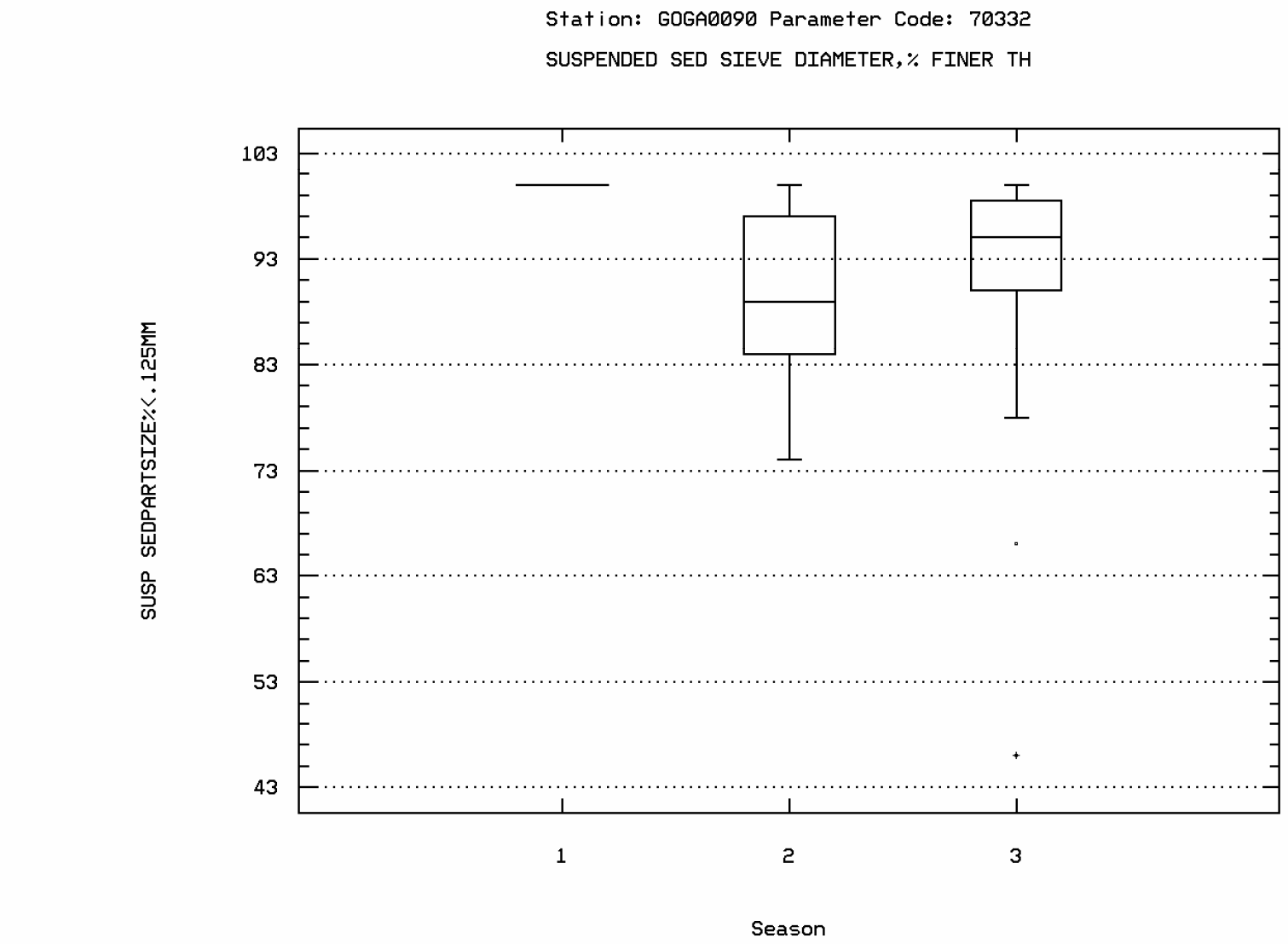
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GOGA0090 Parameter Code: 70331

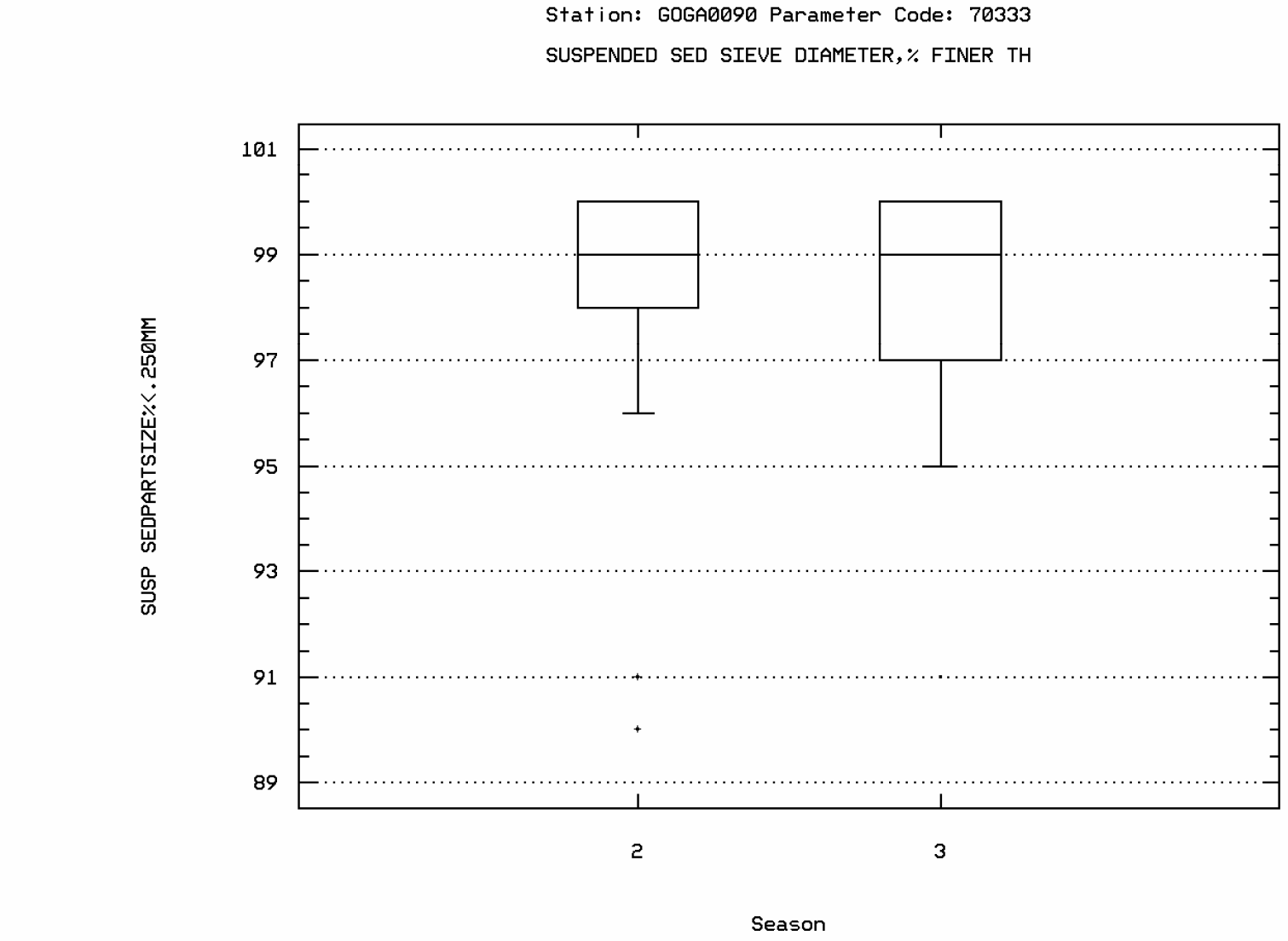
SUSPENDED SED SIEVE DIAMETER,% FINER TH



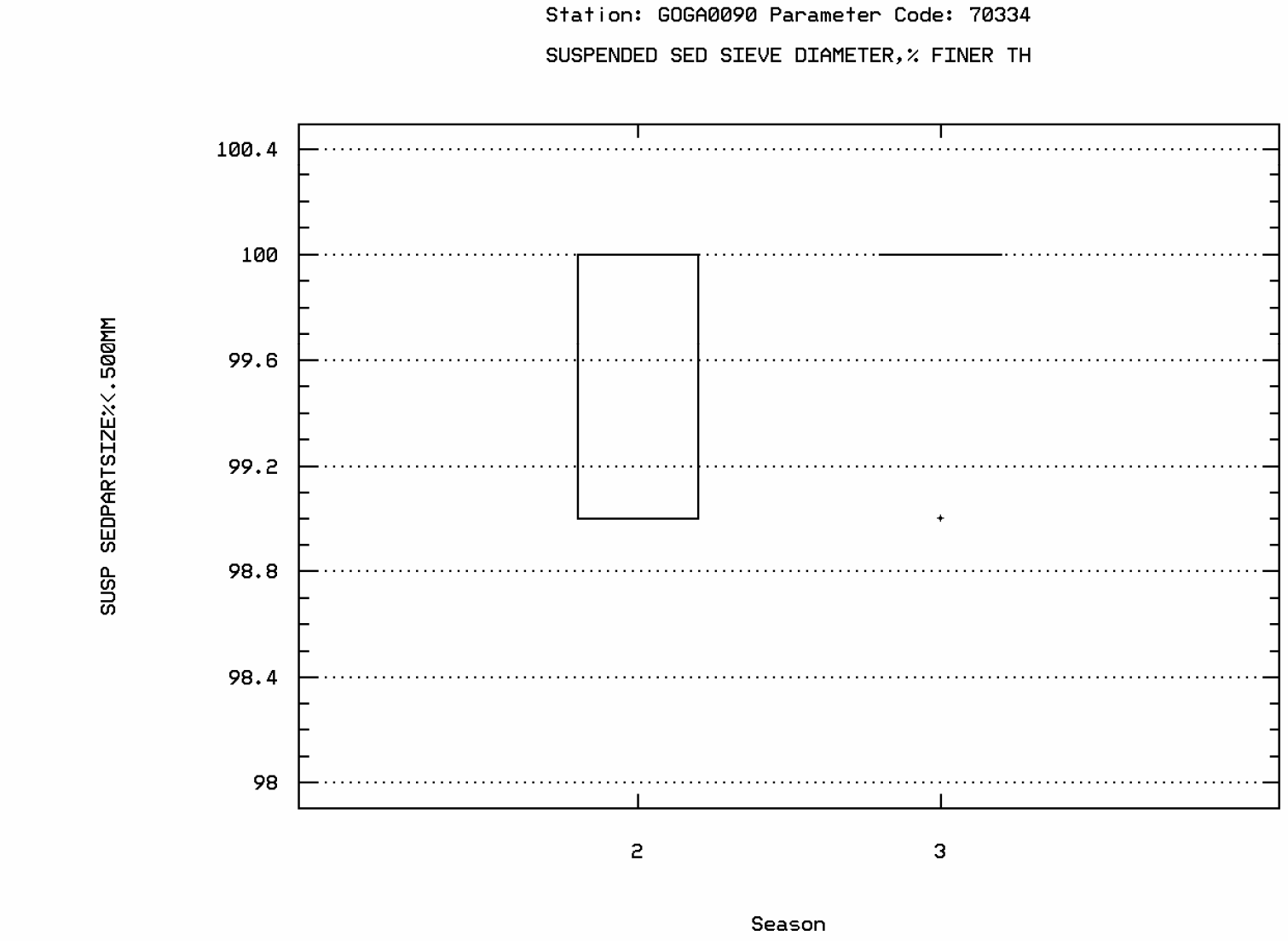
COLMA C A SOUTH SAN FRANCISCO CA



COLMA C A SOUTH SAN FRANCISCO CA



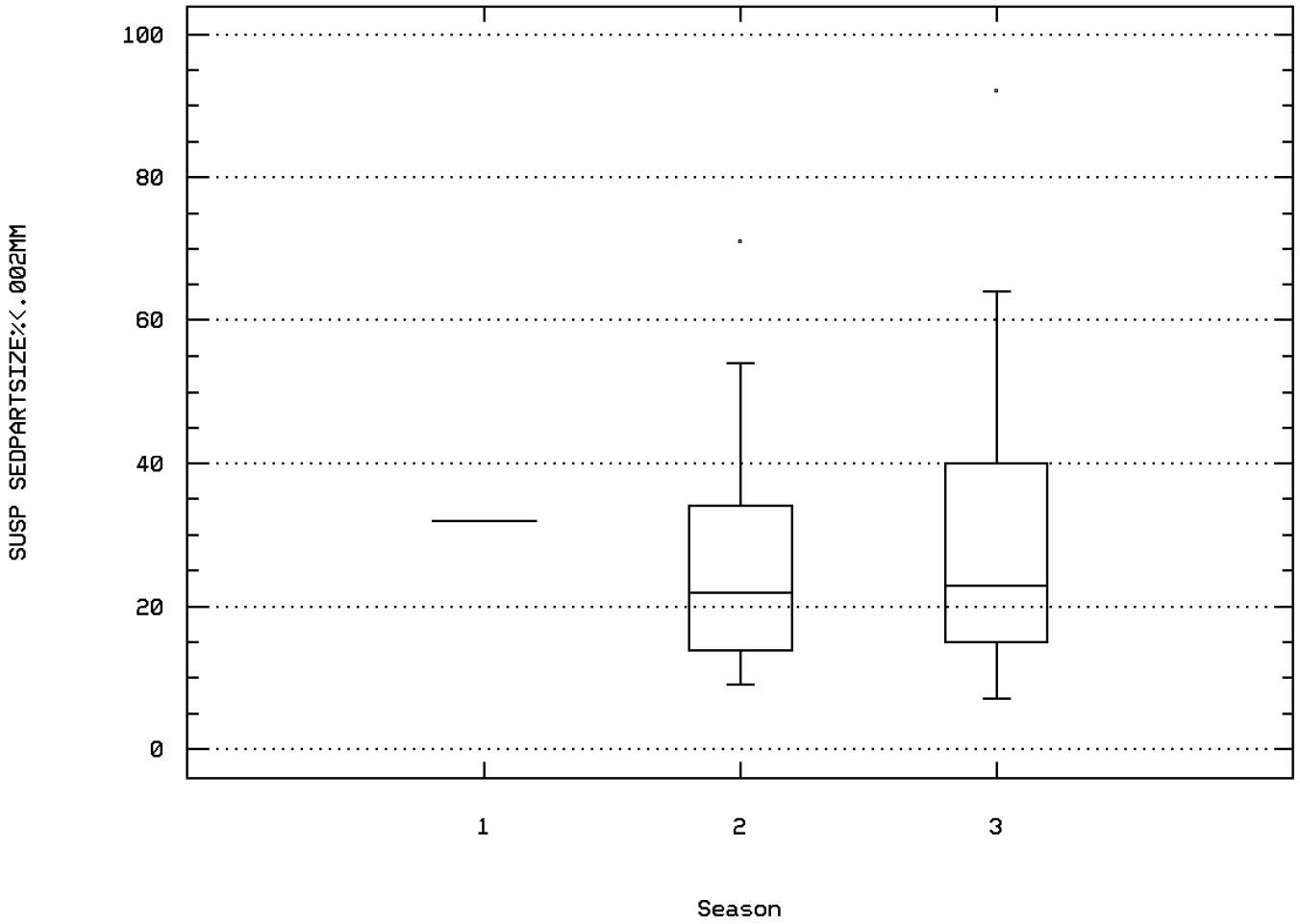
COLMA C A SOUTH SAN FRANCISCO CA



COLMA C A SOUTH SAN FRANCISCO CA

Station: GOGA0090 Parameter Code: 70337

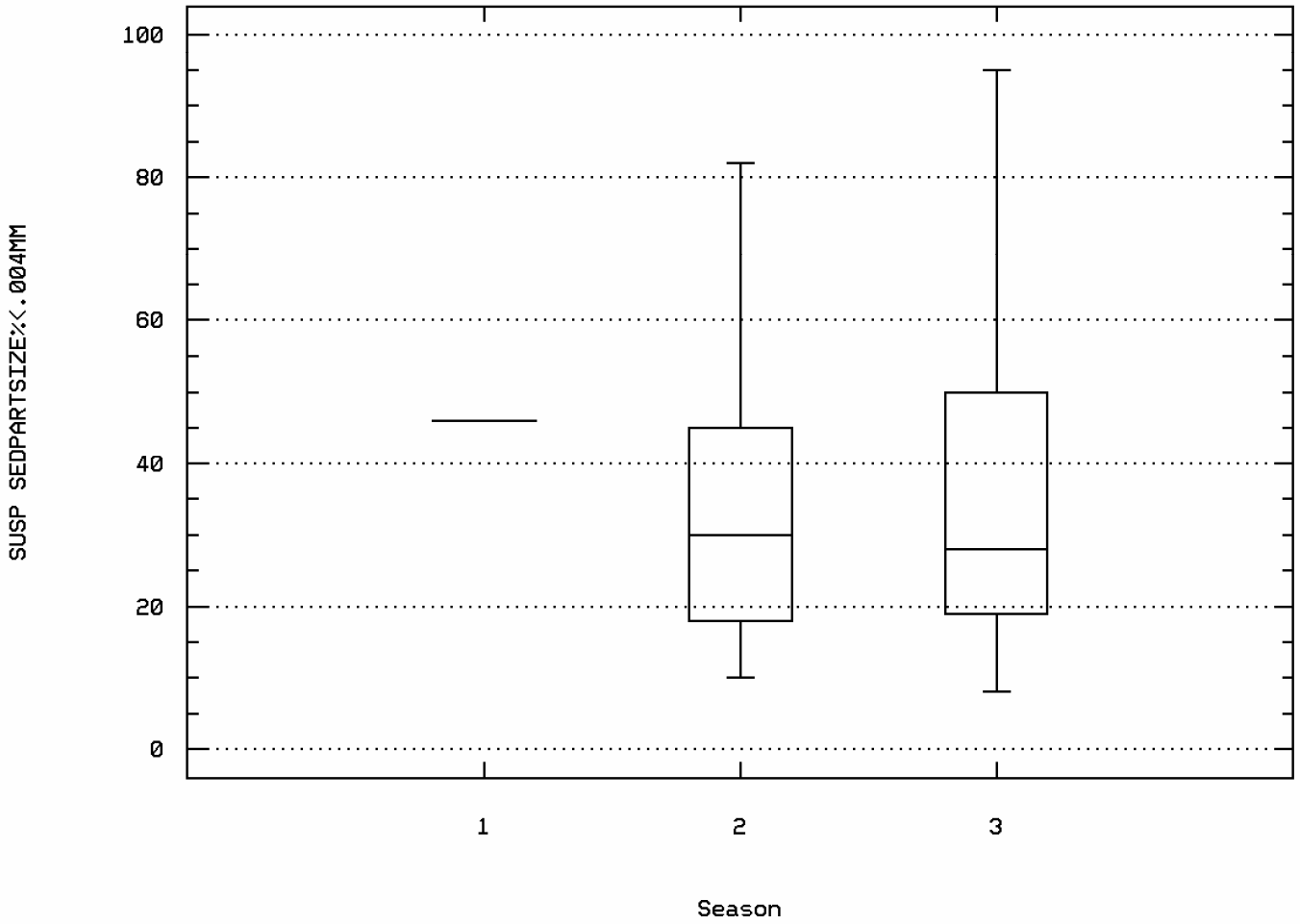
SUS SED FALL DIA(DISTLD WATER)%FINER TH



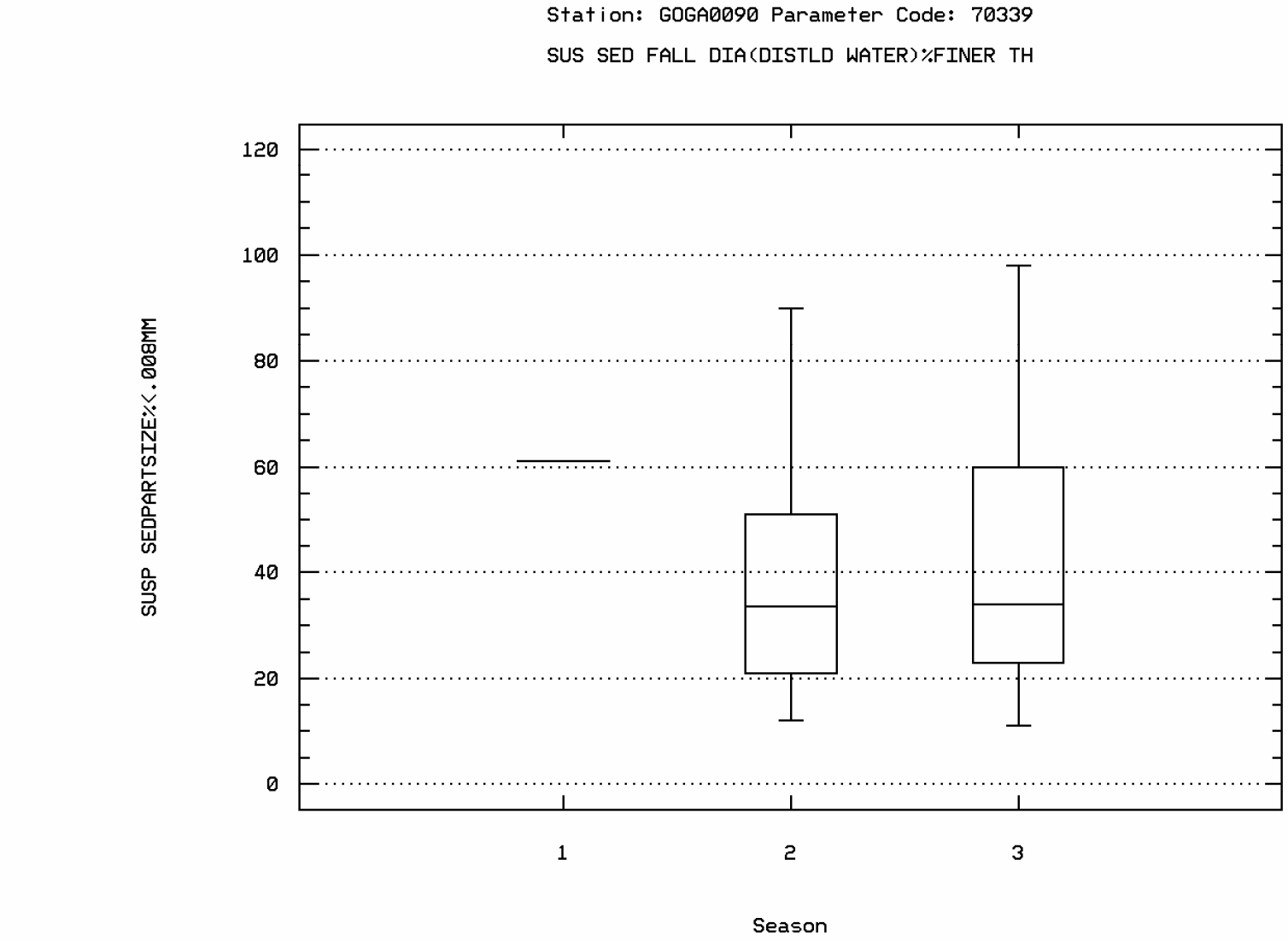
COLMA C A SOUTH SAN FRANCISCO CA

Station: GOGA0090 Parameter Code: 70338

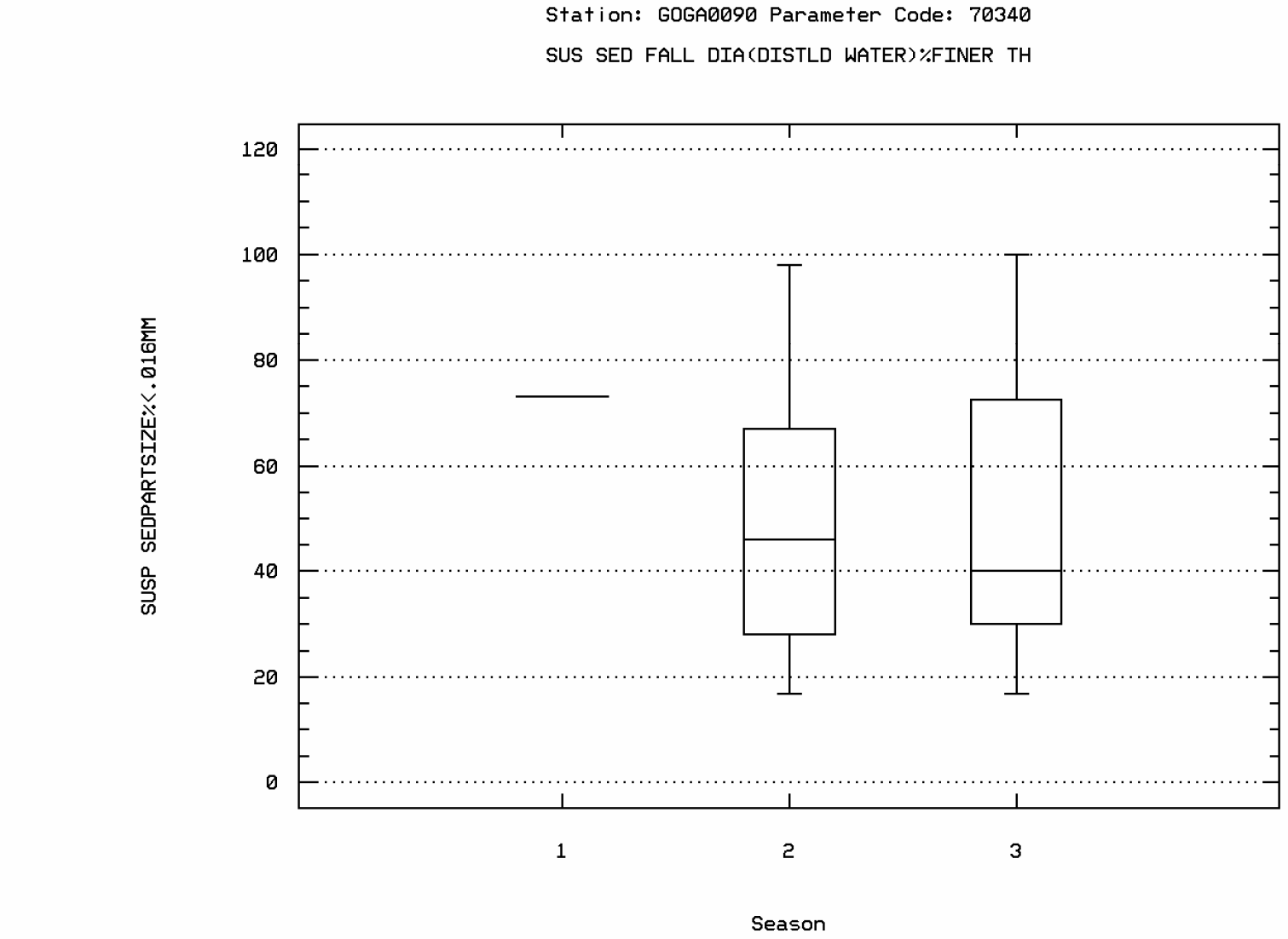
SUS SED FALL DIA(DISTLD WATER)%FINER TH



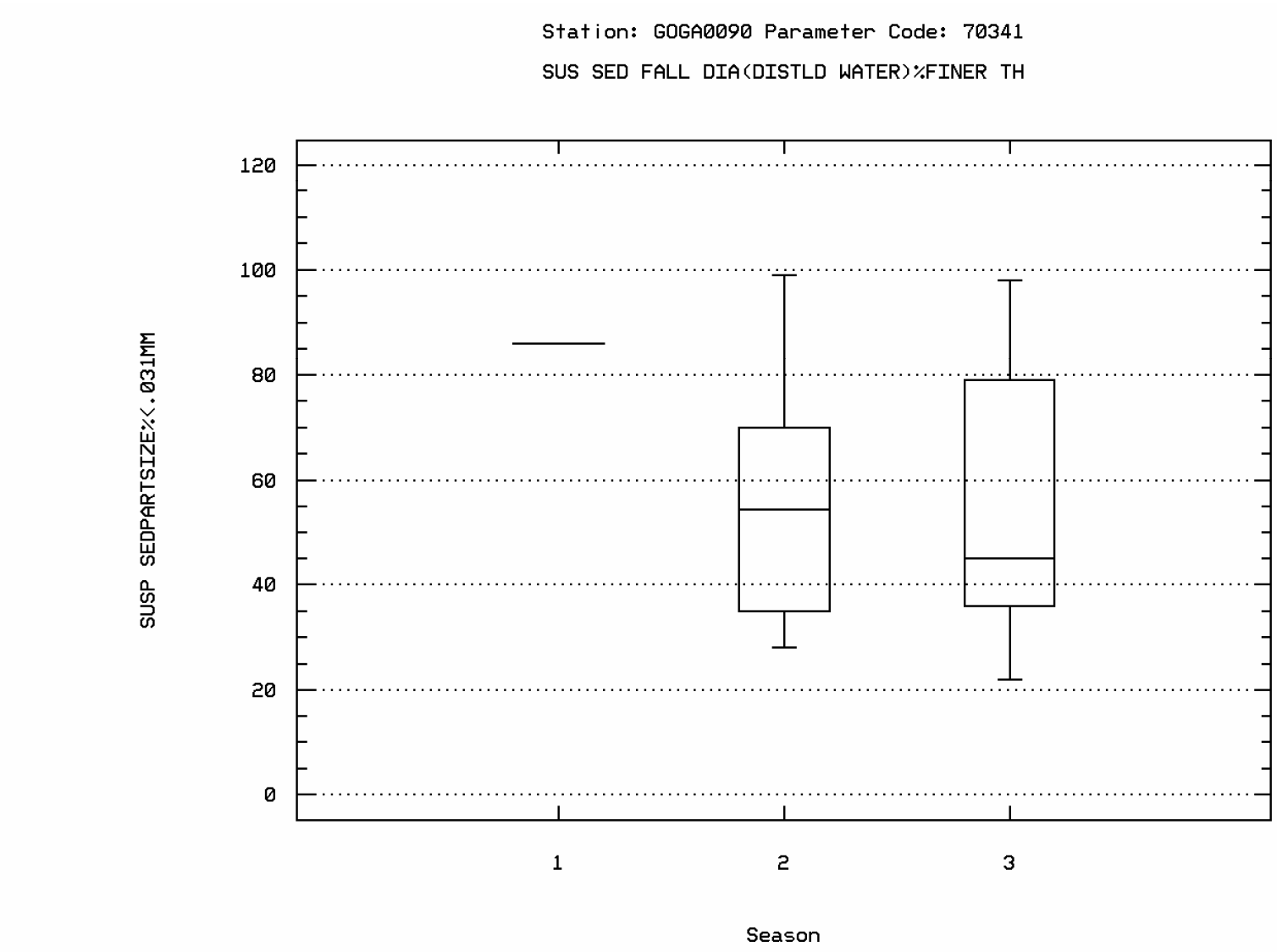
COLMA C A SOUTH SAN FRANCISCO CA



COLMA C A SOUTH SAN FRANCISCO CA



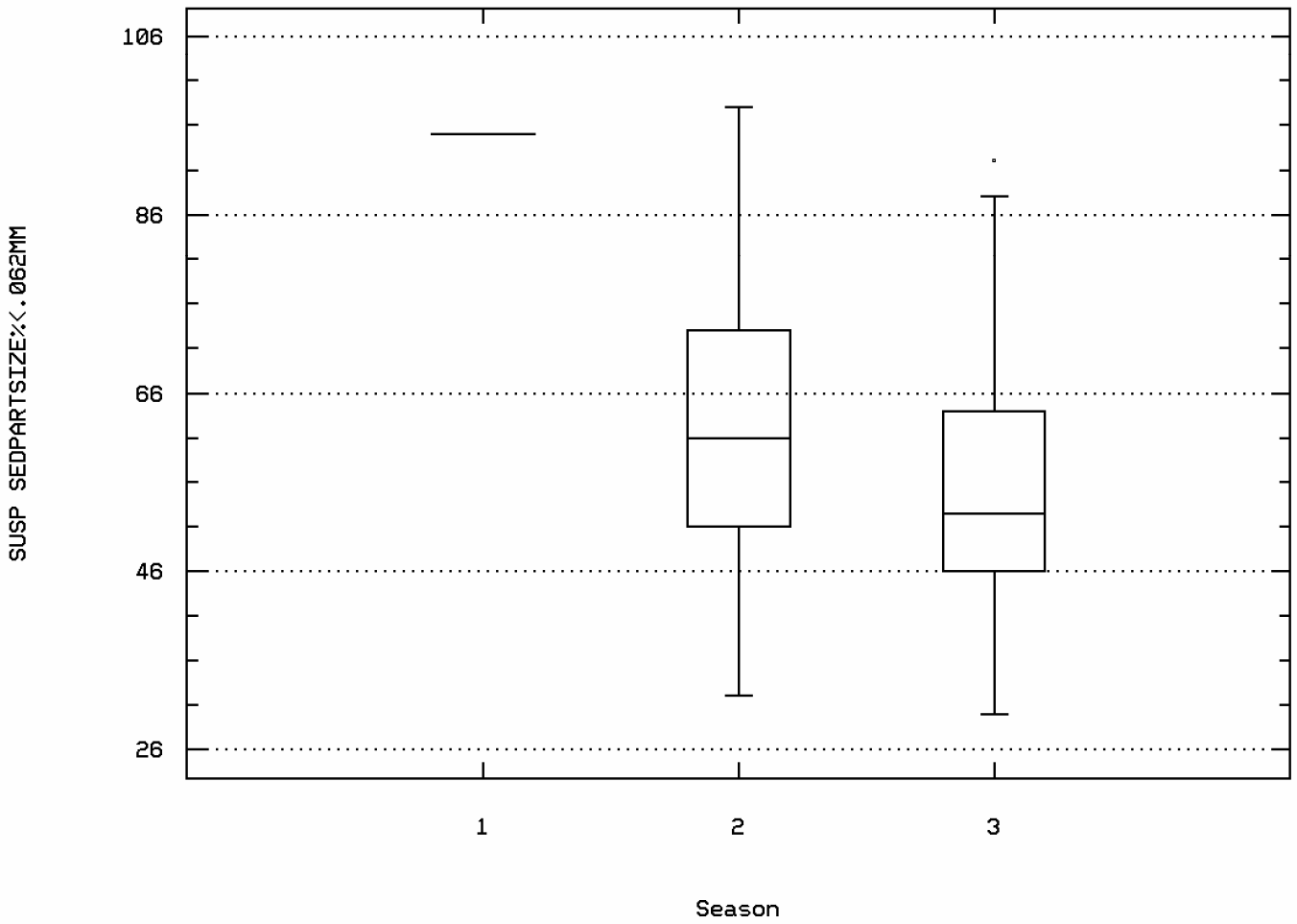
COLMA C A SOUTH SAN FRANCISCO CA



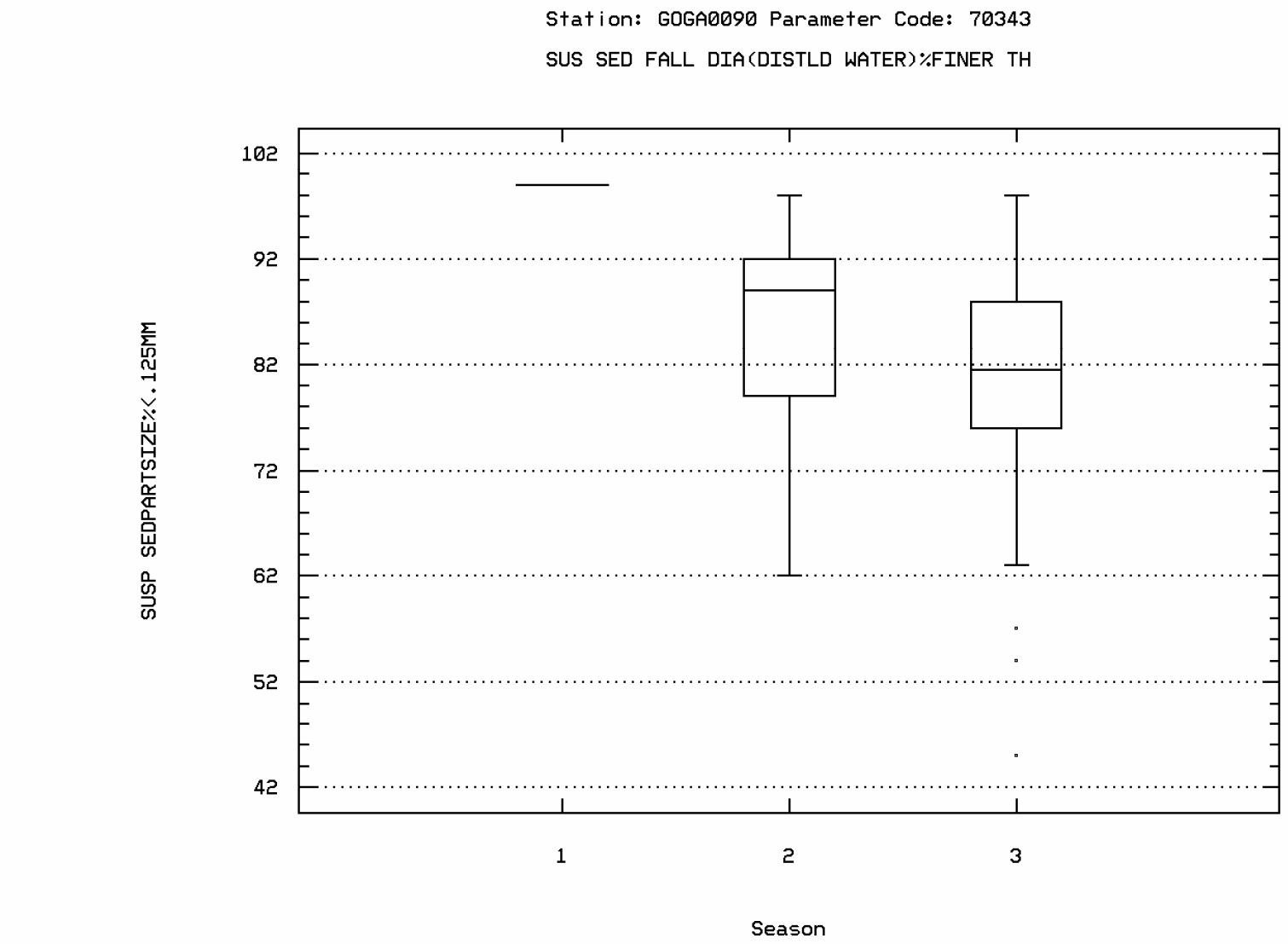
COLMA C A SOUTH SAN FRANCISCO CA

Station: GOGA0090 Parameter Code: 70342

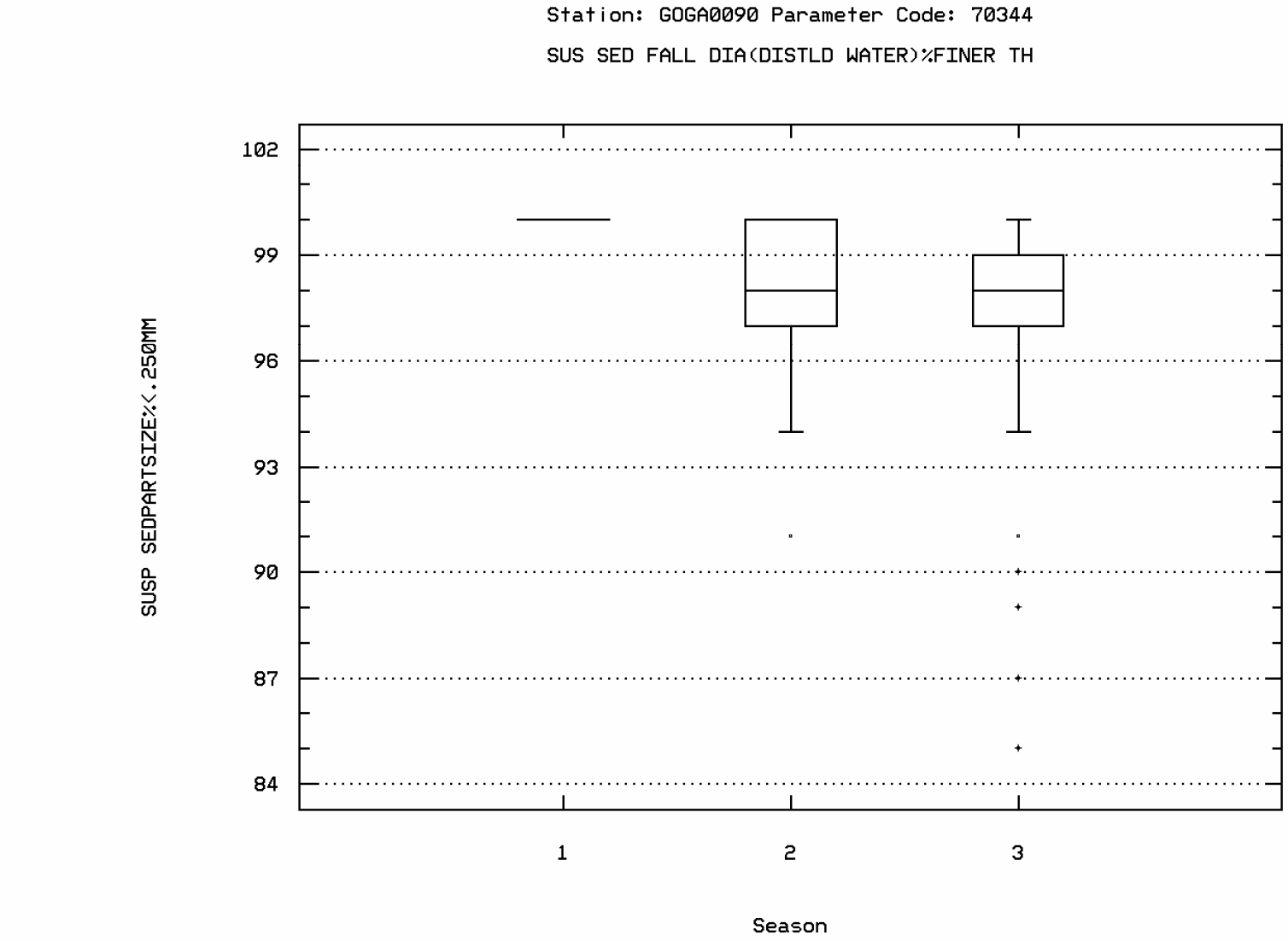
SUS SED FALL DIA(DISTLD WATER)%FINER TH



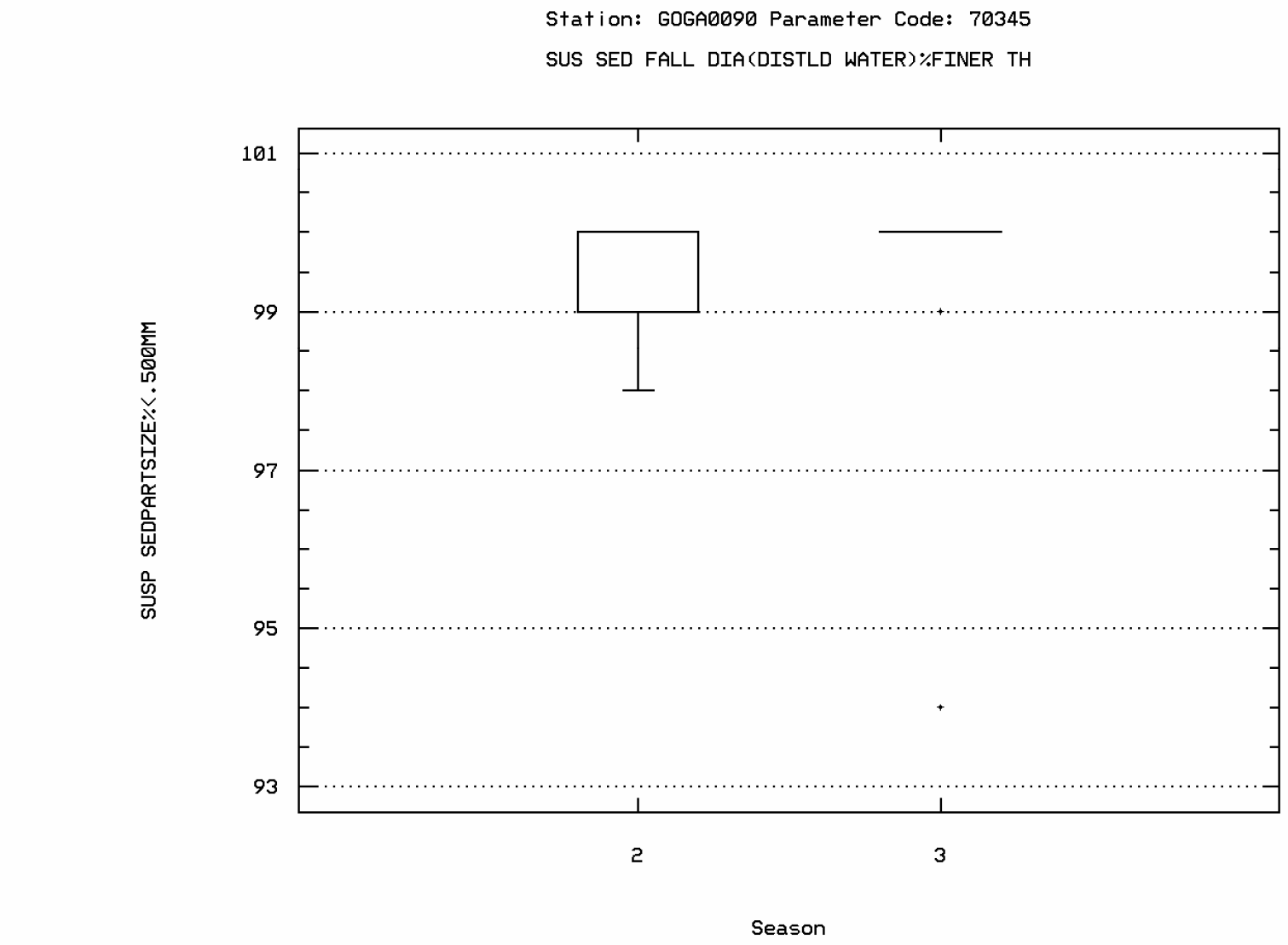
COLMA C A SOUTH SAN FRANCISCO CA



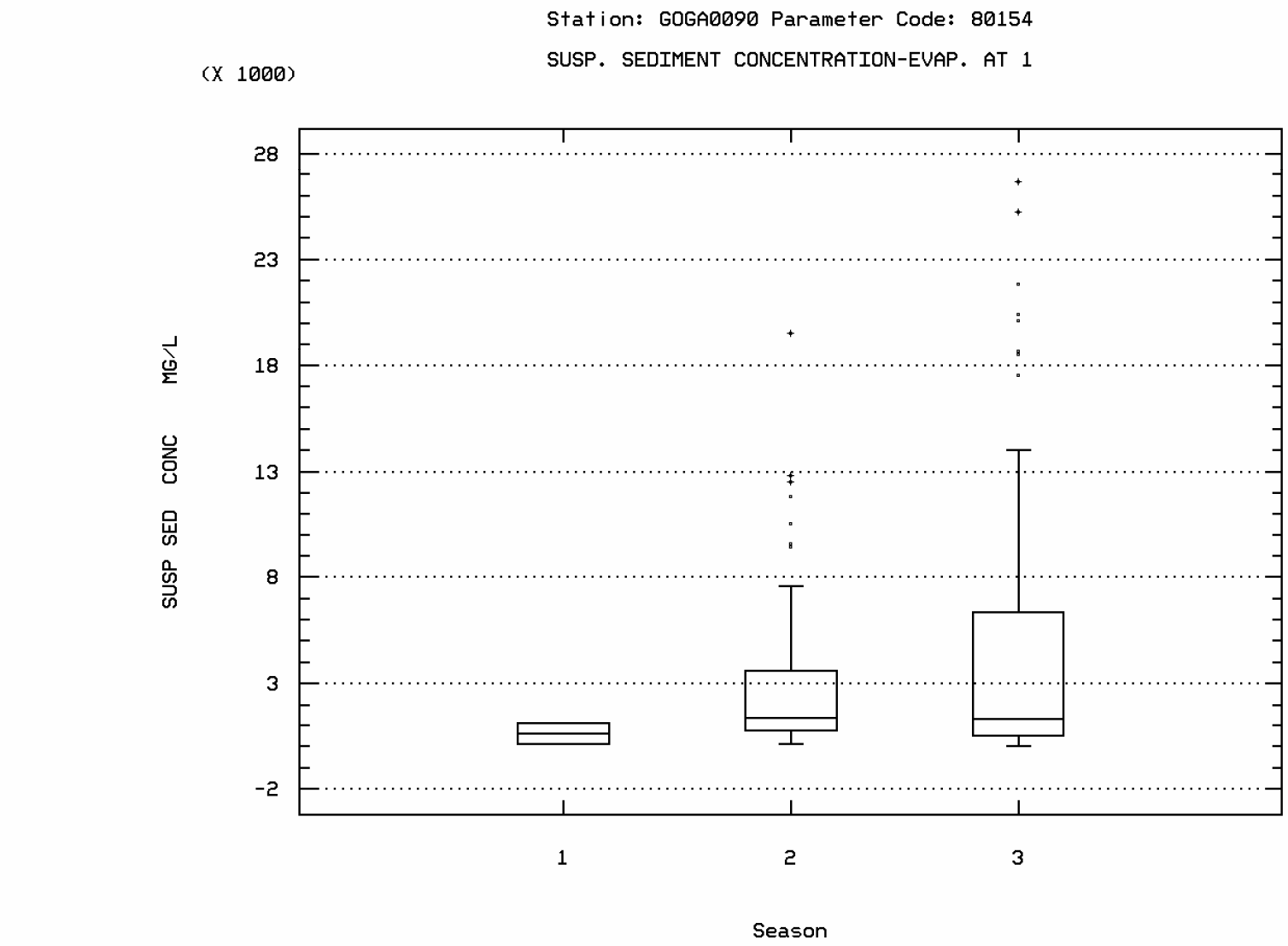
COLMA C A SOUTH SAN FRANCISCO CA



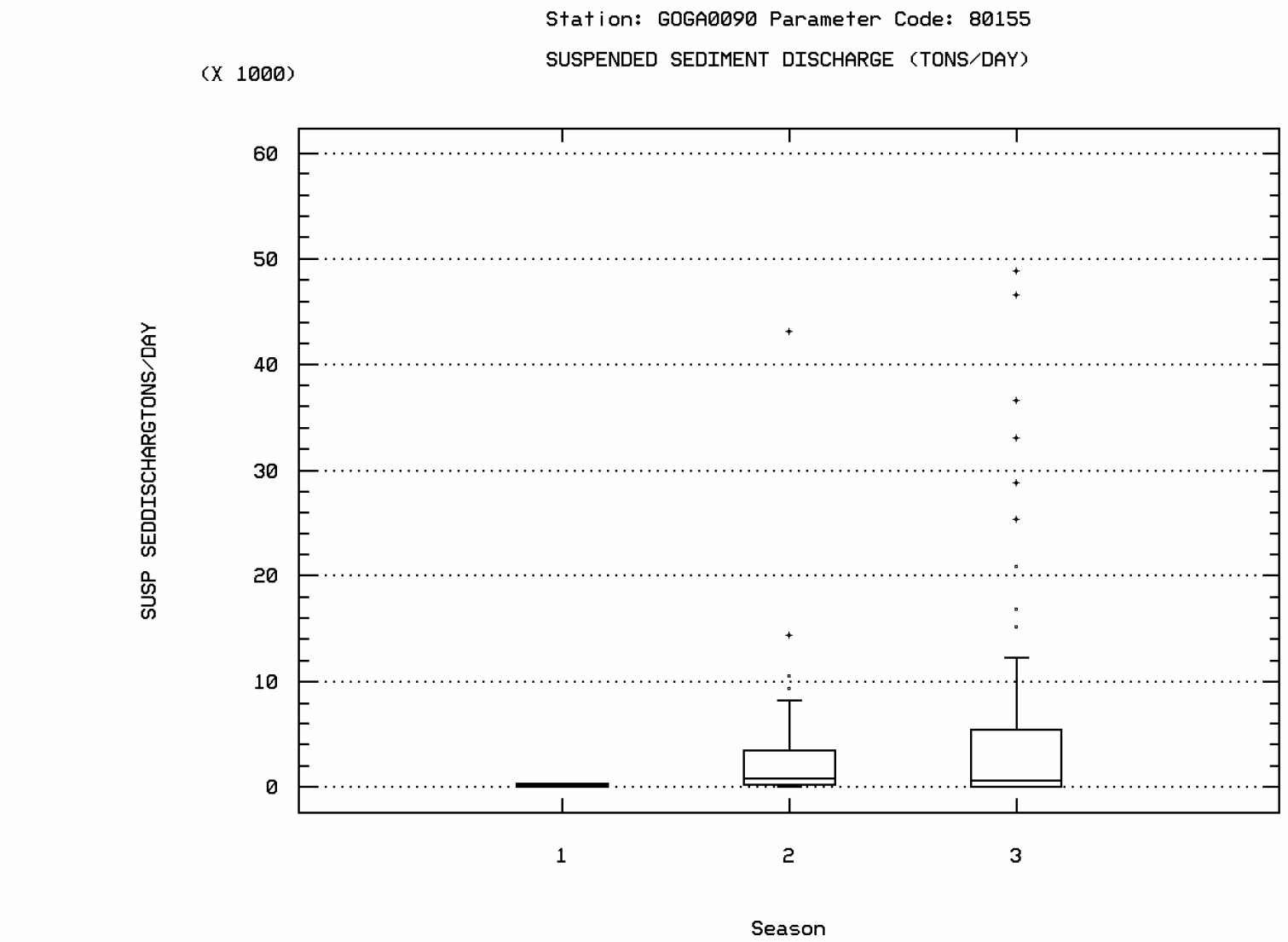
COLMA C A SOUTH SAN FRANCISCO CA



COLMA C A SOUTH SAN FRANCISCO CA



COLMA C A SOUTH SAN FRANCISCO CA



COLMA C A SOUTH SAN FRANCISCO CA

Station Inventory for Station: GOGA0091

NPS Station ID: GOGA0091
LAT/LON: 37.653889/-122.425286
Agency: 21CAL-1
Date Created: 04/26/86
Location: COLOMA C A SOUTH SAN FRANCISCO
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E7250000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY BASIN
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 12.60
On/Off RF1:
RF3 Index: 18050003098800.00
RF3 Mile Point: 0.00
Distance from RF3: 1.21
On/Off RF3:
Description:
COLOMA C A SOUTH SAN FRANCISCO

Parameter Inventory for Station: GOGA0091

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: GOGA0092

NPS Station ID: GOGA0092 LAT/LON: 37.666659/-122.537505 Agency: 11NPSWRD Date Created: 12/31/99
Location: PACIFIC OCEAN 2 1/2 MI SOUTH OF OUTFALL DIFFUSER FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM06
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, OUTSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN THE PACIFIC OCEAN 1 1/2 MI SOUTH OF SOUTHWEST OCEAN OUTFALL DIFFUSER (SWOO). THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SWOO WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	355	12.3	12.089	15.7	8.9	2.197	1.482	10.	11.	13.1	14.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/14/90-12/01/92	87	19.	29.304	74.9	0.7	587.093	24.23	5.504	7.64	46.6	69.16
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	28	3.75	20.971	480.	1.9	8095.28	89.974	2.17	2.8	5.275	6.35
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	342	50300.	41482.401	57600.	36.313	29817408.952	18160.876	40.751	39477.5	51300.	52300.
00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	316	7.43	7.081	12.22	3.09	2.699	1.643	4.844	6.092	8.21	8.726
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	03/14/90-12/03/91	106	37880.	38588.396	43600.	35600.	4022975.499	2005.736	35900.	37387.5	40257.5	41450.
00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	342	7.975	7.932	8.8	7.19	0.097	0.311	7.47	7.708	8.16	8.257
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/14/90-12/03/96	342	7.975	7.819	8.8	7.19	0.11	0.331	7.47	7.708	8.16	8.257
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/90-12/03/96	342	0.011	0.015	0.065	0.002	0.	0.012	0.006	0.007	0.02	0.034
00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	355	33.5	33.906	38.8	30.	2.265	1.505	32.6	33.	34.42	36.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	84	0.05	0.068	0.39	0.005	0.007	0.082	0.01	0.02	0.07	0.15
00746	SULFIDE, DISSOLVED (MG/L AS S)	03/14/90-12/03/96	28 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	84 ##	2.5	2.625	6.	1.	0.451	0.672	2.5	2.5	2.5	2.5
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	84	12.	11.464	58.6	2.	62.811	7.925	2.5	6.	15.	18.
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	03/14/90-12/05/95	303	25.9	26.01	30.	23.3	0.927	0.963	25.094	25.6	26.35	26.8

** - 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: GOGA0092

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	316	17	0.05	103	17	0.17	121	0	0.00	92	0	0.00			
00406	PH, FIELD	Marine Chronic	8.5	342	5	0.01	119	5	0.04	131	0	0.00	92	0	0.00			
		Other-Lo Lim.	6.5	342	0	0.00	119	0	0.00	131	0	0.00	92	0	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 1990 - Station GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	53	10.8	10.758	13.2	9.5	0.764	0.874	9.8	10.2	11.	12.24
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	53	51100.	51807.547	57600.	48700.	9828788.099	3135.09	48940.	49500.	53950.	57200.
00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	53	6.	6.185	9.96	3.11	2.704	1.644	4.216	4.92	7.725	8.42
00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	53	7.51	7.566	8.	7.33	0.033	0.182	7.37	7.38	7.705	7.826
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/14/90-12/03/96	53	7.51	7.532	8.	7.33	0.034	0.185	7.37	7.38	7.705	7.826
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/90-12/03/96	53	0.031	0.029	0.047	0.01	0.	0.011	0.015	0.02	0.042	0.043
00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	53	33.9	34.404	38.8	32.1	5.372	2.318	32.34	32.7	35.9	38.46
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	12	0.045	0.099	0.33	0.01	0.015	0.121	0.01	0.025	0.18	0.33
03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	12	7.	10.5	30.	2.5	68.045	8.249	2.5	6.	14.25	27.6
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	03/14/90-12/05/95	53	26.	26.375	30.	24.4	3.289	1.814	24.8	25.	27.35	29.66

** - 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 1991 - Station GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	53	11.3	11.662	14.9	9.3	2.105	1.451	9.4	10.7	13.	13.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	53	51900.	51771.698	52900.	50500.	255145.138	505.119	51300.	51400.	52100.	52300.
00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	17	6.45	6.743	9.08	4.88	1.902	1.379	5.024	5.41	7.675	8.952
00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	40	7.54	7.556	8.06	7.19	0.047	0.217	7.28	7.38	7.64	7.942
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/14/90-12/03/96	40	7.54	7.508	8.06	7.19	0.049	0.222	7.28	7.38	7.64	7.942
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/90-12/03/96	40	0.029	0.031	0.065	0.009	0.	0.014	0.011	0.023	0.042	0.052
00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	53	34.3	34.295	35.26	33.39	0.144	0.38	33.88	34.07	34.53	34.776
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	12	0.045	0.07	0.28	0.01	0.006	0.075	0.015	0.025	0.085	0.238
03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	12	7.5	8.708	21.	2.5	34.703	5.891	2.5	3.125	13.	19.5
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	03/14/90-12/05/95	53	26.1	26.113	27.27	25.1	0.192	0.438	25.612	25.795	26.25	26.79

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	51	13.9	13.755	15.7	12.3	0.504	0.71	13.	13.1	14.	14.66
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	51	50600.	51264.706	52600.	49600.	872729.412	934.2	50320.	50600.	52400.	52480.
00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	51	8.15	7.932	9.26	6.07	0.651	0.807	6.426	7.53	8.52	8.774
00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	51	8.12	8.08	8.26	7.78	0.016	0.127	7.878	7.98	8.19	8.22
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/14/90-12/03/96	51	8.12	8.061	8.26	7.78	0.017	0.129	7.878	7.98	8.19	8.22
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/90-12/03/96	51	0.008	0.009	0.017	0.005	0.	0.003	0.006	0.006	0.01	0.013
00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	51	33.2	33.682	34.7	32.5	0.505	0.711	33.	33.2	34.5	34.68
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	12	0.02	0.03	0.07	0.005	0.	0.022	0.005	0.02	0.053	0.067
03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	12	6.	8.333	17.	2.	28.242	5.314	2.	5.	14.25	16.7
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	03/14/90-12/05/95	51	25.9	26.127	27.1	25.1	0.379	0.615	25.2	25.7	26.8	26.9

** - 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 1993 - Station GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	53	13.	12.66	14.	9.	2.575	1.605	9.	13.	14.	14.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	53	50100.	47462.264	51400.	39700.	21148933.237	4598.797	39900.	40400.	50400.	51300.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	53	7.8	7.387	9.6	3.4	2.873	1.695	3.44	7.05	8.7	9.
00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	53	8.15	8.017	8.24	7.6	0.039	0.199	7.61	7.92	8.17	8.21
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/14/90-12/03/96	53	8.15	7.967	8.24	7.6	0.042	0.205	7.61	7.92	8.17	8.21
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/90-12/03/96	53	0.007	0.011	0.025	0.006	0.	0.006	0.006	0.007	0.012	0.025
00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	53	33.	32.868	34.	30.	0.54	0.735	32.	33.	33.	33.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	12	0.095	0.108	0.39	0.01	0.011	0.103	0.01	0.02	0.14	0.321
03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	12 ##	2.5	2.708	5.	2.5	0.521	0.722	2.5	2.5	2.5	4.25
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	12	7.	8.542	22.	2.5	44.157	6.645	2.5	2.5	13.5	20.2
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	03/14/90-12/05/95	53	25.7	25.66	26.7	23.3	0.45	0.671	24.88	25.6	25.9	26.6

** - 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 1994 - Station GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	41	11.7	11.988	14.2	9.2	1.295	1.138	10.9	11.15	12.8	14.06
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	41	50600.	50148.78	51200.	46700.	1371060.976	1170.923	47640.	50100.	50800.	51100.
00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	38	7.535	7.06	8.79	4.14	2.304	1.518	4.246	6.37	8.403	8.638
00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	41	7.95	8.008	8.25	7.77	0.026	0.161	7.772	7.87	8.19	8.21
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/14/90-12/03/96	41	7.95	7.98	8.25	7.77	0.027	0.163	7.772	7.87	8.19	8.21
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/90-12/03/96	41	0.011	0.01	0.017	0.006	0.	0.004	0.006	0.006	0.013	0.017
00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	41	33.1	32.941	33.6	30.8	0.369	0.607	32.28	32.9	33.2	33.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	12 ##	0.03	0.077	0.34	0.01	0.011	0.106	0.01	0.01	0.093	0.31
03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	12	2.5	2.875	5.	1.	1.688	1.299	1.	2.	4.	4.7
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	12	14.	14.333	21.	4.	19.333	4.397	6.1	12.25	17.75	20.1
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	03/14/90-12/05/95	41	26.1	25.807	26.8	23.8	0.41	0.64	25.08	25.45	26.2	26.4

** - 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 1995 - Station GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	52	12.5	12.485	14.	11.3	0.688	0.83	11.4	11.8	13.	13.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	39	38690.	38694.359	39700.	36360.	497335.762	705.22	38040.	38340.	39160.	39600.
00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	52	7.635	7.703	12.22	4.85	2.823	1.68	5.298	6.968	8.17	10.137
00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	52	8.33	8.3	8.8	7.83	0.058	0.241	7.966	8.1	8.445	8.602
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/14/90-12/03/96	52	8.33	8.235	8.8	7.83	0.062	0.249	7.966	8.1	8.445	8.602
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/90-12/03/96	52	0.005	0.006	0.015	0.002	0.	0.003	0.003	0.004	0.008	0.011
00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	52	33.4	33.19	34.	30.7	0.466	0.683	32.33	32.7	33.7	33.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	12	0.02	0.04	0.13	0.01	0.002	0.043	0.01	0.01	0.058	0.127
03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	12	13.3	12.733	17.4	2.5	14.368	3.79	5.08	11.4	14.75	17.22
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	03/14/90-12/05/95	52	26.22	25.932	26.73	23.75	0.461	0.679	25.076	25.46	26.438	26.57

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

Annual Analysis for 1996 - Station GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	52	11.5	11.346	13.3	8.9	1.628	1.276	8.9	11.	12.325	13.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	52	40.545	40.409	41.78	36.31	0.881	0.939	39.623	39.963	41.168	41.456
00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	52	6.66	6.348	8.86	3.09	2.619	1.618	3.099	5.66	7.368	8.289
00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	52	7.96	7.934	8.18	7.64	0.021	0.146	7.7	7.83	8.04	8.137

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Annual Analysis for 1996 - Station GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/14/90-12/03/96	52	7.96	7.909	8.18	7.64	0.022	0.148	7.7	7.83	8.04	8.137
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/90-12/03/96	52	0.011	0.012	0.023	0.007	0.	0.004	0.007	0.009	0.015	0.02
00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	52	36.5	35.758	36.9	30.3	1.948	1.396	34.03	34.525	36.675	36.77
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	12 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	12 ##	2.5	2.792	6.	2.5	1.021	1.01	2.5	2.5	2.5	4.95
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	12	13.9	17.1	58.6	5.	190.389	13.798	6.38	10.25	17.25	47.68

** - Less than 9 observations ## - Computed 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: 5/15 to 10/09 - Station GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	119	12.3	12.06	14.2	8.9	3.147	1.774	9.	10.9	13.9	14.
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	10	4.3	51.54	480.	1.9	22665.509	150.551	1.96	3.025	5.475	432.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	106	50850.	42628.198	57600.	39.622	90290869.947	17037.924	40.279	39680.	52025.	56460.
00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	103	7.6	6.83	12.22	3.09	5.472	2.339	3.236	4.6	8.44	9.006
00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	119	7.93	7.947	8.8	7.38	0.104	0.322	7.54	7.7	8.17	8.35
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/14/90-12/03/96	119	7.93	7.844	8.8	7.38	0.114	0.338	7.54	7.7	8.17	8.35
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/90-12/03/96	119	0.012	0.014	0.042	0.002	0.	0.009	0.004	0.007	0.02	0.029
00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	119	33.7	34.293	38.8	31.	3.114	1.765	32.9	33.	34.5	37.7
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	30	0.08	0.107	0.34	0.01	0.009	0.095	0.011	0.05	0.133	0.321
00746	SULFIDE, DISSOLVED (MG/L AS S)	03/14/90-12/03/96	10 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	30 ##	2.5	2.55	5.	1.	0.541	0.735	2.	2.5	2.5	3.85
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	30	13.3	10.833	18.	2.5	34.374	5.863	2.5	4.375	16.2	17.36

** - 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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	144	11.6	12.014	15.7	10.7	1.439	1.2	10.8	11.	13.	13.35
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	11	4.9	4.691	7.7	2.2	2.773	1.665	2.32	3.1	5.9	7.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	144	50600.	40537.836	52300.	40.6	376362578.742	19400.066	41.21	38682.5	51275.	51550.
00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	121	7.37	7.141	9.96	4.8	1.379	1.174	5.428	6.15	7.9	8.566
00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	131	7.97	7.914	8.26	7.37	0.053	0.23	7.56	7.78	8.09	8.19
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/14/90-12/03/96	131	7.97	7.845	8.26	7.37	0.058	0.24	7.56	7.78	8.09	8.19
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/90-12/03/96	131	0.011	0.014	0.043	0.005	0.	0.009	0.006	0.008	0.017	0.028
00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	144	33.7	34.04	36.9	32.4	1.723	1.313	32.9	33.1	34.34	36.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	33 ##	0.03	0.047	0.39	0.01	0.005	0.069	0.01	0.01	0.05	0.112
00746	SULFIDE, DISSOLVED (MG/L AS S)	03/14/90-12/03/96	11 ##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	33 ##	2.5	2.667	5.	2.5	0.307	0.554	2.5	2.5	2.5	3.4
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	33	9.	10.085	58.6	2.	93.696	9.68	2.5	5.	12.5	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: 1/15 to 5/14 - Station GOGA0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/90-12/03/96	92	12.85	12.243	14.1	9.3	2.17	1.473	9.8	10.8	13.1	13.97
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	7	2.8	2.886	4.9	1.9	0.935	0.967	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/90-12/03/96	92	49850.	41640.695	52900.	36.313	06564854.871	17508.994	40.001	39477.5	50700.	52400.
00300	OXYGEN, DISSOLVED MG/L	03/14/90-12/03/96	92	7.38	7.282	9.08	4.36	1.274	1.129	5.37	6.583	8.21	8.62
00406	PH, FIELD, STANDARD UNITS SU	03/14/90-12/03/96	92	8.115	7.938	8.48	7.19	0.152	0.389	7.34	7.47	8.2	8.41
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/14/90-12/03/96	92	8.115	7.756	8.48	7.19	0.185	0.43	7.34	7.47	8.2	8.41
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/90-12/03/96	92	0.008	0.018	0.065	0.003	0.	0.017	0.004	0.006	0.034	0.046
00480	SALINITY - PARTS PER THOUSAND	03/14/90-12/03/96	92	33.	33.197	35.26	30.	1.334	1.155	32.03	32.6	34.215	34.7
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/14/90-12/03/96	21 ##	0.025	0.043	0.28	0.005	0.003	0.058	0.006	0.01	0.05	0.068
00746	SULFIDE, DISSOLVED (MG/L AS S)	03/14/90-12/03/96	7 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	03/14/90-12/03/96	21 ##	2.5	2.667	6.	2.5	0.583	0.764	2.5	2.5	2.5	2.5
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	03/14/90-12/03/96	21	13.8	14.533	30.	4.	47.281	6.876	5.2	9.1	21.	22.16

** - 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

Station Inventory for Station: GOGA0093

NPS Station ID: GOGA0093
LAT/LON: 37.666884/-122.495620
Agency: 11NPSWRD
Date Created: 12/31/99
Location: PACIFIC OCEAN AT MUSSEL ROCKS
FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): GOGA_CCSF_OM24
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN THE PACIFIC OCEAN AT MUSSEL ROCKS. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/89-08/31/89	105 ##	5.	41.114	1410.	1.	22780.66	150.933	4.	5.	13.	67.2
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/03/89-08/31/89	105 ##	0.699	0.975	3.149	0.	0.339	0.582	0.602	0.699	1.102	1.827
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			9.451								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-08/31/89	105 ##	2.	14.095	600.	1.	4059.818	63.717	1.	1.	4.	20.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-08/31/89	105 ##	0.301	0.383	2.778	0.	0.328	0.572	0.	0.	0.602	1.288
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.417								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-08/31/89	105 ##	1.	14.8	560.	1.	5297.623	72.785	1.	1.	2.	13.6
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-08/31/89	105 ##	0.	0.308	2.748	0.	0.329	0.573	0.	0.	0.301	1.129
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.031								

** - Less than 9 observations ## - 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: GOGA0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	105	1	0.01	48	0	0.00	6	0	0.00	51	1	0.02			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	105	2	0.02	48	0	0.00	6	0	0.00	51	2	0.04			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	105	6	0.06	48	1	0.02	6	0	0.00	51	5	0.10			

& - 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: GOGA0094

NPS Station ID: GOGA0094 LAT/LON: 37.686329/-122.496361 Agency: 11NPSWRD Date Created: 12/31/99
Location: PACIFIC OCEAN AT SHORELINE NEAR DALY CITY FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM23
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN THE PACIFIC OCEAN AT SHORELINE NEAR DALY CITY. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/89-08/31/89	105	10.	87.61	1200.	1.	54108.702	232.613	5.	5.	40.	173.6
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/03/89-08/31/89	105	1.	1.187	3.079	0.	0.506	0.711	0.699	0.699	1.602	2.236
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.389								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-08/31/89	105	2.	28.581	935.	1.	13120.919	114.547	1.	1.	8.	28.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-08/31/89	105	0.301	0.574	2.971	0.	0.467	0.683	0.	0.	0.903	1.459
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.754								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-08/31/89	105 ##	1.	11.171	275.	1.	1303.393	36.103	1.	1.	2.	20.8
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-08/31/89	105 ##	0.	0.322	2.439	0.	0.366	0.605	0.	0.	0.301	1.318
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.098								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0094

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	105	3	0.03	48	0	0.00	6	0	0.00	51	3	0.06			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	105	4	0.04	48	0	0.00	6	0	0.00	51	4	0.08			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	105	8	0.08	48	3	0.06	6	0	0.00	51	5	0.10			

& - 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: GOGA0095

NPS Station ID: GOGA0095 LAT/LON: 37.686324/-122.510005 Agency: 11NPSWRD Date Created: 12/31/99
Location: PACIFIC OCEAN SOUTH OF THORNTON BEACH STATE PARK FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM14
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, OUTSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN THE PACIFIC OCEAN SOUTH OF THORNTON BEACH STATE PARK. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/10/89-12/05/89	90	12.85	12.418	14.9	10.	2.695	1.642	10.2	10.7	13.9	14.67
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/21/89-12/05/89	14	3.35	10.65	37.2	0.1	182.901	13.524	0.1	0.175	21.1	35.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/89-12/05/89	90	53900.	54523.333	60800.	51700.	6457988.764	2541.257	51910.	52700.	55100.	58200.
00300	OXYGEN, DISSOLVED MG/L	01/10/89-12/05/89	90	8.	8.088	13.	4.	3.855	1.964	5.1	7.	9.	10.
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	01/10/89-12/05/89	90	41700.	41315.556	47200.	4000.	21982227.216	4688.521	38230.	39600.	43200.	44900.
00406	PH, FIELD, STANDARD UNITS SU	01/10/89-12/05/89	90	7.6	7.698	8.19	7.18	0.065	0.255	7.397	7.53	7.895	8.12
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/10/89-12/05/89	90	7.6	7.631	8.19	7.18	0.07	0.264	7.397	7.53	7.895	8.12
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/10/89-12/05/89	90	0.025	0.023	0.066	0.006	0.	0.013	0.008	0.013	0.03	0.04
00480	SALINITY - PARTS PER THOUSAND	01/10/89-12/05/89	90	35.75	36.294	41.	34.1	3.601	1.898	34.41	34.975	36.475	39.3
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/10/89-12/05/89	36	0.05	0.057	0.15	0.025	0.001	0.036	0.025	0.025	0.09	0.11
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/10/89-12/05/89	36 ##	2.5	2.806	8.	2.5	1.633	1.278	2.5	2.5	2.5	2.5
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/10/89-12/05/89	59 ##	1.	2.949	36.	1.	28.497	5.338	1.	1.	2.	6.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/10/89-12/05/89	59 ##	0.	0.223	1.556	0.	0.14	0.374	0.	0.	0.301	0.778
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.67								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/89-12/05/89	59 ##	1.	9.153	400.	1.	2711.821	52.075	1.	1.	2.	4.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/89-12/05/89	59 ##	0.	0.175	2.602	0.	0.201	0.448	0.	0.	0.301	0.602
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.495								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/10/89-12/05/89	59 ##	1.	2.881	18.	1.	12.003	3.465	1.	1.	4.	8.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/10/89-12/05/89	59 ##	0.	0.267	1.255	0.	0.137	0.37	0.	0.	0.602	0.903

** - 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 time series plot

Parameter Inventory for Station: GOGA0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			1.849								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	01/10/89-12/05/89	36	3.24	5.224	26.75	0.84	33.51	5.789	1.228	2.11	5.28	12.393
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	01/10/89-12/05/89	36	10.	11.056	27.	2.5	35.283	5.94	2.5	7.	14.	19.5
50786	ORTHOPHOSPHATE AS P, WATER MG/L	01/10/89-12/05/89	36	0.04	0.04	0.09	0.01	0.	0.022	0.01	0.02	0.058	0.07
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	01/10/89-12/05/89	90	26.85	27.522	31.1	25.6	2.339	1.529	26.2	26.4	27.925	30.288

** - Less than 9 observations ## - 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: GOGA0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	90	6	0.07	38	2	0.05	21	0	0.00	31	4	0.13			
00406	PH, FIELD	Marine Chronic	8.5	90	0	0.00	38	0	0.00	21	0	0.00	31	0	0.00			
		Other-Lo Lim.	6.5	90	0	0.00	38	0	0.00	21	0	0.00	31	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	59	0	0.00	25	0	0.00	15	0	0.00	19	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	59	1	0.02	25	0	0.00	15	0	0.00	19	1	0.05			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	59	0	0.00	25	0	0.00	15	0	0.00	19	0	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: GOGA0096

NPS Station ID: GOGA0096 LAT/LON: 37.691665/-122.552004 Agency: 11NPSWRD Date Created: 12/31/99
Location: PACIFIC OCEAN SOUTHEAST OF OUTFALL DIFFUSER FIPS State/County: 06081 CALIFORNIA/SAN MATEO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM05
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, OUTSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN THE PACIFIC OCEAN SOUTHEAST OF THE SOUTHWEST OCEAN OUTFALL DIFFUSER (SWOO). THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SWOO WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD; 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/10/89-12/05/89	158	11.7	11.82	15.2	10.	1.916	1.384	10.1	10.5	12.9	13.61
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/21/89-12/05/89	13	15.5	16.492	31.5	0.1	64.519	8.032	4.1	11.5	21.35	29.78
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/89-12/05/89	158	54200.	54677.215	60800.	50200.	6419095.38	2533.593	52090.	52900.	55150.	58610.
00300	OXYGEN, DISSOLVED MG/L	01/10/89-12/05/89	158	8.	7.665	14.	4.	4.776	2.185	5.	6.	8.	11.
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	01/10/89-12/05/89	158	40750.	41439.241	47200.	37300.	7342654.197	2709.733	38280.	39600.	42825.	46600.
00406	PH, FIELD, STANDARD UNITS SU	01/10/89-12/05/89	158	7.61	7.599	8.1	6.93	0.054	0.233	7.3	7.45	7.75	7.893
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/10/89-12/05/89	158	7.61	7.535	8.1	6.93	0.058	0.242	7.3	7.45	7.75	7.893
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/10/89-12/05/89	158	0.025	0.029	0.117	0.008	0.	0.018	0.013	0.018	0.035	0.05
00480	SALINITY - PARTS PER THOUSAND	01/10/89-12/05/89	158	36.1	36.592	41.	33.1	4.31	2.076	34.6	35.1	36.825	40.51
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/10/89-12/05/89	36 ##	0.025	0.054	0.28	0.025	0.003	0.052	0.025	0.025	0.068	0.115
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/10/89-12/05/89	36 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/10/89-12/05/89	60	5.	122.067	5300.	1.	469646.911	685.308	1.	1.	32.	109.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/10/89-12/05/89	60	0.69	0.814	3.724	0.	0.801	0.895	0.	0.	1.492	2.037
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6.511								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/89-12/05/89	60	4.	43.283	1900.	1.	60518.105	246.004	1.	1.	9.5	27.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/89-12/05/89	60	0.602	0.631	3.279	0.	0.444	0.666	0.	0.	0.976	1.44
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.274								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/10/89-12/05/89	60 ##	1.	8.787	300.	0.2	1520.283	38.991	1.	1.	4.	9.8
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/10/89-12/05/89	60 ##	0.	0.299	2.477	-0.699	0.28	0.53	0.	0.	0.602	0.99

** - 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 time series plot

Parameter Inventory for Station: GOGA0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			1.992								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	01/10/89-12/05/89	36	3.52	18.826	465.	0.53	5903.871	76.837	1.41	2.075	7.678	19.992
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	01/10/89-12/05/89	36	11.5	23.458	425.	2.5	4777.063	69.116	4.25	8.25	16.	25.3
50786	ORTHOPHOSPHATE AS P, WATER MG/L	01/10/89-12/05/89	36	0.04	0.041	0.08	0.005	0.	0.02	0.01	0.03	0.05	0.07
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	01/10/89-12/05/89	158	27.4	27.859	31.1	25.2	2.522	1.588	26.39	26.7	28.1	30.71

** - 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

EPA Water Quality Criteria Analysis for Station: GOGA0096

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	158	8	0.05	68	5	0.07	36	0	0.00	54	3	0.06			
00406	PH, FIELD	Marine Chronic	8.5	158	0	0.00	68	0	0.00	36	0	0.00	54	0	0.00			
		Other-Lo Lim.	6.5	158	0	0.00	68	0	0.00	36	0	0.00	54	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	60	1	0.02	25	1	0.04	15	0	0.00	20	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	60	2	0.03	25	1	0.04	15	0	0.00	20	1	0.05			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	60	2	0.03	25	1	0.04	15	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

Station Inventory for Station: GOGA0097

NPS Station ID: GOGA0097 LAT/LON: 37.701079/-122.501514 Agency: 11TOX09 Date Created: 05/15/93
Location: SURF NR LAKE MERCED OVERFLOW STRUCTURE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/AMBNT/OCEAN/NRSHRE STORET Station ID(s): CA0037681WQ22
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
DATA FROM NPDES RECEIVING WATER MONITORING. STATION LOCATED AT A POINT IN THE SURF NR THE LAKE MERCED OVERFLOW STRUCTURE WHEN ACCESSIBLE.

Parameter Inventory for Station: GOGA0097

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: GOGA0098

NPS Station ID: GOGA0098 LAT/LON: 37.709165/-122.501675 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH IN THE SURF W OF SAN MATEO COUNTY LN FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM22
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT OCEAN BEACH IN THE SURF W OF SAN MATEO COUNTY LN. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	1301	16.	386.321	22800.	1.	5336403.131	2310.066	2.	5.	50.	178.4
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	1301	1.204	1.293	4.358	0.	0.653	0.808	0.301	0.699	1.699	2.251
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			19.631								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1130	5.	165.371	20000.	1.	2151709.804	1466.871	1.	2.	20.	52.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1130	0.699	0.869	4.301	0.	0.55	0.742	0.	0.301	1.301	1.716
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.402								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	1126	4.	91.026	20000.	0.	1140440.434	1067.914	1.	2.	10.	46.6
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	1126	0.602	0.71	4.301	0.	0.458	0.677	0.	0.301	1.	1.668
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.134								

** - 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

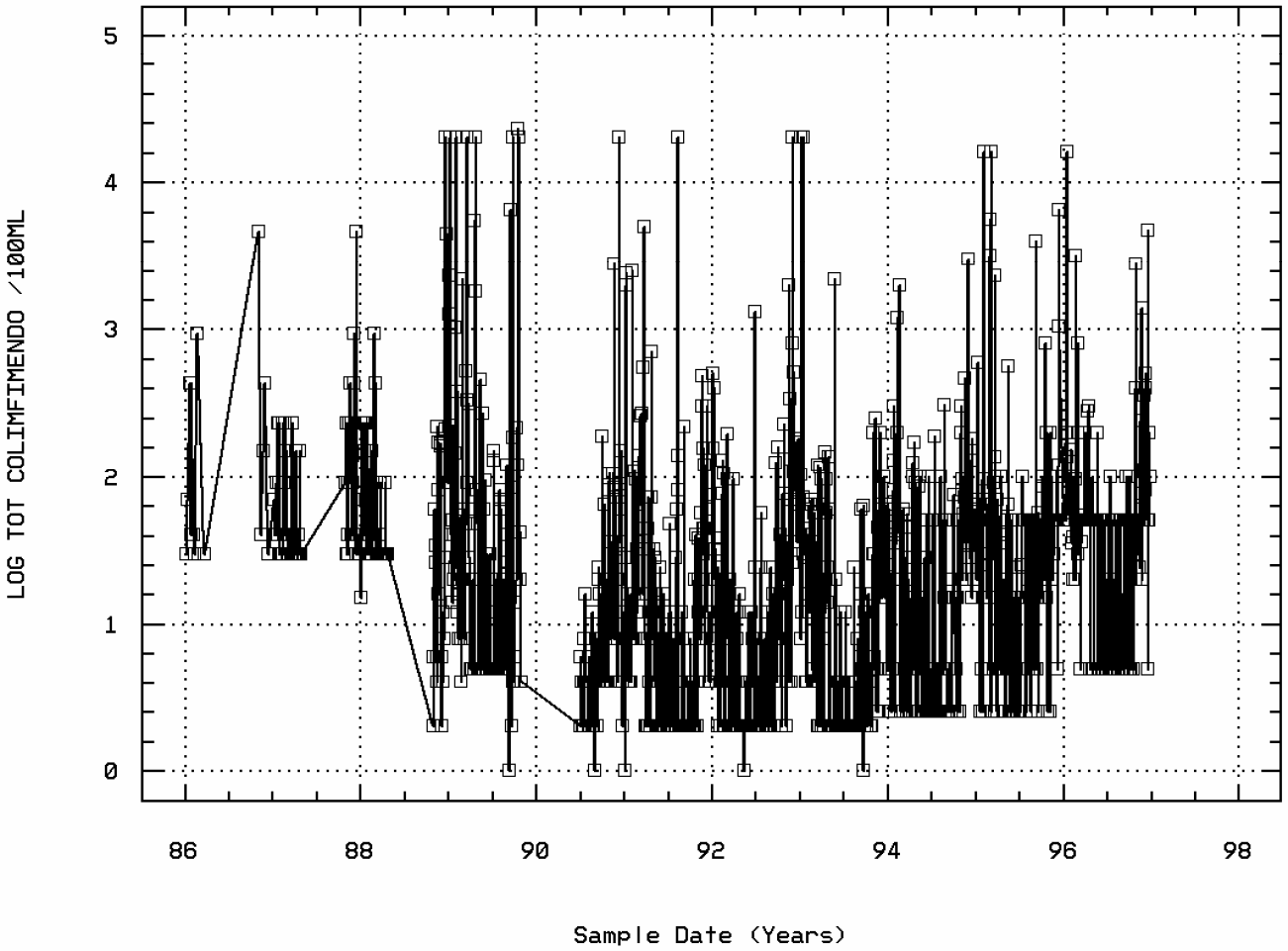
EPA Water Quality Criteria Analysis for Station: GOGA0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1301	49	0.04	485	6	0.01	358	23	0.06	458	20	0.04			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1130	41	0.04	484	4	0.01	286	15	0.05	360	22	0.06			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	1120 &	131	0.12	483	20	0.04	280	61	0.22	357	50	0.14			

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

Station: GOGA0098 Parameter Code: 31501

LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



OCEAN BEACH IN THE SURF W OF SAN MATEO

Annual Analysis for 1986 - Station GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	14	55.	520.	4600.	30.	1448446.154	1203.514	30.	30.	430.	2765.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	14	1.724	2.091	3.663	1.477	0.493	0.702	1.477	1.477	2.633	3.316
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			123.179								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	72	40.	158.611	4600.	30.	299600.861	547.358	30.	30.	90.	230.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	72	1.602	1.802	3.663	1.477	0.187	0.433	1.477	1.477	1.954	2.362
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			63.406								

** - 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 box-and-whisker plot

Annual Analysis for 1988 - Station GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	75	30.	669.867	20000.	2.	10650560.82	3263.52	6.	30.	90.	230.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	75	1.477	1.694	4.301	0.301	0.518	0.72	0.778	1.477	1.954	2.362
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			49.403								

** - 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

Annual Analysis for 1989 - Station GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	130	20.	1301.277	22800.	1.	21623668.124	4650.126	5.	5.	85.5	1236.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	130	1.301	1.536	4.358	0.	0.982	0.991	0.699	0.699	1.932	3.091
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			34.332								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	130	4.	418.215	20000.	1.	6257187.798	2501.437	1.	1.	16.	157.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	130	0.602	0.865	4.301	0.	0.899	0.948	0.	0.	1.204	2.195
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.331								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	130	2.	398.262	20000.	1.	6466624.923	2542.956	1.	1.	12.5	73.7
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	130	0.301	0.638	4.301	0.	0.852	0.923	0.	0.	1.096	1.867
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.347								

** - 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 1990 - Station GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	77	6.	316.844	20000.	1.	5266306.739	2294.844	2.	4.	20.	84.8
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	77	0.778	1.007	4.301	0.	0.518	0.72	0.301	0.602	1.301	1.928
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			10.157								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	77	4.	21.091	610.	1.	7390.478	85.968	1.	1.	8.	26.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	77	0.602	0.608	2.785	0.	0.376	0.613	0.	0.	0.903	1.415
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.054								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	77	4.	40.727	1000.	1.	15069.675	122.759	1.	1.	26.	110.8
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	77	0.602	0.825	3.	0.	0.629	0.793	0.	0.	1.414	2.043
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.686								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	8.	241.064	20000.	1.	2796798.783	1672.363	2.	2.	32.	140.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	0.903	1.06	4.301	0.	0.641	0.801	0.301	0.301	1.505	2.146
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			11.484								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	4.	145.532	20000.	1.	2561478.909	1600.462	1.	1.	12.	47.8
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	0.602	0.673	4.301	0.	0.498	0.706	0.	0.	1.079	1.679
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.711								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	4.	59.577	3800.	0.	109586.891	331.039	1.	1.	13.5	80.2
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.602	0.729	3.58	0.	0.592	0.769	0.	0.	1.129	1.903
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.36								

** - 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 1992 - Station GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	8.	189.321	20000.	1.	2592942.761	1610.262	2.	2.	24.	134.4
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	0.903	1.007	4.301	0.	0.604	0.777	0.301	0.301	1.38	2.128
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			10.153								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	4.	39.445	3400.	1.	74855.859	273.598	1.	1.	16.	70.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	0.602	0.716	3.531	0.	0.491	0.7	0.	0.	1.204	1.845
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.194								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	2.	33.141	2600.	1.	44592.122	211.168	1.	1.	8.	43.2
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.301	0.571	3.415	0.	0.488	0.699	0.	0.	0.903	1.635
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.726								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	155	6.	294.861	20000.	1.	5140807.375	2267.335	2.	2.	25.	70.8
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	155	0.778	0.979	4.301	0.	0.54	0.735	0.301	0.301	1.398	1.85
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			9.523								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	153	4.	176.212	20000.	1.	2680717.726	1637.29	1.	2.	16.	45.2
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	153	0.602	0.751	4.301	0.	0.524	0.724	0.	0.301	1.204	1.655
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.63								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	153	2.	159.386	20000.	1.	2665729.699	1632.706	1.	1.	10.	22.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	153	0.301	0.579	4.301	0.	0.434	0.659	0.	0.	1.	1.342
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.796								

** - 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

Annual Analysis for 1994 - Station GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	12.5	77.545	3000.	2.5	92876.882	304.757	2.5	2.5	50.	107.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.088	1.178	3.477	0.398	0.478	0.692	0.398	0.398	1.699	2.029
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.052								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	5.	52.644	3800.	2.5	117433.003	342.685	2.5	2.5	15.	43.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	0.699	0.846	3.58	0.398	0.331	0.576	0.398	0.398	1.176	1.631
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.01								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	153	## 2.5	15.408	700.	2.5	3639.1	60.325	2.5	2.5	5.	28.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	153	## 0.398	0.695	2.845	0.398	0.228	0.477	0.398	0.398	0.699	1.445

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.955								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	153	25.	505.428	16000.	2.5	5503508.968	2345.956	2.5	5.	50.	129.6
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	153	1.398	1.424	4.204	0.398	0.666	0.816	0.398	0.699	1.699	2.112
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			26.533								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	150	5.	383.55	16000.	2.5	5082831.398	2254.514	2.5	2.5	31.25	89.5
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	150	0.699	1.078	4.204	0.398	0.616	0.785	0.398	0.398	1.494	1.952
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.98								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	148 ##	2.5	23.277	1200.	2.5	10307.555	101.526	2.5	2.5	10.	50.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	148 ##	0.398	0.8	3.079	0.398	0.298	0.545	0.398	0.398	1.	1.699
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.312								

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

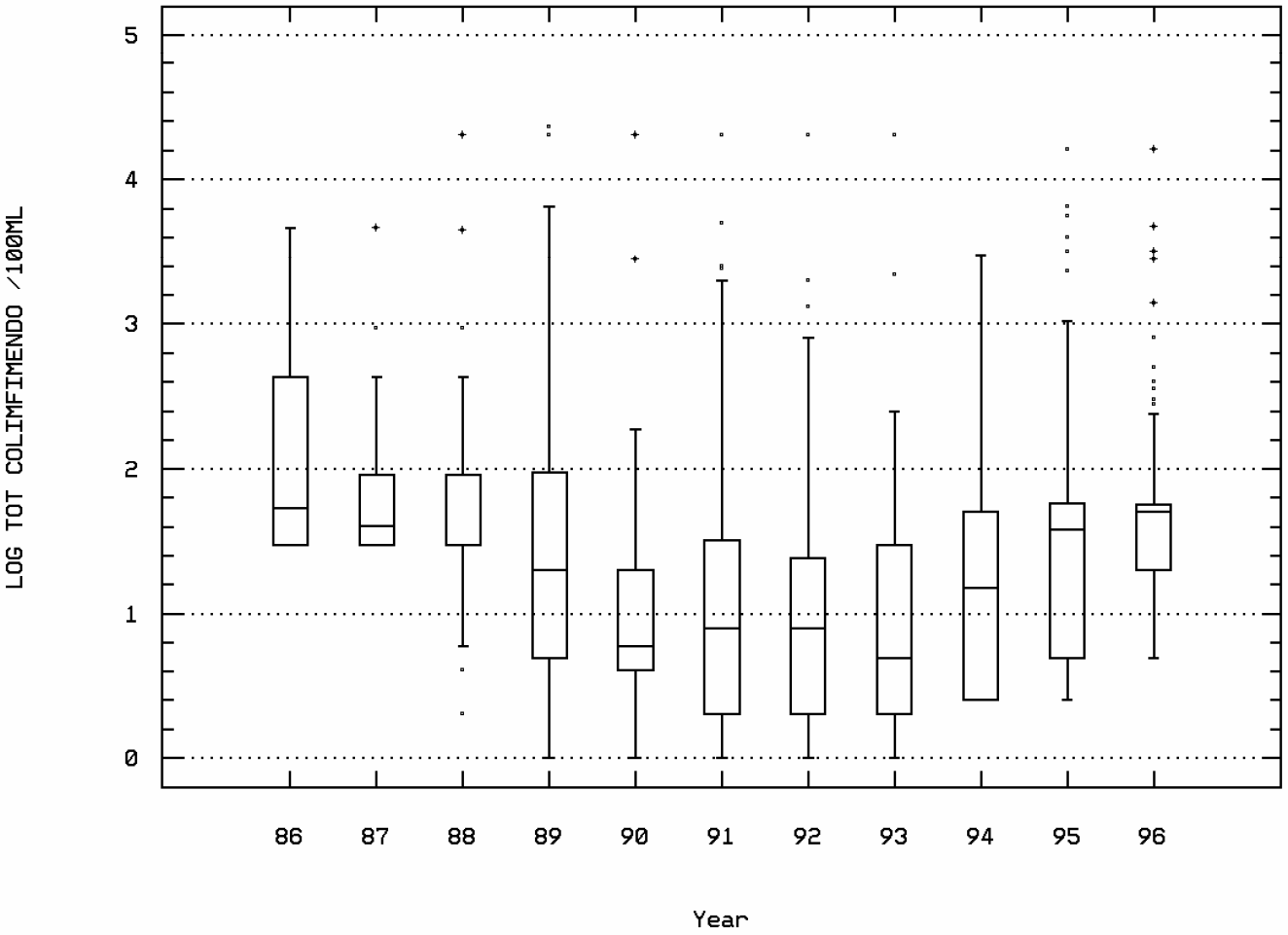
Annual Analysis for 1996 - Station GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	157 ##	50.	240.955	16000.	5.	1866329.017	1366.137	5.	10.	50.	200.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	157 ##	1.699	1.549	4.204	0.699	0.434	0.659	0.699	1.	1.699	2.301
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			35.435								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	153 ##	20.	61.144	2000.	2.5	44312.581	210.506	5.	5.	50.	100.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	153 ##	1.301	1.298	3.301	0.398	0.321	0.566	0.699	0.699	1.699	2.
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.865								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	153 ##	5.	19.167	360.	2.5	1949.918	44.158	2.5	5.	10.	45.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	153 ##	0.699	0.897	2.556	0.398	0.213	0.462	0.398	0.699	1.	1.653
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			7.882								

** - 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

Station: GOGA0098 Parameter Code: 31501

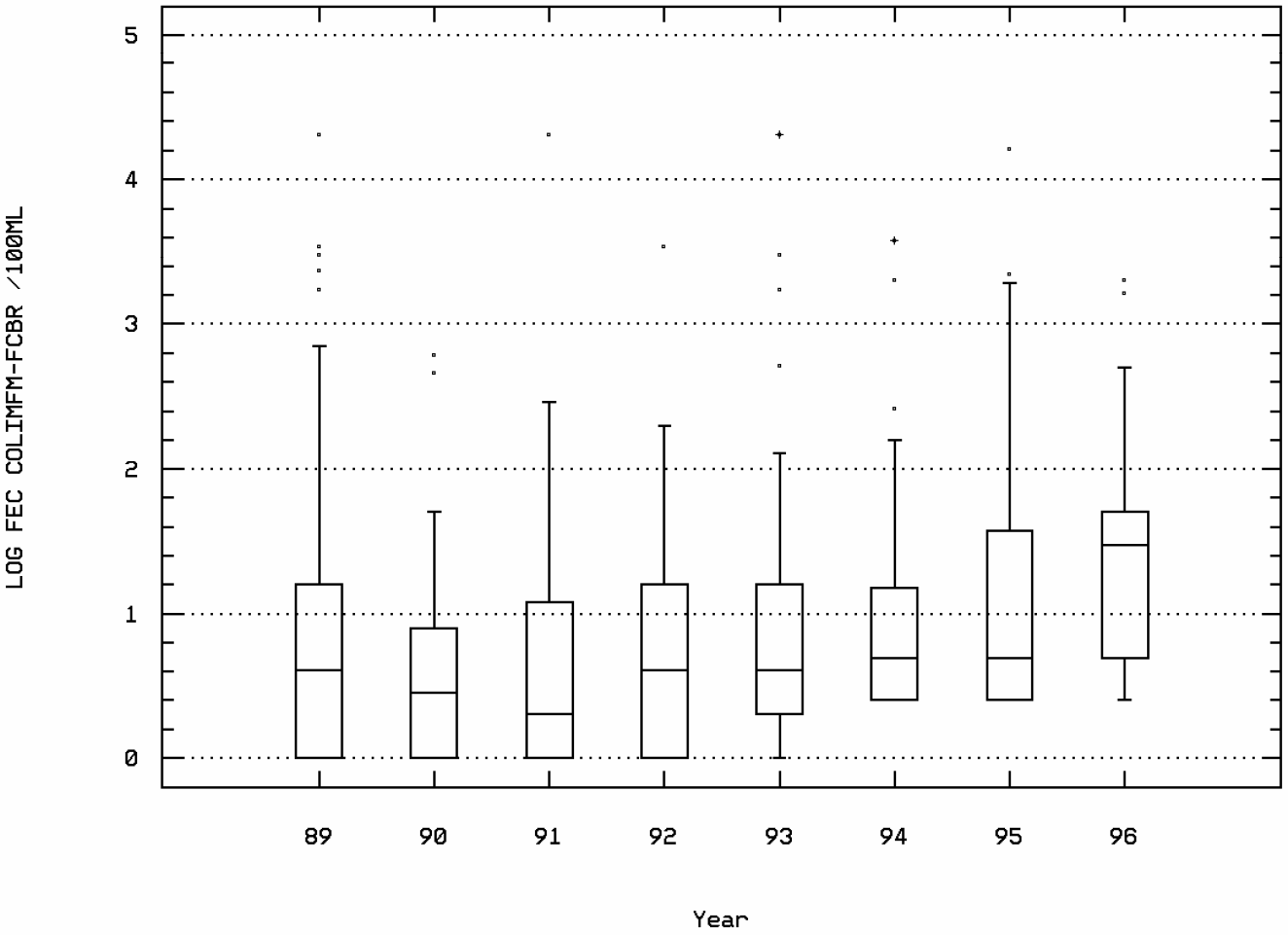
LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



OCEAN BEACH IN THE SURF W OF SAN MATEO

Station: GOGA0098 Parameter Code: 31616

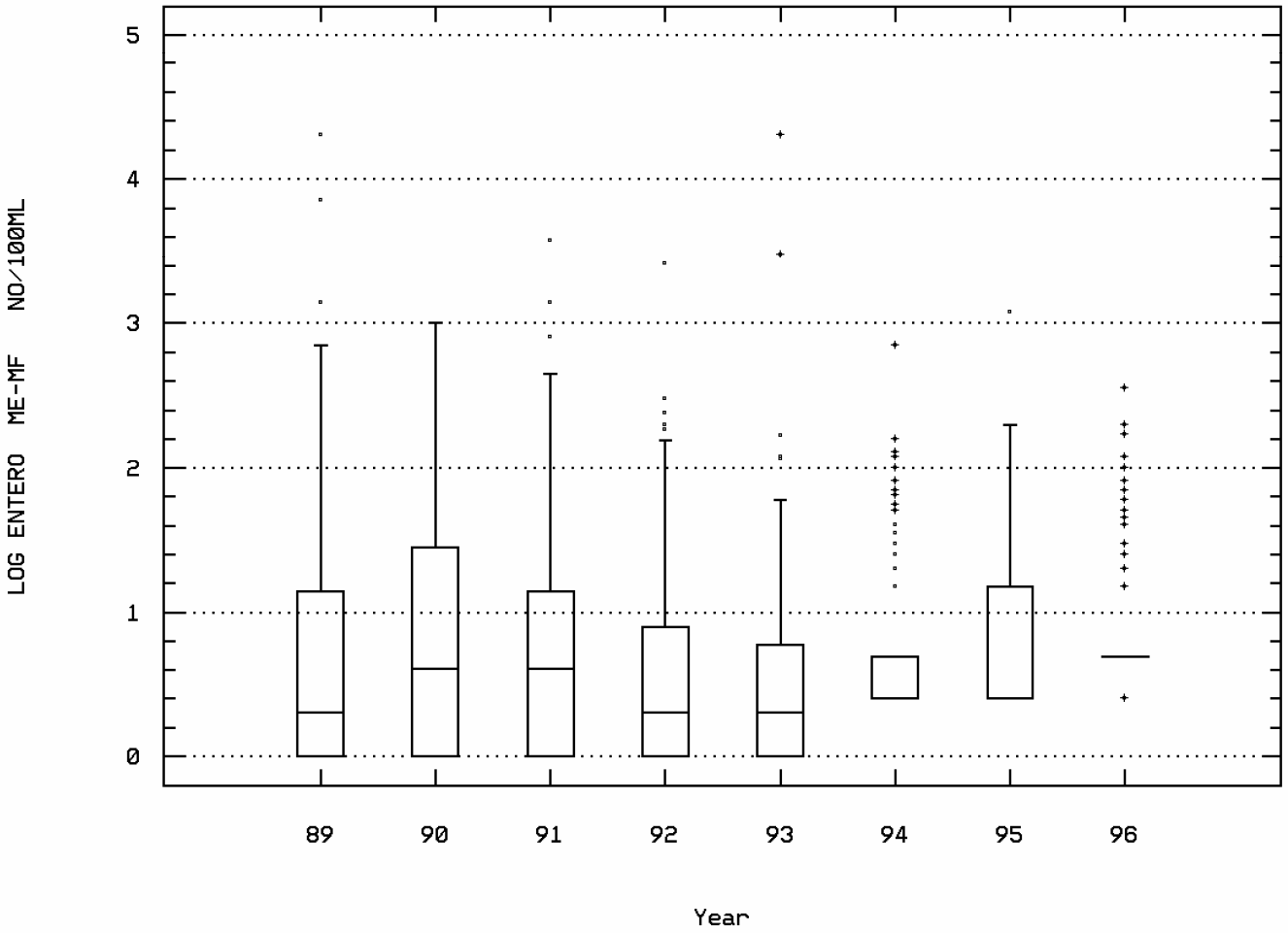
LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



OCEAN BEACH IN THE SURF W OF SAN MATEO

Station: GOGA0098 Parameter Code: 31649

LOG ENTEROCOCCI- ME-MF



OCEAN BEACH IN THE SURF W OF SAN MATEO

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	485 ##	5.	131.006	20000.	1.	1771772.929	1331.08	2.	2.5	16.	50.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	485 ##	0.699	0.899	4.301	0.	0.409	0.639	0.301	0.398	1.204	1.699
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			7.929								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	484 ##	2.5	58.775	20000.	1.	836234.933	914.459	1.	1.	6.	35.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	484 ##	0.398	0.577	4.301	0.	0.351	0.593	0.	0.	0.778	1.544
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.779								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	483 ##	2.5	21.027	3800.	1.	36408.88	190.811	1.	1.	5.	15.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	483 ##	0.398	0.507	3.58	0.	0.276	0.525	0.	0.	0.699	1.176
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.213								

** - 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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	358	40.	653.786	22800.	1.	9380350.643	3062.736	4.	12.	100.	403.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	358	1.602	1.625	4.358	0.	0.676	0.822	0.602	1.079	2.	2.605
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			42.134								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	286	10.	159.86	20000.	1.	1533576.71	1238.377	2.	5.	49.25	101.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	286	1.	1.168	4.301	0.	0.537	0.733	0.301	0.699	1.692	2.006
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.738								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	281	6.	136.73	20000.	1.	1624557.678	1274.581	1.	2.5	28.	100.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	281	0.778	0.983	4.301	0.	0.528	0.727	0.	0.398	1.447	2.
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			9.605								

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

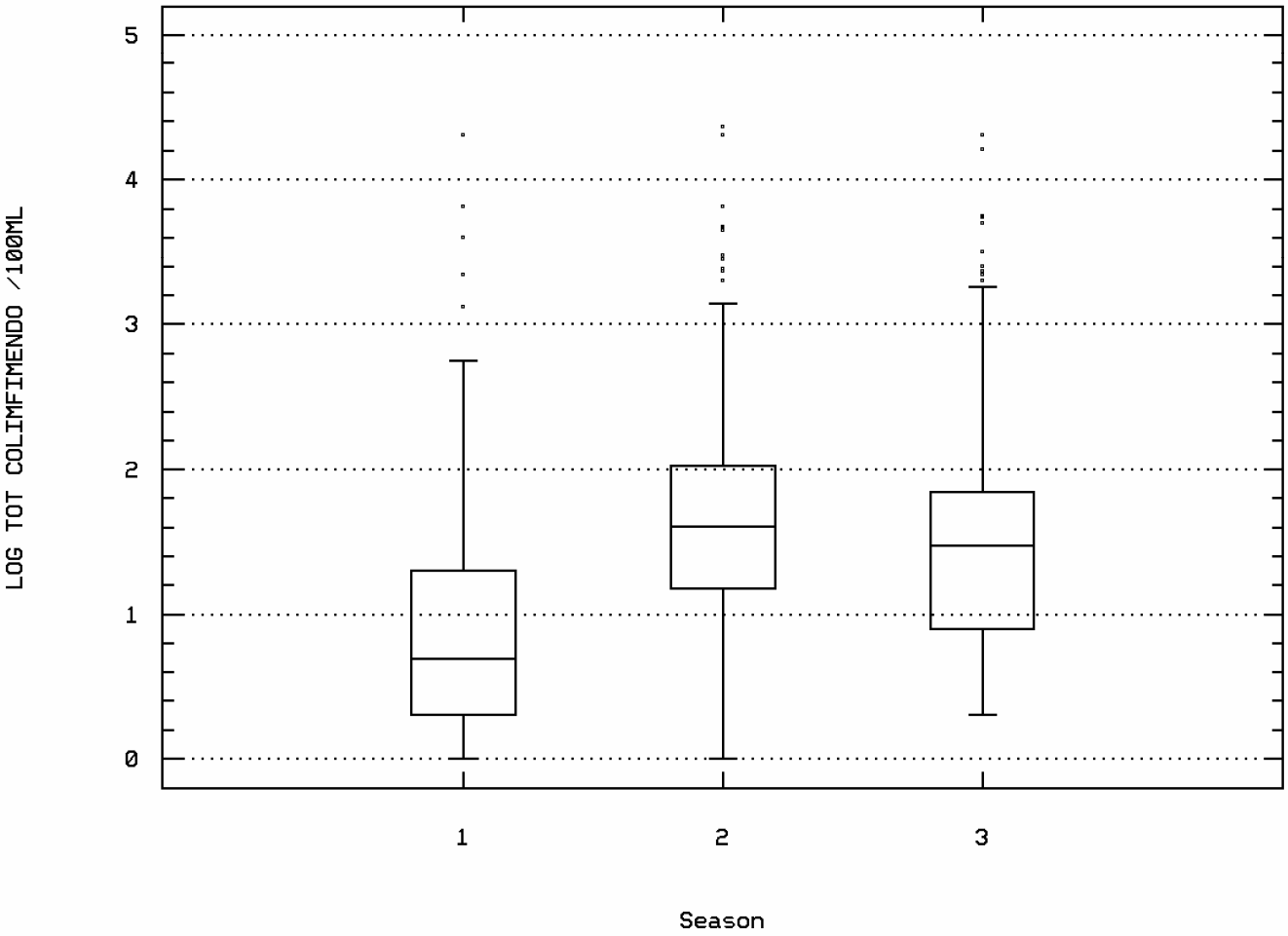
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	458	30.	447.621	20000.	2.	5846945.786	2418.046	2.5	8.	64.	230.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	458	1.477	1.451	4.301	0.301	0.62	0.787	0.398	0.903	1.806	2.362
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			28.224								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	360	8.	313.063	20000.	1.	4387043.667	2094.527	2.	2.5	27.5	74.9
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	360	0.903	1.024	4.301	0.	0.62	0.788	0.301	0.398	1.439	1.874
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.573								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	362	4.	148.945	20000.	0.	2233801.397	1494.591	1.	2.	12.5	60.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	362	0.602	0.771	4.301	0.	0.534	0.731	0.	0.301	1.096	1.778
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.898								

** - 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 box-and-whisker plot

Station: GOGA0098 Parameter Code: 31501

LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



OCEAN BEACH IN THE SURF W OF SAN MATEO

Station Inventory for Station: GOGA0099

NPS Station ID: GOGA0099 LAT/LON: 37.709114/-122.554315 Agency: 11TOX09 Date Created: 05/15/93
Location: OCEANSIDE RECEIVING WATER STATTION 1 FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/OUTFL/AMBNT/OCEAN/OFSHRE STORET Station ID(s): CA0037681WQ1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050006 Depth of Water: 79 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
RECEIVING WATER MONITORING DATA STATION IS 24 METERS SOUTH OF THE MIDPOINT OF THE OPERATIONAL PORTION OF THE DIFFUSER. ALL DATA FROM NPDES PERMIT

Parameter Inventory for Station: GOGA0099

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: GOGA0100

NPS Station ID: GOGA0100 LAT/LON: 37.709165/-122.501675 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH AT LAKE MERCED OVERFLOW STRUCTURE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_SW22
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT OCEAN BEACH AT LAKE MERCED OVERFLOW STRUCTURE. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) SOUTHWEST OCEAN OUTFALL REGIONAL MONITORING PROGRAM AND WERE REPORTED IN THE 1997 AND 1998 ANNUAL REPORTS. THIS PROGRAM REPLACES THE CCSF OCEAN OUTFALL MONITORING PROGRAM AND MONITORS SHORELINE BACTERIOLOGICAL, MARINE SEDIMENT, BENTHIC INFAUNA AND FISH AND EPIBENTHIC INVERTEBRATES. FOR MORE INFORMATION ON THE STUDE, CONTACT CCSF AT TEL. (415) 242-2201. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE PARK AT FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-08/09/99	184	20.	117.821	10000.	5.	553199.394	743.774	5.	5.	50.	172.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/97-08/09/99	184	1.301	1.386	4.	0.699	0.38	0.617	0.699	0.699	1.699	2.234
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			24.348								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38 ##	10.	285.132	10000.	5.	2620195.252	1618.702	5.	5.	50.	50.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38 ##	1.	1.227	4.	0.699	0.391	0.625	0.699	0.699	1.699	1.699
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.854								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	74 ##	5.	18.378	200.	5.	1200.074	34.642	5.	5.	12.5	50.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/97-03/28/97	74 ##	0.699	0.982	2.301	0.699	0.164	0.405	0.699	0.699	1.075	1.699
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			9.599								

** - Less than 9 observations ## - 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: GOGA0100

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	184	2	0.01	70	0	0.00	48	2	0.04	66	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	1	0.03				7	1	0.14	31	0	0.00			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	74	8	0.11				14	4	0.29	60	4	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: GOGA0101

NPS Station ID: GOGA0101 LAT/LON: 37.709159/-122.515334 Agency: 11NPSWRD Date Created: 12/31/99
Location: PACIFIC OCEAN WEST OF SAN MATEO COUNTY LINE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM13
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, OUTSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN THE PACIFIC OCEAN WEST OF SAN MATEO COUNTY LINE. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD; 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	290	12.8	12.463	15.9	9.1	2.265	1.505	10.3	11.1	13.7	14.29
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/21/89-12/01/92	65	7.8	9.465	30.1	0.	48.647	6.975	1.9	4.98	12.65	20.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	28	2.8	2.821	4.3	1.1	0.822	0.907	1.67	2.1	3.675	4.03
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	282	51150.	45381.819	60800.	38.21258	368441.744	16073.843	41.512	48775.	52700.	54400.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	263	7.66	7.798	13.	3.5	3.873	1.968	5.31	6.9	8.4	10.
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	02/21/89-12/03/91	139	40460.	40572.662	47100.	35900.	7850528.37	2801.879	37510.	37900.	42700.	44700.
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	282	7.96	7.905	8.82	7.14	0.109	0.33	7.416	7.668	8.133	8.227
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	282	7.96	7.778	8.82	7.14	0.125	0.354	7.416	7.668	8.132	8.227
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	282	0.011	0.017	0.072	0.002	0.	0.014	0.006	0.007	0.022	0.038
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	290	34.135	34.446	41.	31.	3.52	1.876	32.61	33.	35.525	36.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/89-12/05/89	33	0.06	0.055	0.16	0.025	0.001	0.033	0.025	0.025	0.08	0.1
03582	OIL AND GREASE, WATER, TOTAL MG/L	02/21/89-12/05/89	33 ##	2.5	2.955	8.	2.5	1.756	1.325	2.5	2.5	2.5	5.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	194 ##	2.5	33.884	2700.	1.	48058.065	219.221	1.	1.	8.5	50.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	194 ##	0.398	0.584	3.431	0.	0.42	0.648	0.	0.	0.927	1.699
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3.838								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	195 ##	2.	8.051	400.	1.	1011.783	31.809	1.	1.	5.	12.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	195 ##	0.301	0.406	2.602	0.	0.242	0.492	0.	0.	0.699	1.079
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.546								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	195 ##	2.	3.487	100.	1.	70.334	8.387	1.	1.	2.5	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: GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	195 ##	0.301	0.302	2.	0.	0.128	0.358	0.	0.	0.398	0.699
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.003								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	02/21/89-12/05/89	33	4.08	5.625	21.82	0.84	23.07	4.803	2.138	3.17	5.91	14.164
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	02/21/89-12/05/89	33	9.	11.576	30.	2.5	48.424	6.959	5.	6.5	15.	23.2
50786	ORTHOPHOSPHATE AS P, WATER MG/L	02/21/89-12/05/89	33	0.05	0.046	0.09	0.005	0.001	0.023	0.007	0.03	0.06	0.07
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	261	26.1	26.354	31.1	23.6	1.607	1.268	25.102	25.6	26.8	27.88

** - Less than 9 observations ## - 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: GOGA0101

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	263	11	0.04	97	8	0.08	90	0	0.00	76	3	0.04			
00406	PH, FIELD	Marine Chronic	8.5	282	8	0.03	109	8	0.07	90	0	0.00	83	0	0.00			
		Other-Lo Lim.	6.5	282	0	0.00	109	0	0.00	90	0	0.00	83	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	194	2	0.01	75	1	0.01	65	0	0.00	54	1	0.02			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	195	1	0.01	75	1	0.01	65	0	0.00	55	0	0.00			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	195	2	0.01	75	1	0.01	65	0	0.00	55	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

Annual Analysis for 1989 - Station GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	81	12.9	12.527	15.	10.	2.36	1.536	10.3	10.75	13.8	14.28
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	81	53900.	54309.877	60800.	51300.	5762901.235	2400.604	52020.	52700.	54400.	57480.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	81	8.	8.19	13.	4.	6.823	2.612	5.	7.	8.4	13.
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	81	7.71	7.724	8.21	7.23	0.074	0.273	7.32	7.52	7.91	8.108
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	81	7.71	7.642	8.21	7.23	0.081	0.285	7.32	7.52	7.91	8.108
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	81	0.019	0.023	0.059	0.006	0.	0.014	0.008	0.012	0.03	0.048
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	81	35.9	36.169	41.	33.8	3.202	1.789	34.52	35.	36.2	38.4
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	54 ##	1.5	94.778	2700.	1.	168201.95	410.124	1.	1.	10.5	89.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	54 ##	0.151	0.595	3.431	0.	0.788	0.887	0.	0.	1.02	1.949
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3.934								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55 ##	1.	17.309	400.	1.	3341.847	57.809	1.	1.	6.	35.6
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55 ##	0.	0.46	2.602	0.	0.454	0.674	0.	0.	0.778	1.551
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.881								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	55 ##	1.	6.109	100.	1.	230.284	15.175	1.	1.	4.	13.6
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	55 ##	0.	0.331	2.	0.	0.26	0.51	0.	0.	0.602	1.129
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.142								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	81	26.9	27.405	31.1	25.4	1.804	1.343	26.2	26.6	27.75	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 box-and-whisker plot

Annual Analysis for 1990 - Station GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	28	10.7	11.146	13.6	9.9	1.379	1.174	9.9	10.3	11.875	13.31
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	28	50500.	51753.571	57400.	48800.	9361097.884	3059.591	49090.	49425.	54925.	57010.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	28	6.115	6.44	9.03	4.25	1.598	1.264	4.649	5.683	7.36	8.446
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	28	7.5	7.574	7.9	7.38	0.04	0.199	7.38	7.39	7.757	7.891
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	28	7.496	7.534	7.9	7.38	0.041	0.204	7.38	7.39	7.757	7.891
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	28	0.032	0.029	0.042	0.013	0.	0.012	0.013	0.018	0.041	0.042
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	28	33.45	34.325	38.6	32.	5.224	2.286	32.29	32.6	36.575	38.31
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	3.	21.65	200.	1.	2586.239	50.855	1.	1.	14.5	119.6
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	0.452	0.613	2.301	0.	0.541	0.736	0.	0.	1.153	2.044
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4.103								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	1.	3.9	22.	1.	31.989	5.656	1.	1.	4.	13.8
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.	0.308	1.342	0.	0.205	0.453	0.	0.	0.602	1.139
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.031								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	1.	2.5	20.	1.	18.158	4.261	1.	1.	2.	4.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.	0.185	1.301	0.	0.12	0.346	0.	0.	0.301	0.602
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			1.533								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	28	25.7	26.243	29.7	24.	3.139	1.772	24.47	24.9	27.675	29.42

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	30	11.85	11.983	14.7	9.3	3.158	1.777	9.3	10.8	13.7	13.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	30	52100.	51913.333	52700.	51200.	205333.333	453.137	51210.	51475.	52200.	52400.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	8	7.435	7.05	8.35	5.35	1.055	1.027	**	**	**	**
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	22	7.64	7.552	7.94	7.14	0.069	0.262	7.16	7.268	7.718	7.91
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	22	7.64	7.474	7.94	7.14	0.075	0.274	7.16	7.268	7.717	7.91
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	22	0.023	0.034	0.072	0.011	0.	0.022	0.012	0.019	0.054	0.069
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	30	34.43	34.387	35.13	33.92	0.114	0.337	33.927	34.093	34.55	34.898
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20 ##	1.5	2.85	11.	1.	8.029	2.834	1.	1.	4.	7.8
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20 ##	0.151	0.295	1.041	0.	0.129	0.359	0.	0.	0.602	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 1991 - Station GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.974								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	1.	1.5	6.	1.	1.632	1.277	1.	1.	1.	3.8
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.	0.099	0.778	0.	0.05	0.224	0.	0.	0.	0.572
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.256								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	1.	1.65	6.	1.	1.924	1.387	1.	1.	1.75	4.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.	0.129	0.778	0.	0.062	0.249	0.	0.	0.226	0.602
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			1.347								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	30	26.015	26.122	27.18	25.37	0.202	0.45	25.82	25.88	26.17	27.003

** - 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 1992 - Station GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	32	14.2	14.159	15.9	12.8	0.822	0.907	12.9	13.25	14.6	15.57
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	32	50550.	51237.5	52700.	49900.	1021774.194	1010.828	50030.	50400.	52300.	52470.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	32	8.23	8.283	11.24	7.14	0.92	0.959	7.2	7.433	8.628	9.594
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	32	8.08	8.117	8.39	7.97	0.008	0.091	8.05	8.06	8.17	8.214
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	32	8.08	8.109	8.39	7.97	0.008	0.092	8.05	8.06	8.17	8.214
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	32	0.008	0.008	0.011	0.004	0.	0.001	0.006	0.007	0.009	0.009
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	32	33.3	33.669	34.7	32.7	0.576	0.759	32.9	33.	34.5	34.6
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	3.	12.35	122.	1.	721.082	26.853	1.	1.	10.	27.4
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	0.452	0.614	2.086	0.	0.377	0.614	0.	0.	1.	1.437
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4.113								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	1.5	3.6	12.	1.	16.147	4.018	1.	1.	5.5	11.8
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.151	0.337	1.079	0.	0.178	0.422	0.	0.	0.734	1.071
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.173								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	1.5	2.5	12.	1.	7.842	2.8	1.	1.	2.	7.6
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.151	0.25	1.079	0.	0.105	0.325	0.	0.	0.301	0.873
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			1.777								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	32	25.85	26.034	26.9	24.9	0.458	0.677	25.03	25.525	26.7	26.87

** - 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

Annual Analysis for 1993 - Station GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	31	13.	12.806	15.	10.	1.895	1.376	10.2	12.	14.	14.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	31	49900.	47419.355	51500.	40000.	18272946.237	4274.687	40200.	41200.	50200.	51040.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	31	8.3	7.884	9.8	3.5	2.88	1.697	4.1	7.5	9.1	9.38
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	31	8.17	8.041	8.34	7.58	0.053	0.231	7.63	7.96	8.23	8.282
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	31	8.17	7.977	8.34	7.58	0.058	0.24	7.63	7.96	8.23	8.282
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	31	0.007	0.011	0.026	0.005	0.	0.006	0.005	0.006	0.011	0.023
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	31	33.	32.742	33.	31.	0.331	0.575	32.	33.	33.	33.
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20 ##	1.5	3.05	10.	1.	6.366	2.523	1.	1.	5.	5.9
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20 ##	0.151	0.339	1.	0.	0.135	0.368	0.	0.	0.699	0.77
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2.182								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	1.	2.15	10.	1.	5.503	2.346	1.	1.	2.	5.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.	0.185	1.	0.	0.103	0.321	0.	0.	0.301	0.699
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.531								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	1.	1.55	6.	1.	2.366	1.538	1.	1.	1.	5.6
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.	0.093	0.778	0.	0.059	0.244	0.	0.	0.	0.73
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			1.238								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	31	25.6	25.455	26.5	23.6	0.43	0.656	24.52	25.4	25.7	26.34

** - 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 GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	28	12.4	12.282	14.2	11.	1.526	1.235	11.	11.	13.2	14.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	28	50300.	49635.714	50900.	45500.	2301640.212	1517.116	46760.	49425.	50575.	50610.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	23	7.54	7.508	8.64	4.83	0.848	0.921	6.572	6.76	8.44	8.486
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	28	8.03	8.044	8.2	7.84	0.01	0.101	7.919	7.953	8.138	8.154
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	28	8.03	8.032	8.2	7.84	0.01	0.102	7.919	7.953	8.137	8.154
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	28	0.009	0.009	0.014	0.006	0.	0.002	0.007	0.007	0.011	0.012
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	28	32.9	32.836	33.2	32.	0.094	0.307	32.18	32.825	33.	33.1
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20 ##	2.5	10.875	50.	2.5	294.26	17.154	2.5	2.5	8.75	50.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20 ##	0.398	0.692	1.699	0.398	0.237	0.486	0.398	0.398	0.925	1.699
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4.923								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	2.5	7.375	50.	2.5	212.813	14.588	2.5	2.5	2.5	45.5
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.398	0.543	1.699	0.398	0.161	0.401	0.398	0.398	0.398	1.599
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.492								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	2.5	2.75	5.	2.5	0.592	0.769	2.5	2.5	2.5	4.75
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.398	0.428	0.699	0.398	0.009	0.093	0.398	0.398	0.398	0.669
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.679								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	28	25.8	25.654	26.1	24.6	0.151	0.389	24.98	25.4	26.	26.01

** - 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 1995 - Station GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	31	12.9	12.761	14.1	11.8	0.331	0.575	11.94	12.3	13.1	13.48
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	23	38680.	38760.87	40610.	37780.	291908.3	540.285	38250.	38480.	39090.	39344.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	31	7.59	8.073	12.59	4.77	5.398	2.323	4.87	6.74	10.12	12.508
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	31	8.38	8.359	8.82	8.04	0.065	0.256	8.062	8.12	8.54	8.81
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	31	8.38	8.295	8.82	8.04	0.07	0.264	8.062	8.12	8.54	8.81
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	31	0.004	0.005	0.009	0.002	0.	0.003	0.002	0.003	0.008	0.009
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	31	33.2	33.087	34.2	31.6	0.29	0.538	32.32	32.7	33.4	33.68
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20 ##	2.5	3.625	15.	2.5	10.181	3.191	2.5	2.5	2.5	9.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20 ##	0.398	0.482	1.176	0.398	0.048	0.22	0.398	0.398	0.398	0.97
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3.034								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	2.5	3.5	20.	2.5	15.395	3.924	2.5	2.5	2.5	4.75
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.398	0.458	1.301	0.398	0.044	0.209	0.398	0.398	0.398	0.669
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.872								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.398	0.398	0.398	0.398	0.	0.	0.398	0.398	0.398	0.398
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.5								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	31	25.96	25.797	26.7	24.46	0.284	0.533	25.062	25.37	26.16	26.4

** - 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 1996 - Station GOGA0101

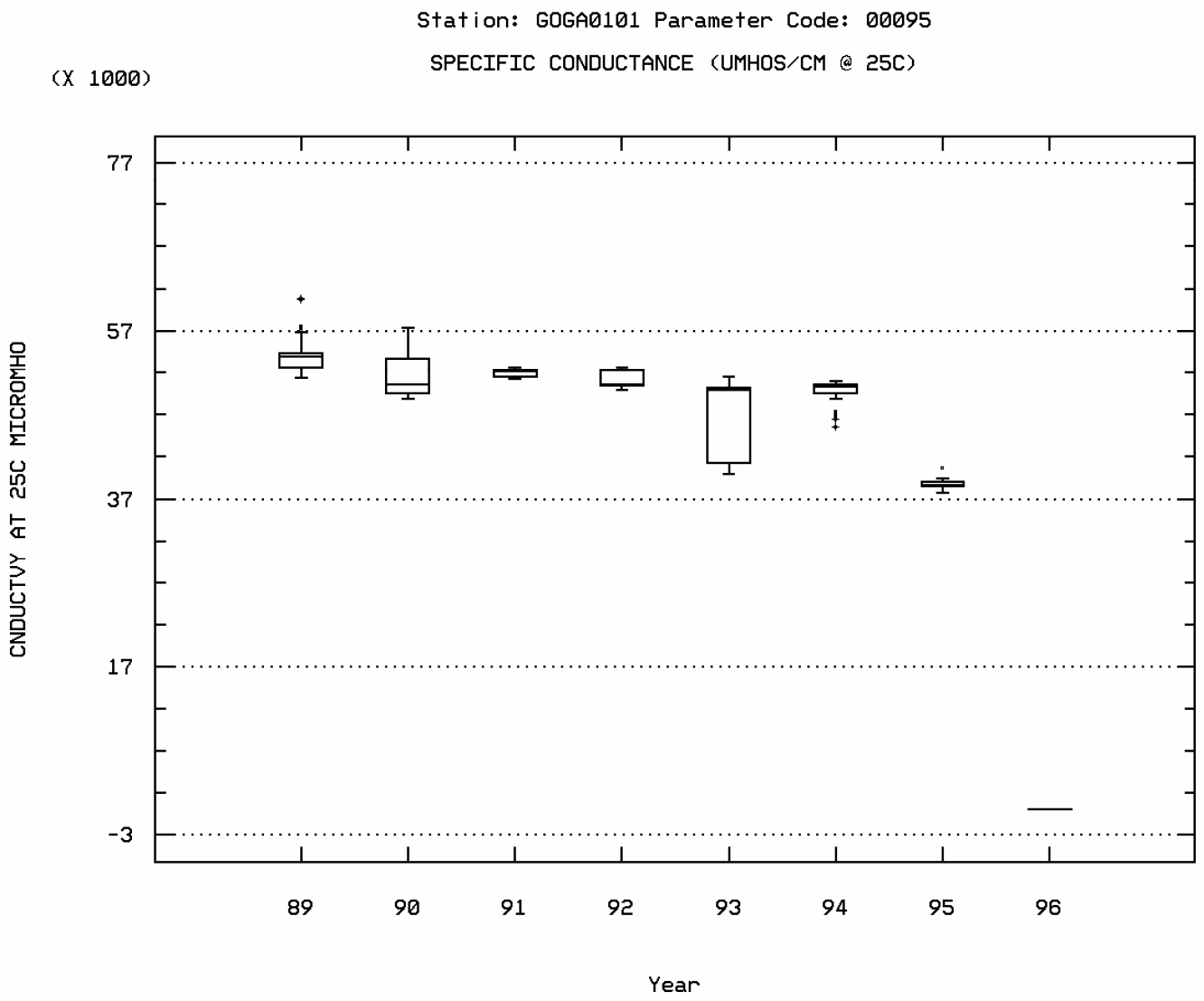
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	29	11.7	11.669	13.2	9.1	1.079	1.039	9.8	11.35	12.3	13.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	29	40.89	40.445	41.54	38.21	1.044	1.022	38.35	39.845	41.365	41.47
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	29	7.6	7.532	8.8	3.83	1.435	1.198	5.89	7.47	8.31	8.66
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	29	8.	7.998	8.18	7.73	0.016	0.126	7.83	7.905	8.08	8.18
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	29	8.	7.98	8.18	7.73	0.016	0.127	7.83	7.905	8.08	8.18
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	29	0.01	0.01	0.019	0.007	0.	0.003	0.007	0.008	0.013	0.015
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	29	36.4	35.5	36.7	32.2	2.327	1.525	32.5	34.5	36.6	36.7
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20 ##	10.	18.375	50.	2.5	374.523	19.353	2.5	5.	42.5	50.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20 ##	1.	1.024	1.699	0.398	0.223	0.473	0.398	0.699	1.599	1.699

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

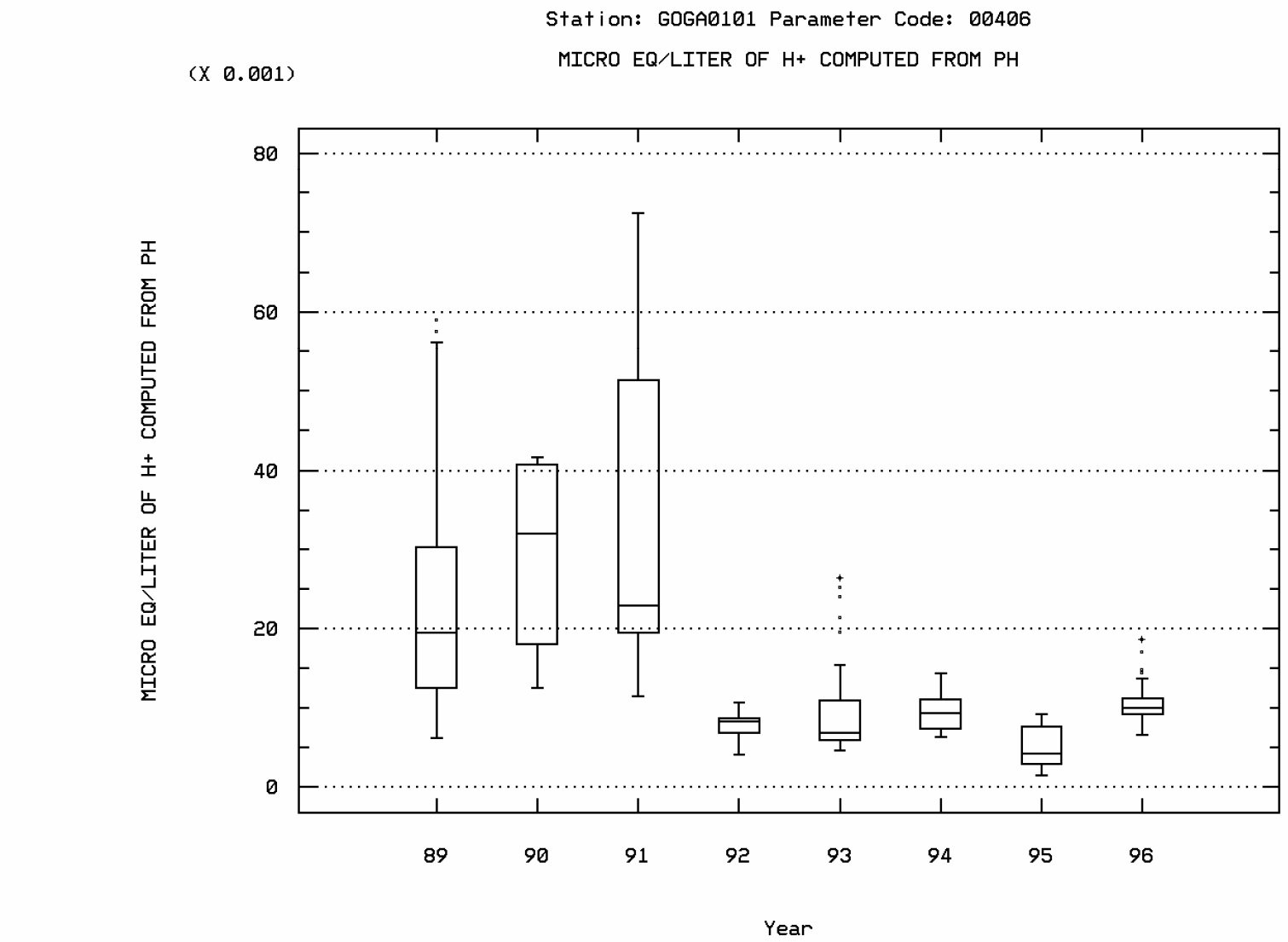
Annual Analysis for 1996 - Station GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			10.574								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	5.	8.875	50.	2.5	157.549	12.552	2.5	5.	5.	37.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.699	0.764	1.699	0.398	0.11	0.332	0.398	0.699	0.699	1.542
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.808								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	3.75	3.75	5.	2.5	1.645	1.282	2.5	2.5	5.	5.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.548	0.548	0.699	0.398	0.024	0.154	0.398	0.398	0.699	0.699
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.536								

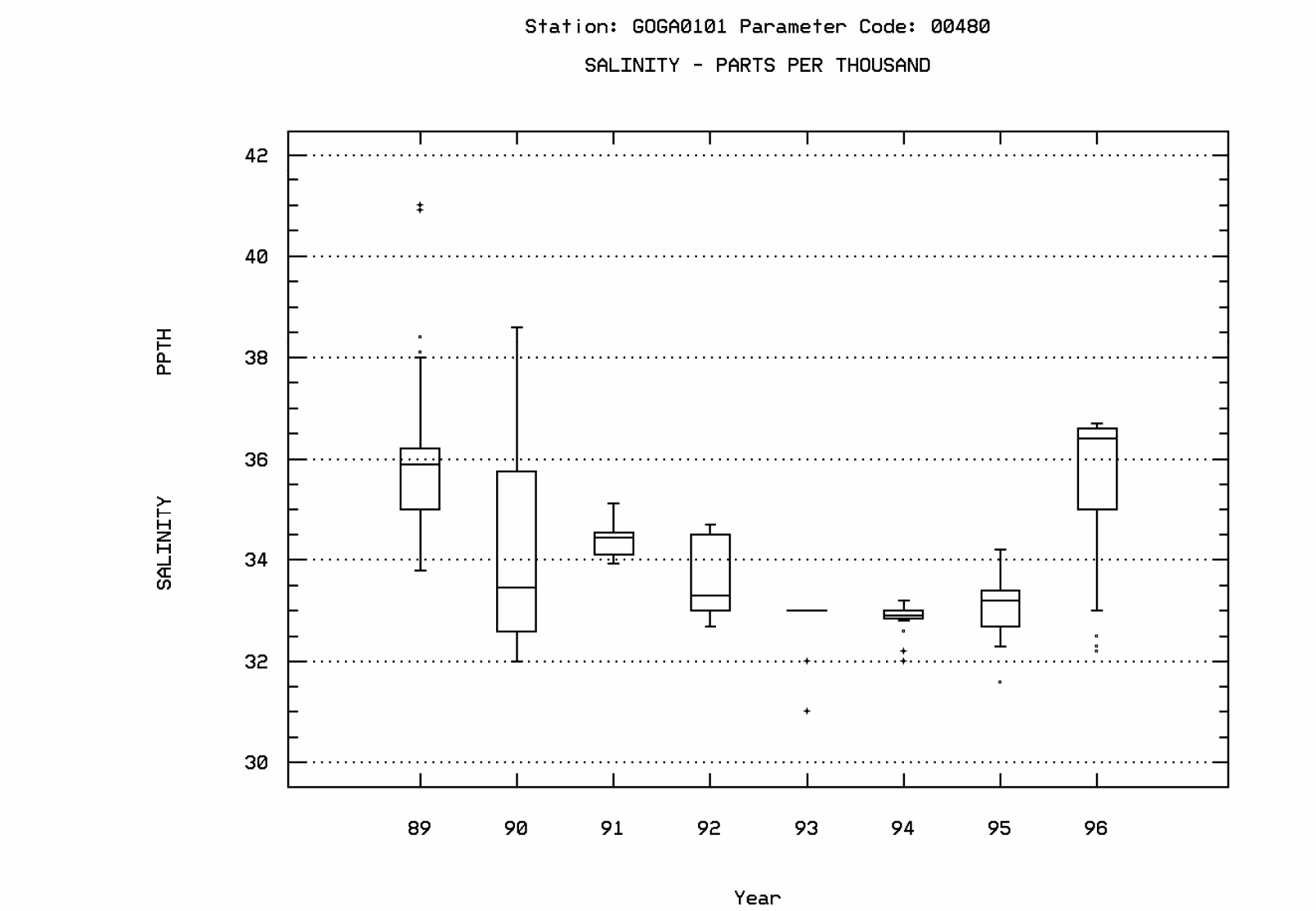
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



PACIFIC OCEAN WEST OF SAN MATEO COUNTY



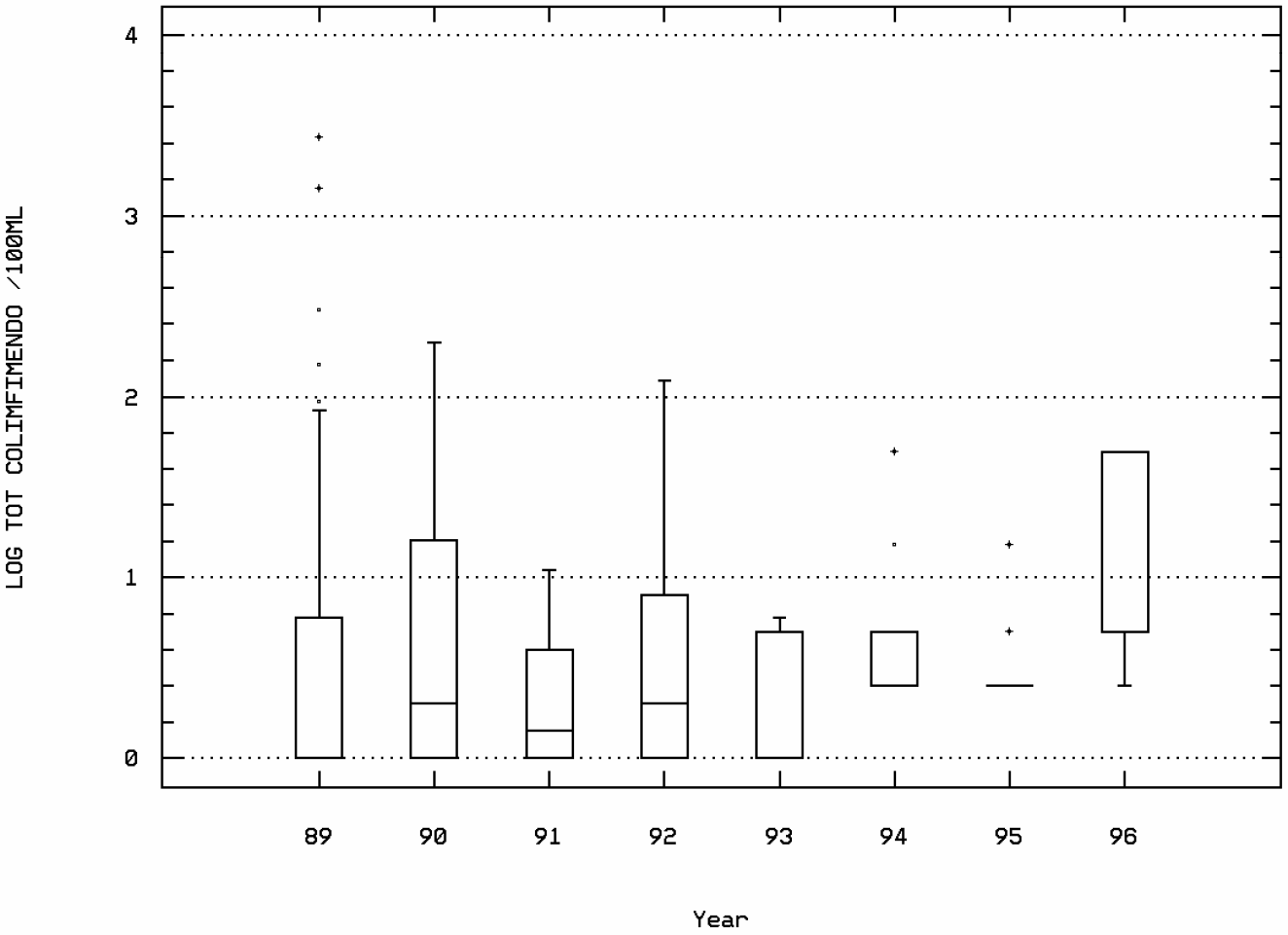
PACIFIC OCEAN WEST OF SAN MATEO COUNTY



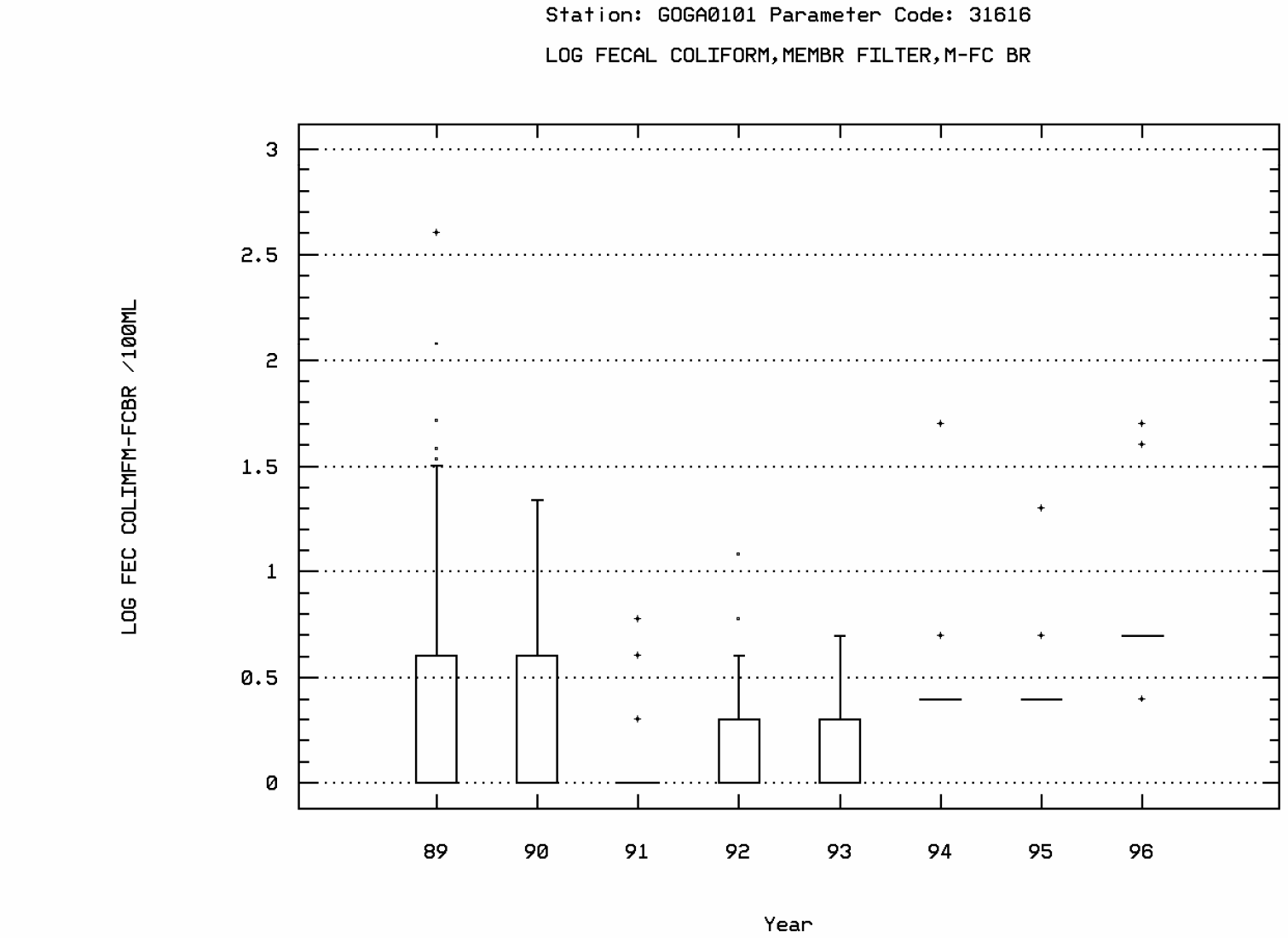
PACIFIC OCEAN WEST OF SAN MATEO COUNTY

Station: GOGA0101 Parameter Code: 31501

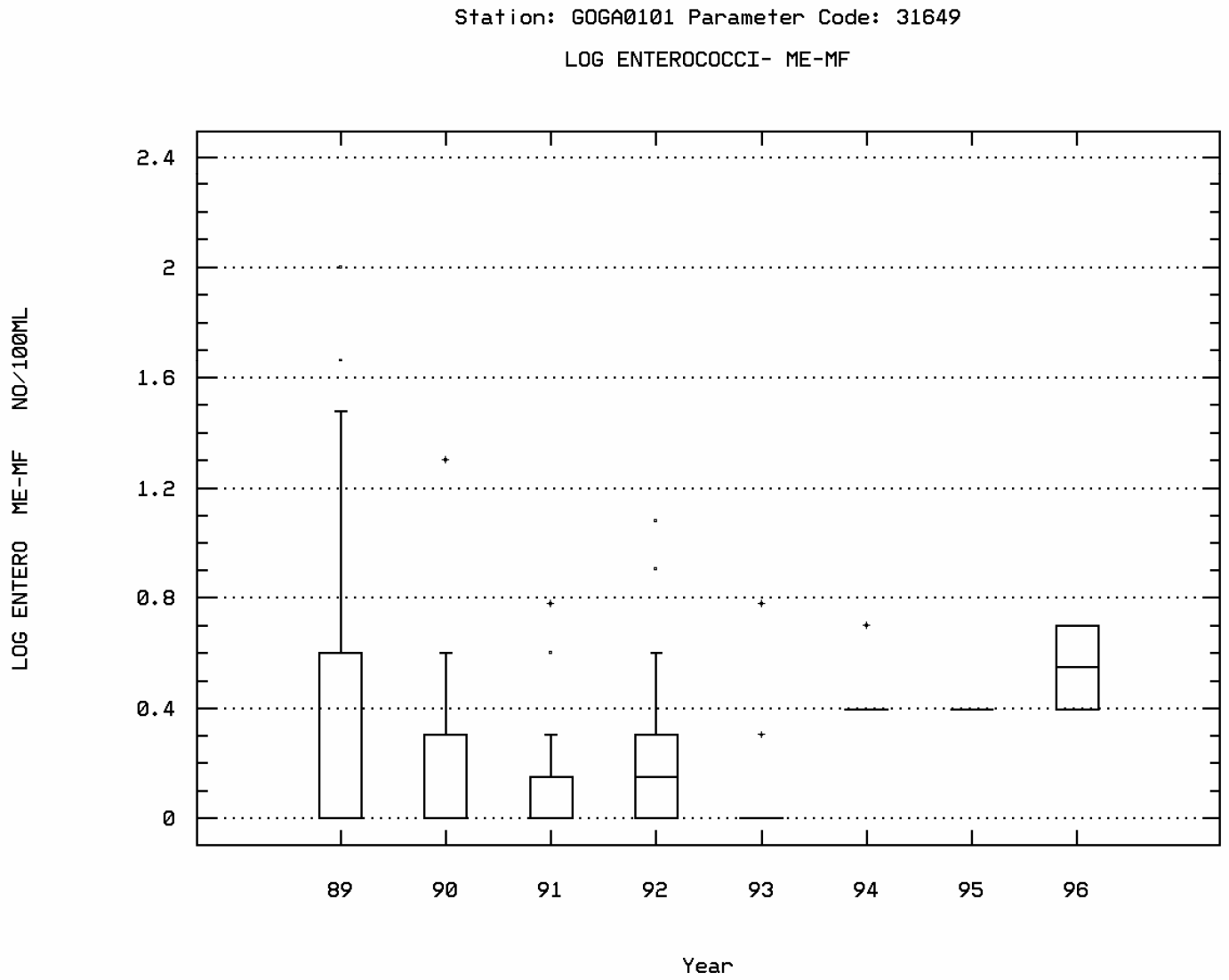
LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



PACIFIC OCEAN WEST OF SAN MATEO COUNTY



PACIFIC OCEAN WEST OF SAN MATEO COUNTY



PACIFIC OCEAN WEST OF SAN MATEO COUNTY

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	109	13.5	13.053	15.	9.1	2.068	1.438	11.	12.1	14.2	14.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	10	3.45	3.44	4.3	2.5	0.467	0.683	2.51	2.825	4.075	4.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	101	52300.	46900.411	57400.	39.78192075	687.922	13859.137	38520.	46600.	53950.	54740.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	97	7.54	8.112	13.	3.5	8.199	2.863	4.274	6.	9.75	13.
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	109	7.89	7.932	8.82	7.23	0.116	0.341	7.51	7.655	8.1	8.33
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	109	7.89	7.815	8.82	7.23	0.13	0.36	7.51	7.655	8.1	8.33
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	109	0.013	0.015	0.059	0.002	0.	0.011	0.005	0.008	0.022	0.031
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	109	34.51	34.567	38.6	32.	2.572	1.604	32.8	33.	35.85	36.6
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	75 ##	1.	45.84	2700.	1.	97466.305	312.196	1.	1.	2.5	10.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	75 ##	0.	0.387	3.431	0.	0.41	0.64	0.	0.	0.398	1.
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2.436								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	75 ##	1.	8.473	400.	1.	2126.371	46.113	1.	1.	2.5	10.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	75 ##	0.	0.308	2.602	0.	0.205	0.453	0.	0.	0.398	1.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.035								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	75 ##	1.	3.34	100.	1.	132.319	11.503	1.	1.	2.5	2.5
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	75 ##	0.	0.232	2.	0.	0.11	0.331	0.	0.	0.398	0.398
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			1.704								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	102	26.36	26.398	29.7	24.5	1.039	1.019	25.379	25.8	26.8	27.71

** - 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 box-and-whisker plot

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	98	12.	12.349	15.9	10.7	1.694	1.302	10.8	11.3	13.	14.41
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	11	2.1	2.473	4.	1.1	0.844	0.919	1.22	1.7	3.	3.98
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	98	50500.	43241.924	60800.	40.89361772	566.03	19020.32	41.379	49325.	51400.	57400.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	90	7.7	7.735	11.24	5.35	0.926	0.963	6.134	7.318	8.3	8.495
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	90	8.	7.961	8.39	7.38	0.049	0.221	7.691	7.895	8.112	8.2
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	90	8.	7.894	8.39	7.38	0.053	0.231	7.691	7.895	8.112	8.2
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	90	0.01	0.013	0.042	0.004	0.	0.009	0.006	0.008	0.013	0.02
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	98	33.91	34.723	41.	32.	5.812	2.411	32.79	33.	36.4	38.4
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	65	5.	13.223	150.	1.	705.985	26.57	1.	2.	10.	36.8
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	65	0.699	0.68	2.176	0.	0.33	0.574	0.	0.301	1.	1.548
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4.781								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	65 ##	2.	5.546	52.	1.	108.763	10.429	1.	1.	5.	12.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	65 ##	0.301	0.411	1.716	0.	0.213	0.461	0.	0.	0.699	1.079
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.574								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	65 ##	2.	3.138	12.	1.	7.309	2.703	1.	1.	5.	6.
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	65 ##	0.301	0.359	1.079	0.	0.118	0.344	0.	0.	0.699	0.778
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.286								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	83	25.99	26.394	31.1	24.	2.94	1.715	24.94	25.6	26.13	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 box-and-whisker plot

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	83	12.4	11.823	14.	9.3	2.363	1.537	9.9	10.3	13.	14.
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	7	2.6	2.486	3.6	1.4	0.601	0.776	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	83	51500.	46060.516	54400.	38.21214416	061.161	14642.953	37968.	49300.	52700.	53900.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	76	7.69	7.473	10.	4.	1.698	1.303	5.31	6.85	8.19	8.83
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	83	7.86	7.808	8.45	7.14	0.155	0.393	7.272	7.45	8.17	8.328
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	83	7.86	7.644	8.45	7.14	0.182	0.427	7.272	7.45	8.17	8.328
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	83	0.014	0.023	0.072	0.004	0.	0.019	0.005	0.007	0.035	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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	83	34.2	33.961	36.3	31.	1.792	1.339	32.3	33.	35.	35.96
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	54	4.	42.148	1400.	1.	37270.968	193.057	1.	2.	12.25	50.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	54	0.602	0.744	3.146	0.	0.467	0.683	0.	0.301	1.088	1.699
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			5.542								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55 ##	2.5	10.436	120.	1.	578.51	24.052	1.	1.	6.	34.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55 ##	0.398	0.533	2.079	0.	0.307	0.555	0.	0.	0.778	1.535
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.414								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	55 ##	2.	4.1	46.	1.	62.133	7.882	1.	1.	2.5	8.4
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	55 ##	0.301	0.33	1.663	0.	0.158	0.397	0.	0.	0.398	0.899
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.136								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	76	26.3	26.252	27.9	23.6	0.942	0.97	25.	25.435	26.9	27.53

** - 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

Station Inventory for Station: GOGA0102

NPS Station ID: GOGA0102
LAT/LON: 37.710550/-122.486146
Agency: 11NPSWRD
Date Created: 06/12/99
Location: SOUTH LAKE MERCED
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): GOGA_COE_SMERC
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO SOUTH; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT SOUTH LAKE MERCED (EXACT SAMPLING COORDS. UNKNOWN) AND IS OUTSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM A REPORT BY MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. ASSUMPTIONS HAVE BEEN MADE ABOUT SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NRA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	07/27/06-07/27/06	1	267.	267.	267.	267.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/27/06-07/27/06	1	122.	122.	122.	122.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/27/06-07/27/06	1	165.	165.	165.	165.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/27/06-07/27/06	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/06-07/27/06	1	135.	135.	135.	135.	0.	0.	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/27/06-07/27/06	1	116.	116.	116.	116.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/27/06-07/27/06	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/27/06-07/27/06	1	61.	61.	61.	61.	0.	0.	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	10/05/06-10/05/06	1	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	10/05/06-10/05/06	1	3.176	3.176	3.176	3.176	0.	0.	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			1500.								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/27/06-07/27/06	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/27/06-07/27/06	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/27/06-07/27/06	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: GOGA0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
71850	NITRATE NITROGEN, TOTAL (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: GOGA0103

NPS Station ID: GOGA0103
LAT/LON: 37.719163/-122.493734
Agency: 11NPSWRD
Date Created: 07/11/98
Location: CENTER OF SOUTH LAKE MERCED
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): GOGA_USGS_SLM
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO SOUTH CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON SOUTH LAKE MERCED APPROXIMATELY 1 MILE WEST OF SAN FRANCISCO STATE COLLEGE AND IS OUTSIDE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. THE EXACT SAMPLING LOCATION WAS NOT SPECIFIED; SO THE APPROXIMATE CENTER OF THE LAKE WAS DIGITIZED TO DETERMINE THE LATITUDE AND LONGITUDE. SAMPLES WERE TAKEN ON 11 APRIL 1955; 19 DECEMBER 1958; 23 JUNE 1967; AND 29 APRIL 1969. THE RESULTS ARE IN "LIMNOLOGICAL DATA FROM SELECTED LAKES IN THE SAN FRANCISCO BAY REGION; CALIFORNIA" BY LINDA BRITTON; RODGER F. FERREIRA; AND ROBERT C. AVERETT (UNITED STATES GEOLOGICAL SURVEY-WATER RESOURCES DIVISION "OPEN-FILE REPORT;" 25 JUNE 1974). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/55-04/29/69	4	561.5	583.25	650.	560.	1982.25	44.522	**	**	**	**
00400	PH (STANDARD UNITS)	04/11/55-04/29/69	4	8.45	8.525	9.	8.2	0.129	0.359	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/11/55-04/29/69	4	8.425	8.431	9.	8.2	0.141	0.375	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/55-04/29/69	4	0.004	0.004	0.006	0.001	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/58-04/29/69	3	165.	156.667	167.	138.	262.333	16.197	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/11/55-04/29/69	4	180.5	181.5	201.	164.	229.667	15.155	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/11/55-04/29/69	4 ##	1.5	3.25	10.	0.	22.25	4.717	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/11/55-04/29/69	3	0.11	0.24	0.54	0.07	0.068	0.261	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/19/58-04/29/69	3	200.	190.	200.	170.	300.	17.321	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/11/55-04/29/69	4	28.	27.75	29.	26.	2.25	1.5	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/11/55-04/29/69	4	28.5	27.75	30.	24.	8.25	2.872	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/11/55-04/29/69	4	52.5	52.	58.	45.	28.667	5.354	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/19/58-04/29/69	3	2.1	2.067	2.2	1.9	0.023	0.153	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/11/55-04/29/69	4	88.5	85.5	96.	69.	161.667	12.715	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/11/55-04/29/69	4	19.	19.75	25.	16.	16.917	4.113	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/19/58-04/29/69	3	0.1	0.167	0.3	0.1	0.013	0.115	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/11/55-04/29/69	4	26.5	26.5	40.	13.	149.667	12.234	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	04/11/55-04/29/69	3	50.	50.	80.	20.	900.	30.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/11/55-04/29/69	4	330.	327.5	340.	310.	158.333	12.583	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0103

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	4	1	0.25	1	0	0.00	1	1	1.00	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			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00				1	0	0.00	2	0	0.00			
00941	CHLORIDE, DISSOLVED 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			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	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

Station Inventory for Station: GOGA0104

NPS Station ID: GOGA0104
LAT/LON: 37.721391/-122.414179
Agency: 112WRD
Date Created: 09/30/89
Location: 002S005W33BS01M
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 374317122245101
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 10.20
On/Off RF1:
RF3 Index: 18050002104300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/08/88-05/16/89	2	16.25	16.25	17.	15.5	1.125	1.061	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/08/88-05/16/89	2	393.	393.	401.	385.	128.	11.314	**	**	**	**
00400	PH (STANDARD UNITS)	12/08/88-05/16/89	2	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/08/88-05/16/89	2	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/08/88-05/16/89	2	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/08/88-05/16/89	2	7.15	7.15	7.3	7.	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/08/88-05/16/89	2	7.125	7.125	7.3	7.	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/08/88-05/16/89	2	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/08/88-05/16/89	2	120.5	120.5	123.	118.	12.5	3.536	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/08/88-05/16/89	2 ##	0.013	0.013	0.02	0.005	0.	0.011	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/08/88-05/16/89	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/08/88-05/16/89	2	2.9	2.9	3.6	2.2	0.98	0.99	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/08/88-05/16/89	2	19.	19.	19.	19.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/08/88-05/16/89	2	23.5	23.5	24.	23.	0.5	0.707	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/08/88-05/16/89	2	26.	26.	26.	26.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/08/88-05/16/89	2	2.05	2.05	2.1	2.	0.005	0.071	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/08/88-05/16/89	2	29.5	29.5	33.	26.	24.5	4.95	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/88-05/16/89	2	26.	26.	29.	23.	18.	4.243	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/08/88-05/16/89	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/08/88-05/16/89	2	39.5	39.5	40.	39.	0.5	0.707	**	**	**	**
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	05/16/89-05/16/89	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/08/88-05/16/89	2	249.	249.	255.	243.	72.	8.485	**	**	**	**
71870	BROMIDE (MG/L AS BR)	12/08/88-05/16/89	2	0.295	0.295	0.34	0.25	0.004	0.064	**	**	**	**
82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	05/16/89-05/16/89	1	-43.	-43.	-43.	-43.	0.	0.	**	**	**	**
82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	05/16/89-05/16/89	1	-6.3	-6.3	-6.3	-6.3	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: GOGA0104

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00403	PH, LAB	Fresh Chronic	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: GOGA0104

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 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	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
07000	TRITIUM, TOTAL	Drinking Water	20000.	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: GOGA0105

NPS Station ID: GOGA0105
LAT/LON: 37.723664/-122.496540
Agency: 21CAL-3
Date Created: 11/21/87
Location: 38-001 LAKE MERCED-RAW
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D38/001-MRCED-R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 11.60
On/Off RF1:
RF3 Index: 18050004149000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:
DIST 04 SAN FRANCISCO WATER DEPT

Parameter Inventory for Station: GOGA0105

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: GOGA0106

NPS Station ID: GOGA0106 LAT/LON: 37.724999/-122.498902 Agency: 112WRD Date Created: 09/30/89
Location: LK MERCED A BOATHOUSE AT SAN FRANCISCO CA FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 374330122295601
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 17.60 On/Off RF1:
RF3 Index: 18050002104000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.56 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/17/87-05/02/88	3	15.5	15.833	18.	14.	4.083	2.021	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/17/87-05/02/88	3	650.	649.	654.	643.	31.	5.568	**	**	**	**
00400	PH (STANDARD UNITS)	11/17/87-05/02/88	3	8.3	8.367	8.6	8.2	0.043	0.208	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/17/87-05/02/88	3	8.3	8.336	8.6	8.2	0.045	0.211	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/17/87-05/02/88	3	0.005	0.005	0.006	0.003	0.	0.002	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/17/87-05/02/88	3	8.1	8.067	8.2	7.9	0.023	0.153	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/17/87-05/02/88	3	8.1	8.048	8.2	7.9	0.024	0.154	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/17/87-05/02/88	3	0.008	0.009	0.013	0.006	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/17/87-05/02/88	3	196.	197.	201.	194.	13.	3.606	**	**	**	**
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	11/17/87-05/02/88	3	200.	198.	202.	192.	28.	5.292	**	**	**	**
00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	11/17/87-05/02/88	3	0.	2.667	8.	0.	21.333	4.619	**	**	**	**
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	11/17/87-05/02/88	3	234.	236.	244.	230.	52.	7.211	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/17/87-05/02/88	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/17/87-05/02/88	3	31.	30.667	31.	30.	0.333	0.577	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/17/87-05/02/88	3	33.	32.667	33.	32.	0.333	0.577	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/17/87-05/02/88	3	59.	59.333	60.	59.	0.333	0.577	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/17/87-05/02/88	3	2.1	2.2	2.4	2.1	0.03	0.173	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/17/87-05/02/88	3	78.	77.333	79.	75.	4.333	2.082	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/17/87-05/02/88	3	28.	28.667	35.	23.	36.333	6.028	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/17/87-05/02/88	3	0.3	0.333	0.4	0.3	0.003	0.058	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/17/87-05/02/88	3	35.	35.667	38.	34.	4.333	2.082	**	**	**	**
71870	BROMIDE (MG/L AS BR)	11/17/87-05/02/88	3	0.21	0.207	0.22	0.19	0.	0.015	**	**	**	**
82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	11/17/87-05/02/88	3	-6.	-7.667	-6.	-11.	8.333	2.887	**	**	**	**
82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	11/17/87-05/02/88	3	0.8	0.067	0.8	-0.9	0.763	0.874	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0106

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	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	Fresh Chronic	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

EPA Water Quality Criteria Analysis for Station: GOGA0106

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00				1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	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: GOGA0107

NPS Station ID: GOGA0107
LAT/LON: 37.727585/-122.496672
Agency: 11NPSWRD
Date Created: 07/11/98
Location: CENTER OF NORTH LAKE MERCED
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): GOGA_USGS_NLM
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO SOUTH CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON NORTH LAKE MERCED APPROXIMATELY 1 MILE WEST OF STONESTOWN AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. THE EXACT SAMPLING LOCATION WAS NOT SPECIFIED IN THE REPORT; SO THE APPROXIMATE CENTER OF THE LAKE WAS DIGITIZED TO DETERMINE THE LATITUDE AND LONGITUDE. SAMPLES WERE COLLECTED ON 11 APRIL 1955; 19 DECEMBER 1958; AND 5 JUNE 1972. THE RESULTS ARE IN "LIMNOLOGICAL DATA FROM SELECTED LAKES IN THE SAN FRANCISCO BAY REGION; CALIFORNIA" BY LINDA BRITTON; RODGER F. FERREIRA; AND ROBERT C. AVERETT (UNITED STATES GEOLOGICAL SURVEY-WATER RESOURCES DIVISION "OPEN-FILE REPORT;" 25 JUNE 1974). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/55-06/05/72	3	640.	640.	743.	537.	10609.	103.	**	**	**	**
00400	PH (STANDARD UNITS)	04/11/55-06/05/72	3	7.9	7.933	8.3	7.6	0.123	0.351	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/11/55-06/05/72	3	7.9	7.846	8.3	7.6	0.135	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/55-06/05/72	3	0.013	0.014	0.025	0.005	0.	0.01	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/58-06/05/72	2	189.5	189.5	208.	171.	684.5	26.163	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/11/55-06/05/72	3	207.	205.667	253.	157.	2305.333	48.014	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/11/55-06/05/72	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	04/11/55-06/05/72	3	0.02	0.043	0.11	0.	0.003	0.059	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/19/58-06/05/72	2	215.	215.	230.	200.	450.	21.213	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/11/55-06/05/72	3	28.	29.667	35.	26.	22.333	4.726	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/11/55-06/05/72	3	30.	29.667	35.	24.	30.333	5.508	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/11/55-06/05/72	3	57.	56.333	62.	50.	36.333	6.028	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/19/58-06/05/72	2	2.2	2.2	2.4	2.	0.08	0.283	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/11/55-06/05/72	3	92.	88.	96.	76.	112.	10.583	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/11/55-06/05/72	3	29.	27.667	35.	19.	65.333	8.083	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/19/58-06/05/72	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/11/55-06/05/72	3	19.	18.	27.	8.	91.	9.539	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	04/11/55-06/05/72	2	55.	55.	60.	50.	50.	7.071	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/05/72-06/05/72	1	90.	90.	90.	90.	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: GOGA0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/11/55-06/05/72	3	340.	353.333	420.	300.	3733.333	61.101	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0107

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	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			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	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: GOGA0108

NPS Station ID: GOGA0108 | LAT/LON: 37.732499/-122.499147 | Agency: 11NPSWRD | Date Created: 06/12/99
Location: NORTH LAKE MERCED | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): GOGA_COE_NMERC
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO SOUTH; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT NORTH LAKE MERCED (EXACT SAMPLING COORDS. UNKNOWN) AND IS OUTSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM A REPORT BY MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. ASSUMPTIONS HAVE BEEN MADE ABOUT SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NRA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	07/27/06-07/27/06	1	311.	311.	311.	311.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/27/06-07/27/06	1	126.	126.	126.	126.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/27/06-07/27/06	1	185.	185.	185.	185.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/27/06-07/27/06	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/06-07/27/06	1	149.	149.	149.	149.	0.	0.	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/27/06-07/27/06	1	126.	126.	126.	126.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/27/06-07/27/06	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/27/06-07/27/06	1	63.	63.	63.	63.	0.	0.	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	10/05/06-10/05/06	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	10/05/06-10/05/06	1	3.477	3.477	3.477	3.477	0.	0.	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			3000.								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/27/06-07/27/06	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/27/06-07/27/06	1	4.	4.	4.	4.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/27/06-07/27/06	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: GOGA0108

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
71850	NITRATE NITROGEN, TOTAL (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: GOGA0109

NPS Station ID: GOGA0109 LAT/LON: 37.735498/-122.507173 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH IN THE SURF IN LINE WITH VICENTE ST FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM21
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT OCEAN BEACH IN THE SURF IN LINE WITH VICENTE ST. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0109

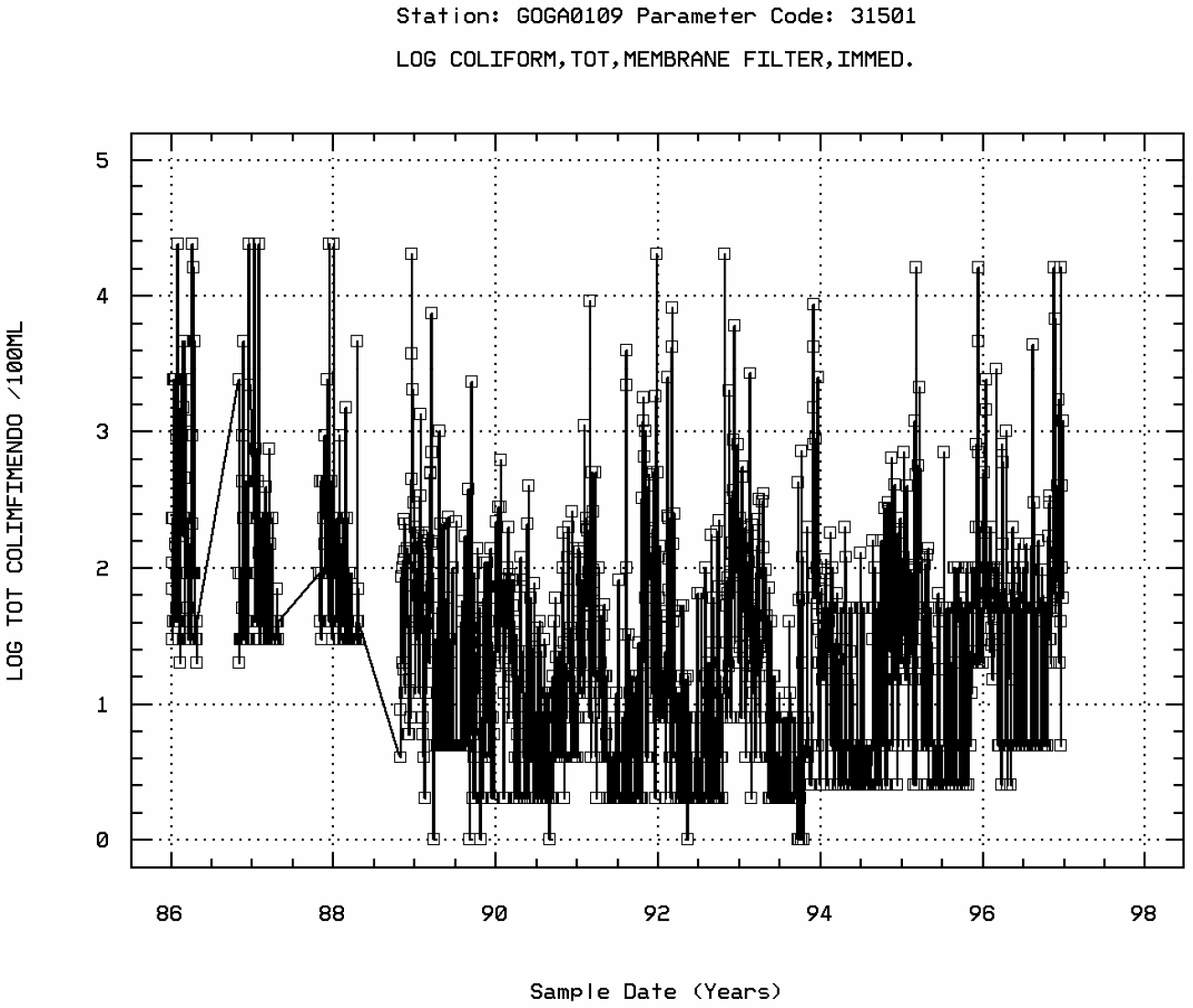
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	1498	20.	374.99	24000.	1.	4702340.852	2168.488	2.	5.	79.25	230.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	1498	1.301	1.387	4.38	0.	0.7	0.837	0.301	0.699	1.899	2.363
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			24.351								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1248	6.	105.407	20000.	1.	956401.427	977.958	1.	2.5	21.5	80.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1248	0.778	0.907	4.301	0.	0.517	0.719	0.	0.398	1.332	1.903
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.08								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	1241	5.	30.995	4200.	0.8	28920.893	170.061	1.	2.	14.	50.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	1241	0.699	0.746	3.623	-0.097	0.431	0.656	0.	0.301	1.146	1.699
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.566								

** - 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: GOGA0109

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1498	67	0.04	506	4	0.01	431	31	0.07	561	32	0.06			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1248	48	0.04	506	7	0.01	329	24	0.07	413	17	0.04			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	1239 &	161	0.13	504	25	0.05	322	73	0.23	413	63	0.15			

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



OCEAN BEACH IN THE SURF IN LINE WITH VI

Annual Analysis for 1986 - Station GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	91	90.	1515.604	24000.	20.	21221349.353	4606.664	30.	30.	460.	2400.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	91	1.954	2.224	4.38	1.301	0.685	0.827	1.477	1.477	2.663	3.38
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			167.565								

** - 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 GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	77	90.	1126.494	24000.	30.	21590075.701	4646.512	30.	35.	230.	494.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	77	1.954	2.084	4.38	1.477	0.453	0.673	1.477	1.54	2.362	2.682
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			121.317								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	75	40.	830.12	24000.	4.	13081471.891	3616.832	12.	30.	150.	642.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	75	1.602	1.853	4.38	0.602	0.542	0.736	1.079	1.477	2.176	2.779
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			71.306								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	10.	126.622	7400.	1.	401157.746	633.37	4.	5.	50.	180.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.	1.246	3.869	0.	0.533	0.73	0.602	0.699	1.699	2.255
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			17.63								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	4.	27.987	1680.	1.	20296.219	142.465	1.	1.	11.5	38.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	0.602	0.649	3.225	0.	0.454	0.673	0.	0.	1.059	1.58
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.454								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	## 1.	22.654	1275.	1.	14305.931	119.607	1.	1.	6.	30.6
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	## 0.	0.431	3.106	0.	0.432	0.657	0.	0.	0.778	1.486
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.697								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	154	12.	39.481	615.	1.	6022.918	77.607	2.	4.	40.	94.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	154	1.079	1.1	2.789	0.	0.417	0.646	0.301	0.602	1.602	1.975
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			12.581								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	4.	11.645	115.	1.	337.62	18.374	1.	2.	12.	30.8
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	0.602	0.694	2.061	0.	0.319	0.565	0.	0.301	1.079	1.488
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.939								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	155	6.	47.994	1460.	1.	31733.435	178.139	1.	2.	20.	62.8
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	155	0.778	0.872	3.164	0.	0.534	0.731	0.	0.301	1.301	1.794
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			7.442								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	157	12.	320.662	20000.	2.	3216053.764	1793.336	2.	4.	58.	416.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	157	1.079	1.252	4.301	0.301	0.776	0.881	0.301	0.602	1.763	2.618
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			17.88								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	4.	190.879	20000.	1.	2633548.799	1622.821	1.	2.	22.	90.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	0.602	0.86	4.301	0.	0.677	0.823	0.	0.301	1.342	1.954
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.248								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	4.	42.749	2000.	0.8	30685.213	175.172	1.	1.	27.5	85.5
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.602	0.802	3.301	-0.097	0.602	0.776	0.	0.	1.439	1.932
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.34								

** - 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 1992 - Station GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	12.	322.404	20000.	1.	3336521.029	1826.615	2.	2.5	60.	188.6
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.079	1.195	4.301	0.	0.735	0.858	0.301	0.376	1.778	2.276
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.653								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	6.	139.174	11100.	1.	888111.21	942.397	1.	2.	22.	102.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	0.778	0.888	4.045	0.	0.656	0.81	0.	0.301	1.342	2.008
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.73								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	4.	62.16	4200.	1.	136919.684	370.027	1.	1.	17.	84.6
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.602	0.728	3.623	0.	0.587	0.766	0.	0.	1.228	1.927
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.345								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	10.	183.019	8640.	1.	685517.38	827.96	2.	2.5	56.5	227.9
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.	1.174	3.937	0.	0.728	0.853	0.301	0.398	1.752	2.358
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			14.927								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	154	6.	133.922	8400.	1.	753854.886	868.248	1.	2.	20.	81.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	154	0.778	0.876	3.924	0.	0.584	0.764	0.	0.301	1.301	1.908
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.516								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	154	3.25	24.214	1100.	1.	13185.411	114.828	1.	1.	10.	33.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	154	0.5	0.638	3.041	0.	0.419	0.647	0.	0.	1.	1.518
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.344								

** - 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 1994 - Station GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	10.	41.413	640.	2.5	6452.778	80.329	2.5	2.5	50.	104.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.	1.132	2.806	0.398	0.407	0.638	0.398	0.398	1.699	2.018
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.542								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	5.	21.571	200.	2.5	1568.969	39.61	2.5	2.5	15.	60.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	0.699	0.91	2.301	0.398	0.302	0.55	0.398	0.398	1.176	1.778
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.132								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	153	## 2.5	8.644	105.	2.5	269.16	16.406	2.5	2.5	5.	20.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	153	## 0.398	0.635	2.021	0.398	0.166	0.408	0.398	0.398	0.699	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 box-and-whisker plot

Annual Analysis for 1994 - Station GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.316								

** - 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 1995 - Station GOGA0109

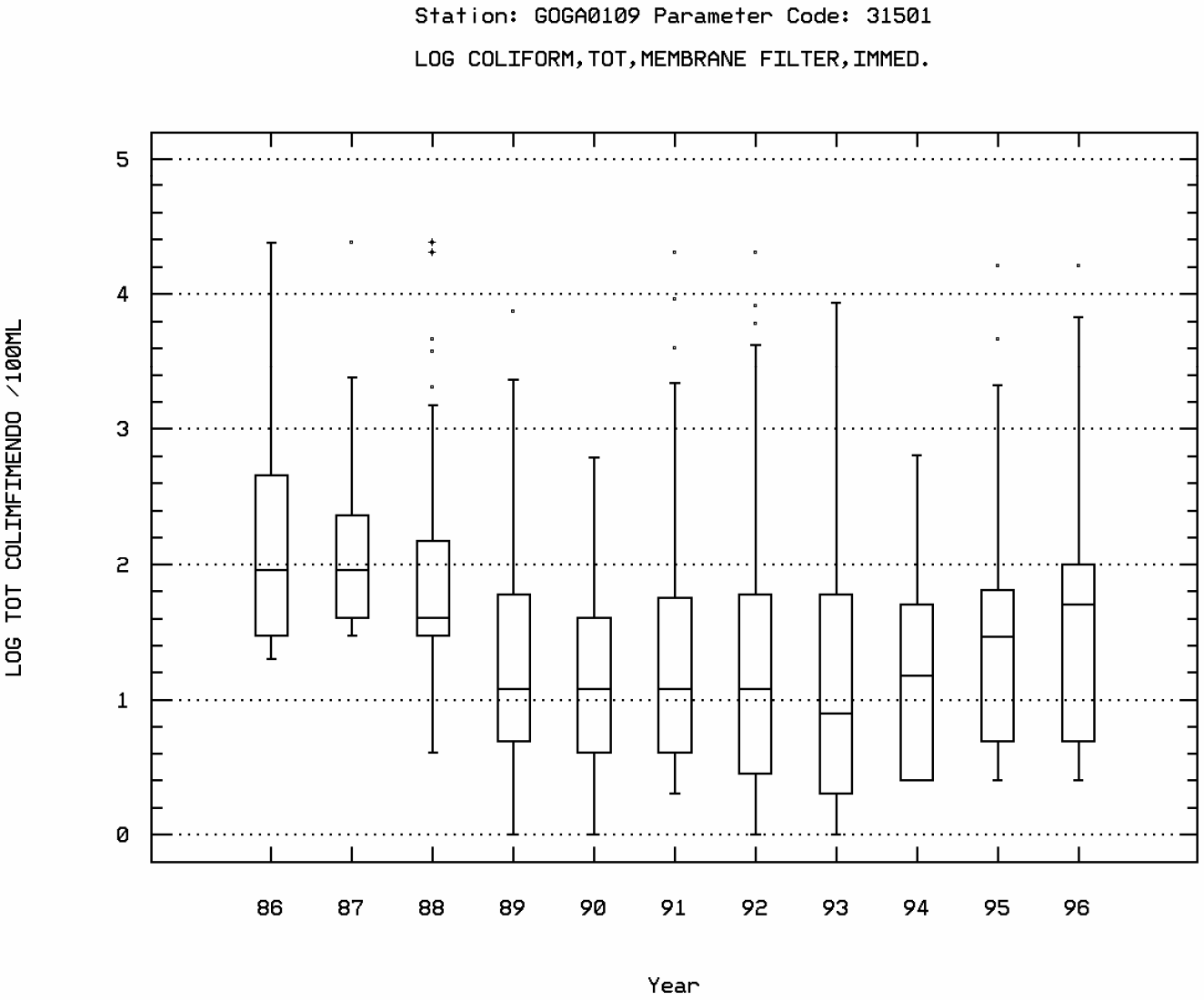
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	158	20.	311.785	16000.	2.5	3358169.049	1832.531	2.5	5.	50.	126.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	158	1.301	1.363	4.204	0.398	0.587	0.766	0.398	0.699	1.699	2.102
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			23.054								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	10.	242.676	16000.	2.5	3254215.251	1803.944	2.5	2.5	40.	100.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	1.	1.091	4.204	0.398	0.5	0.707	0.398	0.398	1.602	2.
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.317								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	154	5.	17.289	210.	2.5	1018.623	31.916	2.5	2.5	20.	37.5
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	154	0.699	0.863	2.322	0.398	0.263	0.513	0.398	0.398	1.301	1.573
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			7.291								

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

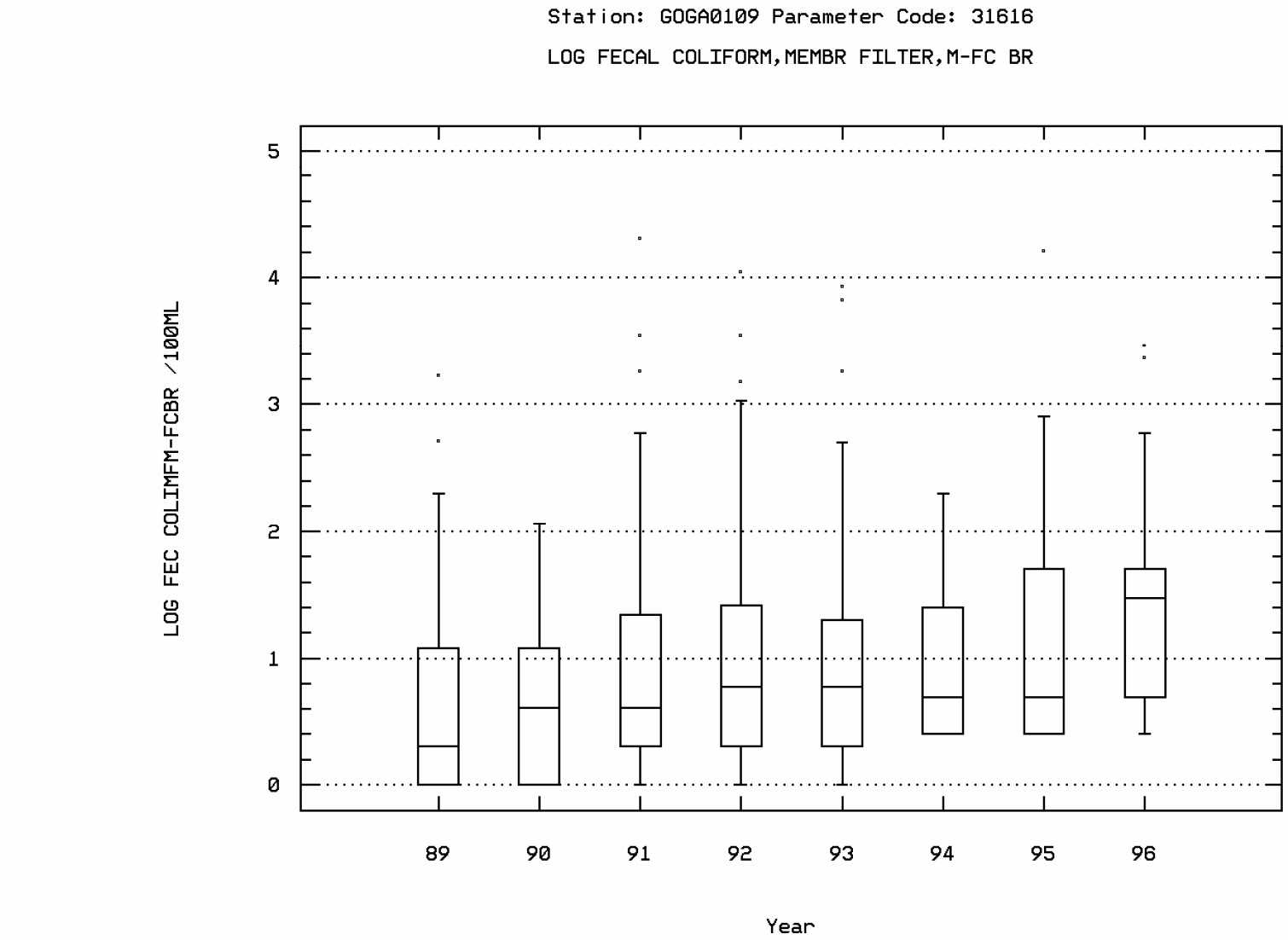
Annual Analysis for 1996 - Station GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	162	50.	395.497	16000.	2.5	3571930.315	1889.955	5.	5.	100.	382.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	162	1.699	1.564	4.204	0.398	0.609	0.78	0.699	0.699	2.	2.581
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			36.665								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	159 ##	10.	75.409	2900.	2.5	88101.019	296.818	5.	5.	50.	100.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	159 ##	1.	1.283	3.462	0.398	0.376	0.613	0.699	0.699	1.699	2.
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.186								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	157 ##	5.	21.736	200.	2.5	1346.367	36.693	2.5	5.	20.	70.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	157 ##	0.699	0.993	2.301	0.398	0.238	0.488	0.398	0.699	1.301	1.845
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			9.848								

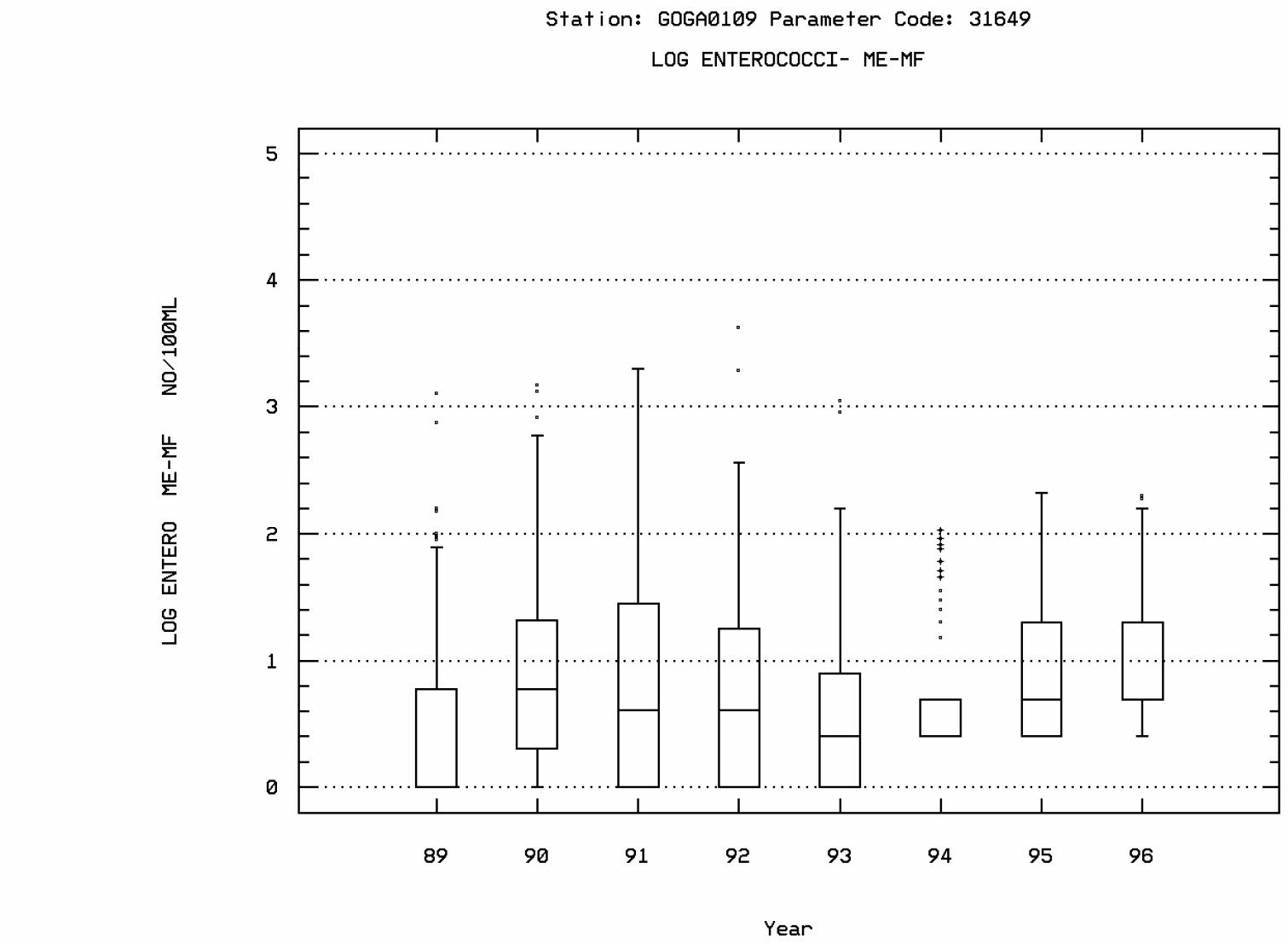
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



OCEAN BEACH IN THE SURF IN LINE WITH VI



OCEAN BEACH IN THE SURF IN LINE WITH VI



OCEAN BEACH IN THE SURF IN LINE WITH VI

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	506	5.	49.207	4400.	1.	92307.086	303.821	2.	2.5	15.	56.6
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	506	0.699	0.885	3.643	0.	0.382	0.618	0.301	0.398	1.176	1.753
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			7.667								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	506	2.5	26.229	3500.	1.	42371.326	205.843	1.	1.75	8.	28.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	506	0.398	0.612	3.544	0.	0.343	0.586	0.	0.226	0.903	1.456
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.088								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	504 ##	2.5	12.526	1460.	1.	5333.138	73.028	1.	1.	5.	16.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	504 ##	0.398	0.507	3.164	0.	0.276	0.525	0.	0.	0.699	1.204
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.212								

** - 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 box-and-whisker plot

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station GOGA0109

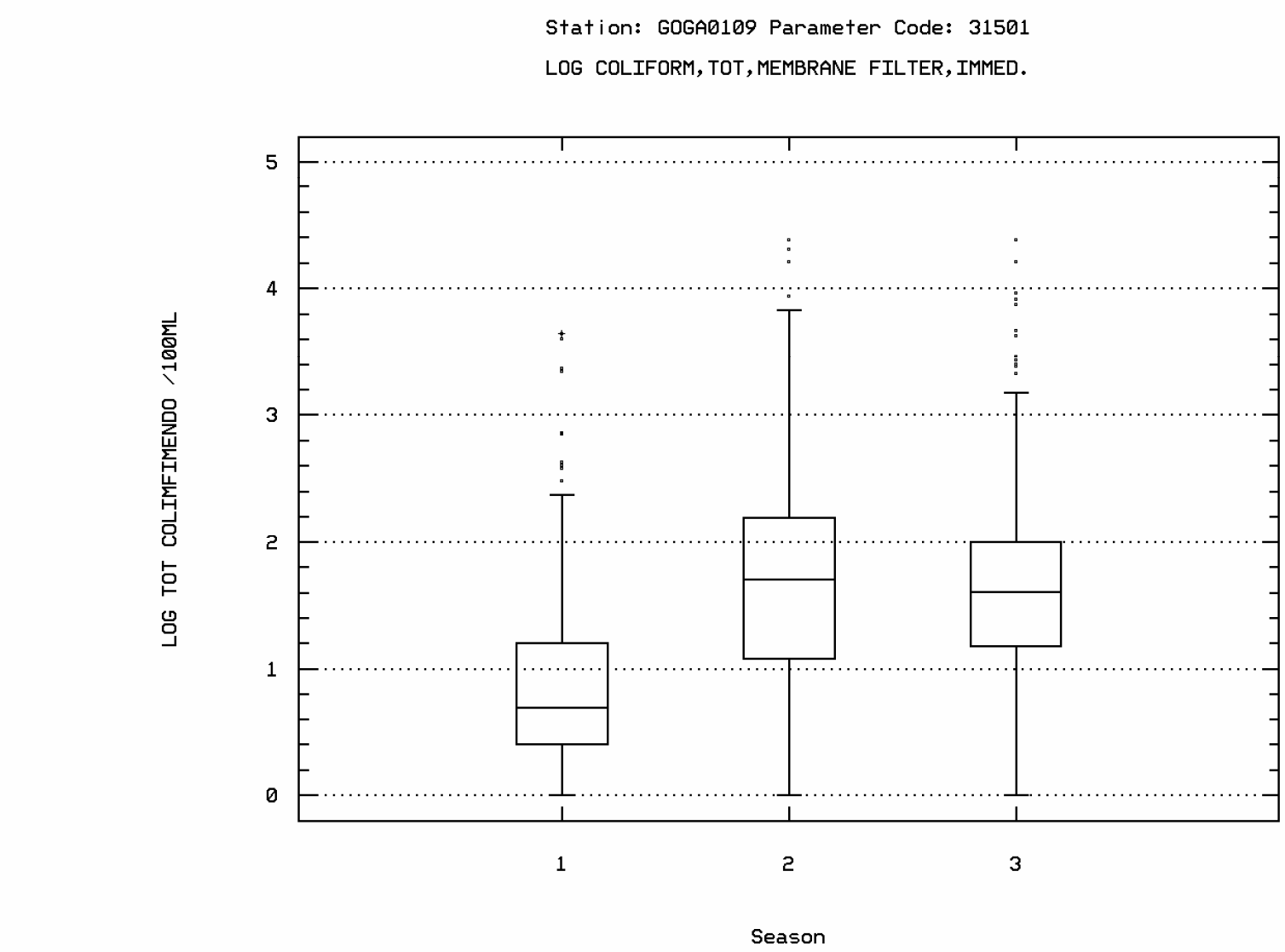
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	431	44.	718.168	24000.	1.	10108262.152	3179.349	4.	10.	145.	540.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	431	1.643	1.697	4.38	0.	0.759	0.871	0.602	1.	2.161	2.732
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			49.827								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	329	12.	220.36	20000.	1.	2491448.473	1578.432	2.	5.	50.	115.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	329	1.079	1.2	4.301	0.	0.581	0.762	0.301	0.699	1.699	2.061
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.865								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	323	10.	58.176	4200.	1.	78804.4	280.721	2.	4.	30.	92.4
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	323	1.	1.035	3.623	0.	0.47	0.686	0.301	0.602	1.477	1.966
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			10.836								

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	561	36.	405.18	24000.	1.	4537966.898	2130.25	4.	12.	93.5	317.6
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	561	1.556	1.6	4.38	0.	0.597	0.772	0.602	1.079	1.971	2.502
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			39.84								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	413	10.	110.84	16000.	1.	841039.109	917.082	2.	4.	30.	80.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	413	1.	1.036	4.204	0.	0.489	0.7	0.301	0.602	1.477	1.903
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.877								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	414	5.	32.274	1900.	0.8	17900.924	133.794	1.	2.	20.	56.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	414	0.699	0.811	3.279	-0.097	0.452	0.672	0.	0.301	1.301	1.748
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.465								

** - 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



OCEAN BEACH IN THE SURF IN LINE WITH VI

Station Inventory for Station: GOGA0110

NPS Station ID: GOGA0110
LAT/LON: 37.735556/-122.462515
Agency: 112WRD
Date Created: 09/30/89
Location: 002S006W25AS01M
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 374408122274501
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/07/88-05/16/89	2	13.	13.	14.	12.	2.	1.414	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/88-05/16/89	2	609.	609.	680.	538.	10082.	100.409	**	**	**	**
00400	PH (STANDARD UNITS)	12/07/88-05/16/89	2	7.05	7.05	7.2	6.9	0.045	0.212	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/07/88-05/16/89	2	7.025	7.025	7.2	6.9	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/88-05/16/89	2	0.094	0.094	0.126	0.063	0.002	0.044	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/07/88-05/16/89	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/07/88-05/16/89	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/88-05/16/89	2	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/07/88-05/16/89	2	138.	138.	138.	138.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/07/88-05/16/89	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/07/88-05/16/89	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/07/88-05/16/89	2	4.65	4.65	4.9	4.4	0.125	0.354	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/07/88-05/16/89	2	28.	28.	31.	25.	18.	4.243	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/07/88-05/16/89	2	30.5	30.5	34.	27.	24.5	4.95	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/07/88-05/16/89	2	56.5	56.5	62.	51.	60.5	7.778	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/07/88-05/16/89	2	0.95	0.95	1.2	0.7	0.125	0.354	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/07/88-05/16/89	2	51.5	51.5	65.	38.	364.5	19.092	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/07/88-05/16/89	2	86.5	86.5	100.	73.	364.5	19.092	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/07/88-05/16/89	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/07/88-05/16/89	2	33.5	33.5	34.	33.	0.5	0.707	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/07/88-05/16/89	2	381.5	381.5	416.	347.	2380.5	48.79	**	**	**	**
71870	BROMIDE (MG/L AS BR)	12/07/88-05/16/89	2	0.255	0.255	0.29	0.22	0.002	0.049	**	**	**	**
82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	08/19/88-05/16/89	2	-55.5	-55.5	-54.	-57.	4.5	2.121	**	**	**	**
82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	08/19/88-05/16/89	2	-8.05	-8.05	-7.9	-8.2	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: GOGA0110

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	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						
00403	PH, LAB	Fresh Chronic	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: GOGA0110

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 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	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	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: GOGA0111

NPS Station ID: GOGA0111 LAT/LON: 37.735498/-122.507173 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH AT THE VICENTE OVERFLOW STRUCTURE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_SW21
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT OCEAN BEACH AT THE VICENTE OVERFLOW STRUCTURE. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) SOUTHWEST OCEAN OUTFALL REGIONAL MONITORING PROGRAM AND WERE REPORTED IN THE 1997 AND 1998 ANNUAL REPORTS. THIS PROGRAM REPLACES THE CCSF OCEAN OUTFALL MONITORING PROGRAM AND MONITORS SHORELINE BACTERIOLOGICAL, MARINE SEDIMENT, BENTHIC INFAUNA AND FISH AND EPIBENTHIC INVERTEBRATES. FOR MORE INFORMATION ON THE STUDE, CONTACT CCSF AT TEL. (415) 242-2201. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE PARK AT FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	633	10.	73.773	16000.	5.	423533.477	650.794	5.	5.	30.	100.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/97-12/29/99	633	1.	1.18	4.204	0.699	0.318	0.564	0.699	0.699	1.477	2.
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.147								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38 ##	10.	450.921	16000.	5.	6715216.021	2591.373	5.	5.	50.	61.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38 ##	1.	1.214	4.204	0.699	0.489	0.7	0.699	0.699	1.699	1.785
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.377								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	74	10.	16.351	200.	5.	1088.56	32.993	5.	5.	10.	30.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/97-03/28/97	74	1.	0.97	2.301	0.699	0.127	0.357	0.699	0.699	1.	1.477
31649	GM ENTEROCOCCI- ME-MF N0/10	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0111

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	633	6	0.01	252	0	0.00	169	4	0.02	212	2	0.01			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	2	0.05				7	1	0.14	31	1	0.03			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	74	4	0.05				14	4	0.29	60	0	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: GOGA0112

NPS Station ID: GOGA0112 LAT/LON: 37.735493/-122.518840 Agency: 11NPSWRD Date Created: 12/31/99
Location: PACIFIC OCEAN IN LINE WITH VICENTE STREET FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM12
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, OUTSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN THE PACIFIC OCEAN IN LINE WITH VICENTE STREET. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	264	12.4	12.411	16.	9.1	2.064	1.437	10.35	11.2	13.6	14.15
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/21/89-12/01/92	63	6.97	8.386	28.5	0.	39.091	6.252	0.32	4.1	10.5	18.
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	28	2.85	12.307	270.	1.2	2551.244	50.51	1.58	2.025	3.4	4.21
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	257	50800.	45177.163	57500.	38.162	49605468.402	15798.907	41.644	48700.	52650.	54400.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	238	7.21	7.502	13.	3.4	3.702	1.924	5.	6.473	8.255	9.883
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	02/21/89-12/03/91	129	40120.	40086.124	44700.	35400.	5524264.547	2350.375	37400.	37875.	41850.	43100.
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	257	7.9	7.854	8.8	7.21	0.095	0.308	7.41	7.6	8.07	8.19
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	257	7.9	7.75	8.8	7.21	0.106	0.325	7.41	7.6	8.07	8.19
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	257	0.013	0.018	0.062	0.002	0.	0.013	0.006	0.009	0.025	0.039
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	264	34.	34.163	38.6	31.	2.776	1.666	32.3	32.9	35.175	36.55
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/89-11/07/89	30	0.055	0.053	0.11	0.025	0.001	0.026	0.025	0.025	0.07	0.089
03582	OIL AND GREASE, WATER, TOTAL MG/L	02/21/89-11/07/89	30 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	189	5.	77.886	1200.	1.	34045.744	184.515	1.	1.5	44.	300.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	189	0.699	0.937	3.079	0.	0.82	0.906	0.	0.151	1.643	2.477
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			8.655								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	187 ##	2.5	25.051	400.	1.	3381.553	58.151	1.	1.	16.	72.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	187 ##	0.398	0.711	2.602	0.	0.516	0.718	0.	0.	1.204	1.862
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.142								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	189 ##	2.5	6.746	94.	1.	146.137	12.089	1.	1.	5.	20.

** - Less than 9 observations ## - 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: GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	189 ##	0.398	0.461	1.973	0.	0.258	0.508	0.	0.	0.699	1.301
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.894								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	02/21/89-11/07/89	30	3.94	7.026	28.16	1.06	52.459	7.243	1.361	3.03	8.24	21.328
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	02/21/89-11/07/89	30	11.	12.3	30.	2.5	43.993	6.633	6.1	7.	14.5	23.6
50786	ORTHOPHOSPHATE AS P, WATER MG/L	02/21/89-11/07/89	30	0.04	0.045	0.09	0.005	0.001	0.024	0.01	0.028	0.06	0.08
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	238	26.05	26.144	29.7	24.	1.184	1.088	24.9	25.46	26.7	27.62

** - 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: GOGA0112

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	238	7	0.03	91	7	0.08	78	0	0.00	69	0	0.00			
00406	PH, FIELD	Marine Chronic	8.5	257	7	0.03	103	7	0.07	78	0	0.00	76	0	0.00			
		Other-Lo Lim.	6.5	257	0	0.00	103	0	0.00	78	0	0.00	76	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	189	2	0.01	74	1	0.01	60	1	0.02	55	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	187	7	0.04	74	0	0.00	58	2	0.03	55	5	0.09			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	189	7	0.04	74	0	0.00	60	4	0.07	55	3	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 1989 - Station GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	73	12.5	12.388	15.1	10.	2.268	1.506	10.2	10.85	13.7	14.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	73	53700.	53661.644	57200.	51500.	1985730.594	1409.16	51800.	52700.	54400.	55660.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	73	8.	8.068	13.	4.	6.898	2.626	5.	6.	9.5	13.
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	73	7.59	7.647	8.08	7.21	0.047	0.216	7.334	7.5	7.81	7.97
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	73	7.59	7.595	8.08	7.21	0.049	0.222	7.334	7.5	7.81	7.97
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	73	0.026	0.025	0.062	0.008	0.	0.013	0.011	0.015	0.032	0.046
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	73	35.7	35.659	38.3	34.	1.091	1.045	34.34	35.	36.15	37.36
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	49	2.	74.245	560.	1.	20171.022	142.025	1.	1.	59.5	300.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	49	0.301	0.876	2.748	0.	1.01	1.005	0.	0.	1.771	2.477
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			7.51								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	49	2.	37.469	400.	1.	6858.296	82.815	1.	1.	27.	210.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	49	0.301	0.72	2.602	0.	0.74	0.86	0.	0.	1.429	2.322
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.246								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	49	## 1.	7.878	94.	1.	326.61	18.072	1.	1.	4.	32.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	49	## 0.	0.36	1.973	0.	0.326	0.571	0.	0.	0.602	1.505
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.292								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	73	26.8	27.038	28.9	25.8	0.607	0.779	26.2	26.5	27.6	28.22

** - 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 1990 - Station GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	28	10.8	11.011	13.7	10.	1.067	1.033	10.	10.3	11.2	13.11
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	28	50450.	51696.429	57500.	48500.	9990727.513	3160.811	49070.	49425.	54850.	57200.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	28	6.185	6.421	8.43	4.77	0.939	0.969	4.921	5.873	6.975	8.24
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	28	7.54	7.572	7.88	7.41	0.029	0.17	7.41	7.41	7.71	7.832
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	28	7.533	7.542	7.88	7.41	0.03	0.173	7.41	7.41	7.71	7.832
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	28	0.029	0.029	0.039	0.013	0.	0.01	0.015	0.019	0.039	0.039
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	28	33.4	34.293	38.6	32.	5.497	2.345	32.27	32.6	36.5	38.4
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	4.	187.85	1100.	1.	108307.503	329.101	1.	1.	275.	864.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	0.602	1.15	3.041	0.	1.402	1.184	0.	0.	2.433	2.936
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			14.127								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	## 1.	19.75	100.	1.	1041.776	32.277	1.	1.	36.5	84.6
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	## 0.	0.586	2.	0.	0.651	0.807	0.	0.	1.555	1.927
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.859								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20	## 1.	9.	34.	1.	129.684	11.388	1.	1.	19.5	29.4
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20	## 0.	0.511	1.531	0.	0.432	0.657	0.	0.	1.29	1.467
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.24								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	28	25.65	26.246	29.7	24.	3.417	1.849	24.48	24.925	27.675	29.6

** - 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 1991 - Station GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	28	12.1	12.3	15.4	9.7	2.677	1.636	10.63	10.8	13.6	14.57
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	28	51450.	51471.429	52300.	50400.	282116.402	531.146	50700.	51050.	51900.	52100.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	7	6.13	6.234	6.67	5.96	0.087	0.295	**	**	**	**
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	21	7.65	7.553	7.72	7.22	0.032	0.18	7.274	7.34	7.69	7.72
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	21	7.65	7.515	7.72	7.22	0.034	0.184	7.274	7.34	7.69	7.72
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	21	0.022	0.031	0.06	0.019	0.	0.014	0.019	0.02	0.046	0.053
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	28	34.07	34.045	34.65	33.28	0.148	0.385	33.5	33.643	34.343	34.504
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	12.	152.95	800.	1.	50396.997	224.493	1.	1.25	300.	472.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	1.073	1.273	2.903	0.	1.24	1.114	0.	0.075	2.477	2.673

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Annual Analysis for 1991 - Station GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			18.74								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	3.	29.8	110.	1.	1720.379	41.477	1.	1.	70.	109.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	0.452	0.806	2.041	0.	0.738	0.859	0.	0.	1.845	2.037
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.393								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20	2.	13.15	46.	1.	279.713	16.725	1.	1.	29.	41.8
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20	0.301	0.626	1.663	0.	0.506	0.711	0.	0.	1.462	1.621
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.228								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	28	25.775	25.799	26.75	24.69	0.203	0.45	25.093	25.605	26.11	26.255

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	29	14.3	14.148	16.	12.9	0.745	0.863	12.9	13.6	14.7	15.3
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	29	50300.	51020.69	52500.	49400.	1383128.079	1176.065	49600.	50050.	52400.	52500.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	29	7.57	7.729	8.94	6.88	0.461	0.679	6.94	7.055	8.305	8.51
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	29	8.05	8.057	8.19	7.94	0.008	0.088	7.94	7.98	8.13	8.19
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	29	8.05	8.048	8.19	7.94	0.008	0.089	7.94	7.98	8.13	8.19
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	29	0.009	0.009	0.011	0.006	0.	0.002	0.006	0.007	0.01	0.011
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	29	32.9	33.472	34.7	32.3	0.785	0.886	32.4	32.75	34.5	34.5
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20 ##	1.5	106.85	1200.	1.	81373.924	285.261	1.	1.	37.	478.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20 ##	0.151	0.79	3.079	0.	1.059	1.029	0.	0.	1.534	2.674
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6.163								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	18	4.	48.389	310.	1.	9823.428	99.113	1.	1.	33.	301.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	18	0.602	0.83	2.491	0.	0.758	0.871	0.	0.	1.506	2.479
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.756								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	1.	6.45	22.	1.	58.05	7.619	1.	1.	11.5	21.8
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.	0.475	1.342	0.	0.318	0.564	0.	0.	1.059	1.338
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.983								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	29	25.6	25.859	26.9	24.5	0.618	0.786	24.8	25.25	26.7	26.8

** - 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 1993 - Station GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	28	13.	12.679	15.	10.	1.708	1.307	10.	12.	13.75	14.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	28	49150.	47146.429	51500.	40100.	16827764.55	4102.166	40190.	42500.	49400.	51110.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	28	8.35	7.796	9.6	3.4	3.365	1.834	3.68	7.625	9.05	9.32
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	28	8.08	8.019	8.3	7.57	0.059	0.243	7.59	7.825	8.238	8.272
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	28	8.069	7.948	8.3	7.57	0.064	0.254	7.59	7.825	8.237	8.272
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	28	0.009	0.011	0.027	0.005	0.	0.007	0.005	0.006	0.015	0.026
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	28	32.	32.321	33.	31.	0.448	0.67	31.	32.	33.	33.
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	5.	51.4	315.	1.	12017.516	109.624	1.	1.25	20.	308.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	0.699	0.838	2.498	0.	0.717	0.847	0.	0.075	1.301	2.488
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6.881								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	3.5	21.7	140.	1.	1820.537	42.668	1.	1.	16.5	114.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.5	0.649	2.146	0.	0.556	0.745	0.	0.	1.17	2.058
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.461								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	1.	3.85	20.	1.	32.555	5.706	1.	1.	4.75	17.2
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.	0.282	1.301	0.	0.218	0.467	0.	0.	0.675	1.23
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			1.913								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	28	25.1	25.279	26.6	24.3	0.38	0.616	24.49	24.9	25.6	26.51

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	25	12.4	12.16	13.8	10.8	1.067	1.033	10.96	11.1	13.	13.64
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	25	50200.	49272.	50900.	44900.	3155433.333	1776.354	45960.	48850.	50350.	50400.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	20	6.765	7.145	8.46	4.95	0.902	0.95	6.242	6.603	8.198	8.362
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	25	7.97	8.02	8.23	7.82	0.012	0.109	7.912	7.93	8.1	8.178
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	25	7.97	8.007	8.23	7.82	0.012	0.11	7.912	7.93	8.1	8.178
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	25	0.011	0.01	0.015	0.006	0.	0.002	0.007	0.008	0.012	0.012
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	25	32.9	32.668	33.2	31.4	0.206	0.453	31.84	32.4	32.9	33.
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	17.5	24.725	100.	2.5	744.855	27.292	2.5	2.5	45.	65.4
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	1.239	1.076	2.	0.398	0.344	0.587	0.398	0.398	1.65	1.815
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			11.925								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	7.5	18.125	60.	2.5	434.128	20.836	2.5	2.5	38.75	54.5
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	0.849	0.955	1.778	0.398	0.288	0.537	0.398	0.398	1.565	1.736
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.021								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	2.5	4.875	20.	2.5	27.944	5.286	2.5	2.5	5.	18.5
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.398	0.564	1.301	0.398	0.081	0.284	0.398	0.398	0.699	1.241
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.66								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	25	25.6	25.532	26.1	24.3	0.195	0.441	24.74	25.4	25.85	25.94

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	27	12.5	12.678	14.	11.8	0.382	0.618	12.04	12.2	13.1	13.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	20	38585.	38599.	39200.	37780.	82998.947	288.095	38264.	38495.	38720.	38948.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	27	7.25	7.612	12.25	4.43	5.187	2.277	4.502	6.76	9.86	11.866
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	27	8.36	8.295	8.8	8.	0.068	0.261	8.	8.05	8.51	8.762
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	27	8.36	8.229	8.8	8.	0.072	0.269	8.	8.05	8.51	8.762
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	27	0.004	0.006	0.01	0.002	0.	0.003	0.002	0.003	0.009	0.01
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	27	33.2	33.015	33.6	31.4	0.3	0.548	32.14	32.8	33.4	33.52
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20 ##	2.5	3.625	10.	2.5	5.576	2.361	2.5	2.5	4.375	9.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20 ##	0.398	0.503	1.	0.398	0.041	0.202	0.398	0.398	0.624	0.97
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3.186								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	2.5	2.875	5.	2.5	0.839	0.916	2.5	2.5	2.5	5.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.398	0.443	0.699	0.398	0.012	0.11	0.398	0.398	0.398	0.699
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.774								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	2.5	3.	10.	2.5	3.026	1.74	2.5	2.5	2.5	4.75
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.398	0.443	1.	0.398	0.022	0.147	0.398	0.398	0.398	0.669
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.774								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	27	25.96	25.752	26.4	24.25	0.315	0.561	24.798	25.49	26.16	26.296

** - 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 1996 - Station GOGA0112

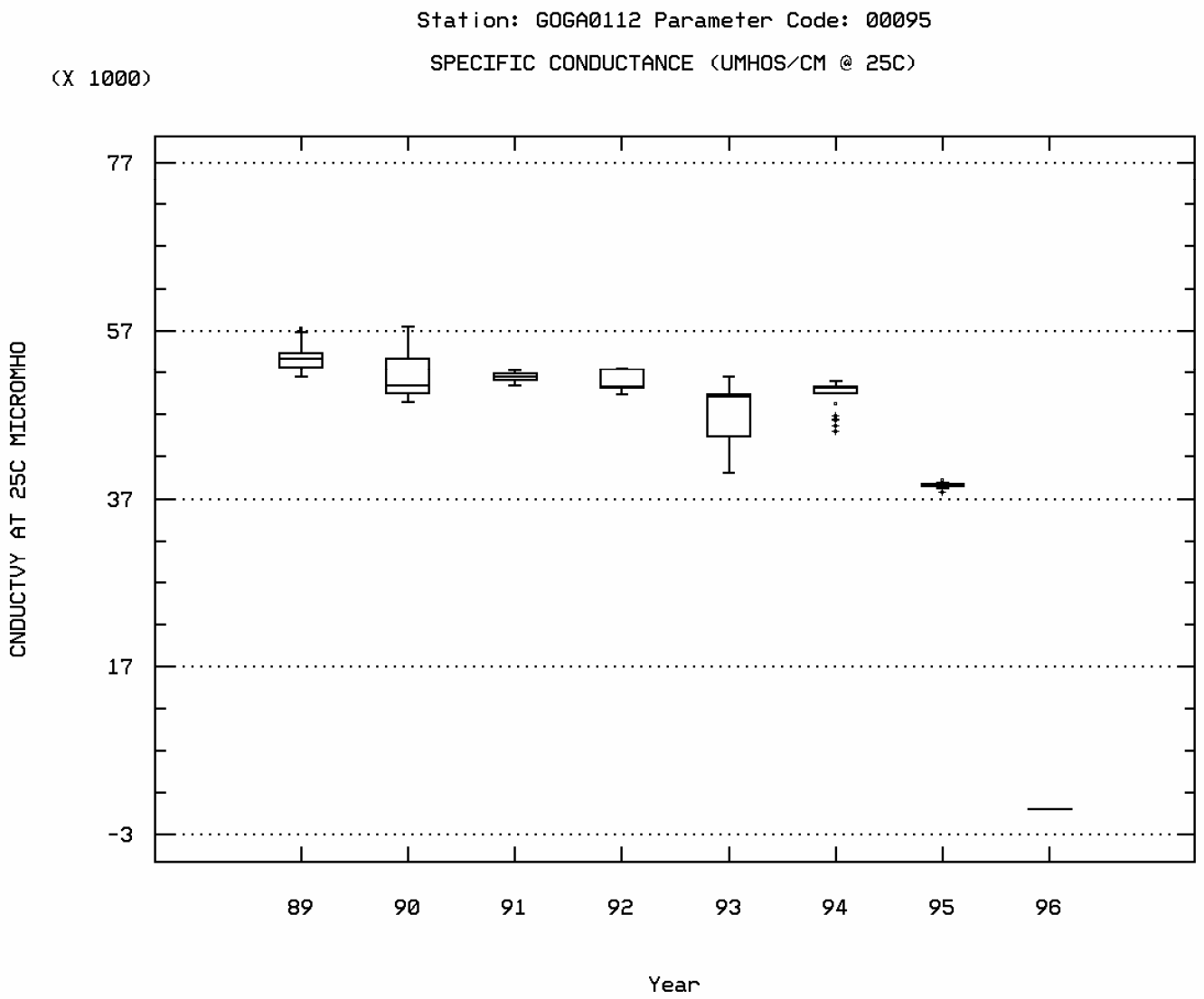
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	26	11.9	11.846	13.	9.1	0.771	0.878	10.91	11.3	12.325	13.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	26	40.5	40.418	41.66	38.16	0.854	0.924	39.185	39.658	41.453	41.538
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	26	7.4	7.008	7.89	3.81	0.747	0.864	6.051	6.473	7.5	7.675
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	26	7.96	7.957	8.11	7.73	0.01	0.1	7.817	7.903	8.008	8.1
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	26	7.96	7.946	8.11	7.73	0.01	0.101	7.817	7.902	8.008	8.1
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	26	0.011	0.011	0.019	0.008	0.	0.003	0.008	0.01	0.013	0.015
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	26	36.05	35.335	36.7	31.9	2.086	1.444	33.3	34.125	36.6	36.6
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	10.	26.725	100.	2.5	1218.591	34.908	2.5	5.	47.5	100.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	1.	1.082	2.	0.398	0.309	0.556	0.398	0.699	1.675	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

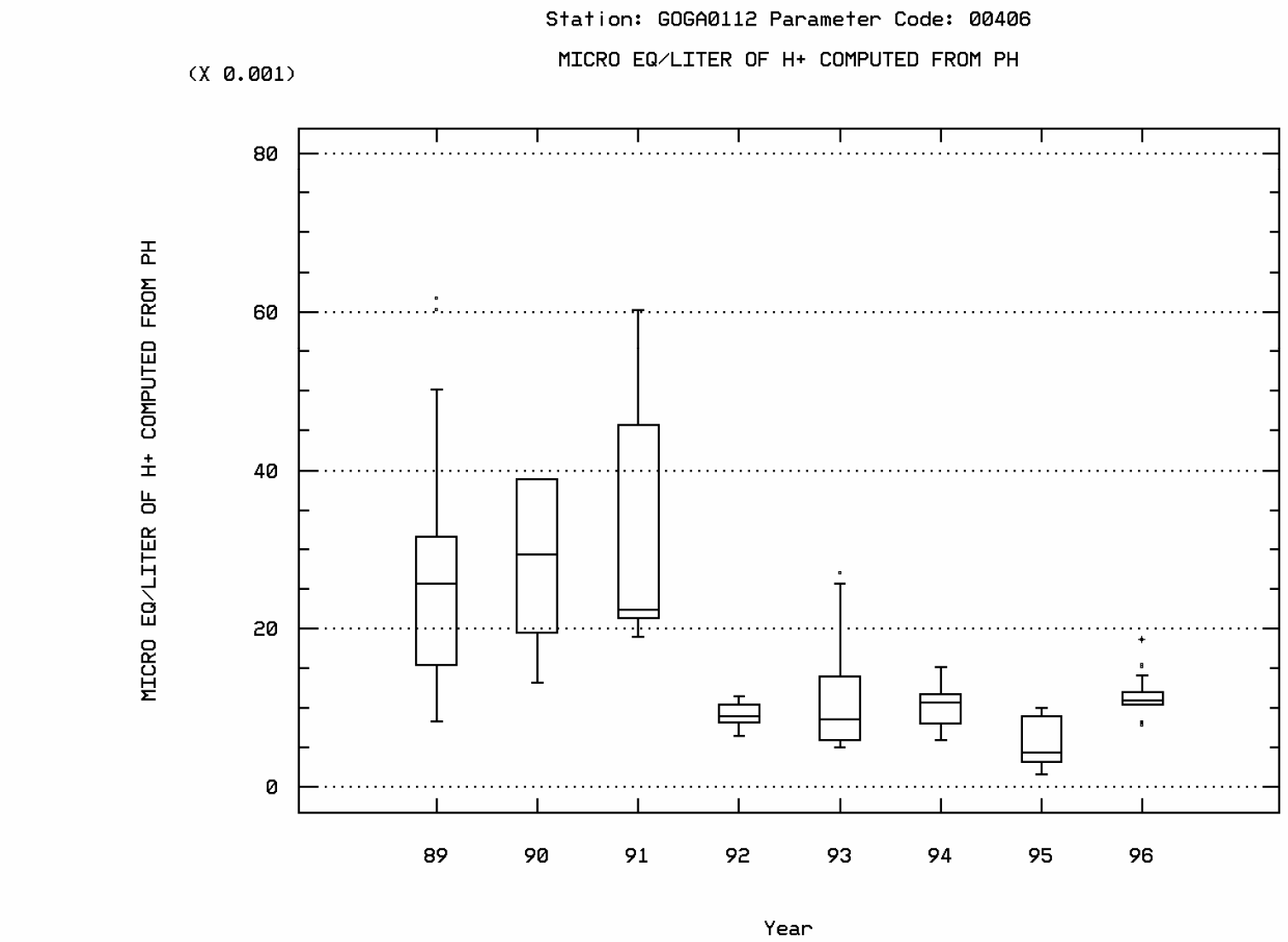
Annual Analysis for 1996 - Station GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			12.082								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	5.	6.625	40.	2.5	65.97	8.122	2.5	3.125	5.	10.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.699	0.699	1.602	0.398	0.076	0.276	0.398	0.473	0.699	1.
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	5.	4.125	10.	2.5	3.47	1.863	2.5	2.5	5.	5.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.699	0.579	1.	0.398	0.032	0.18	0.398	0.398	0.699	0.699
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.789								

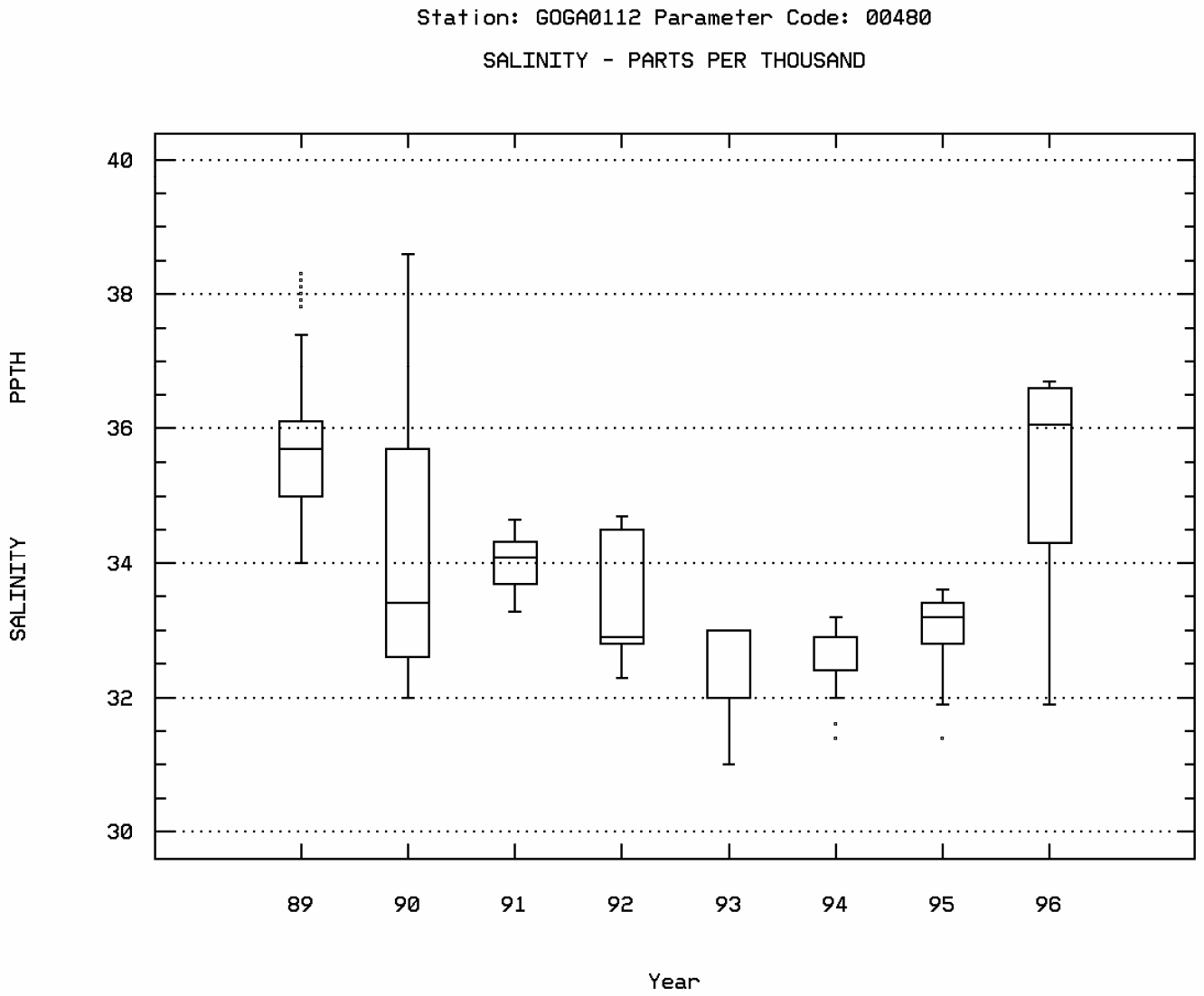
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



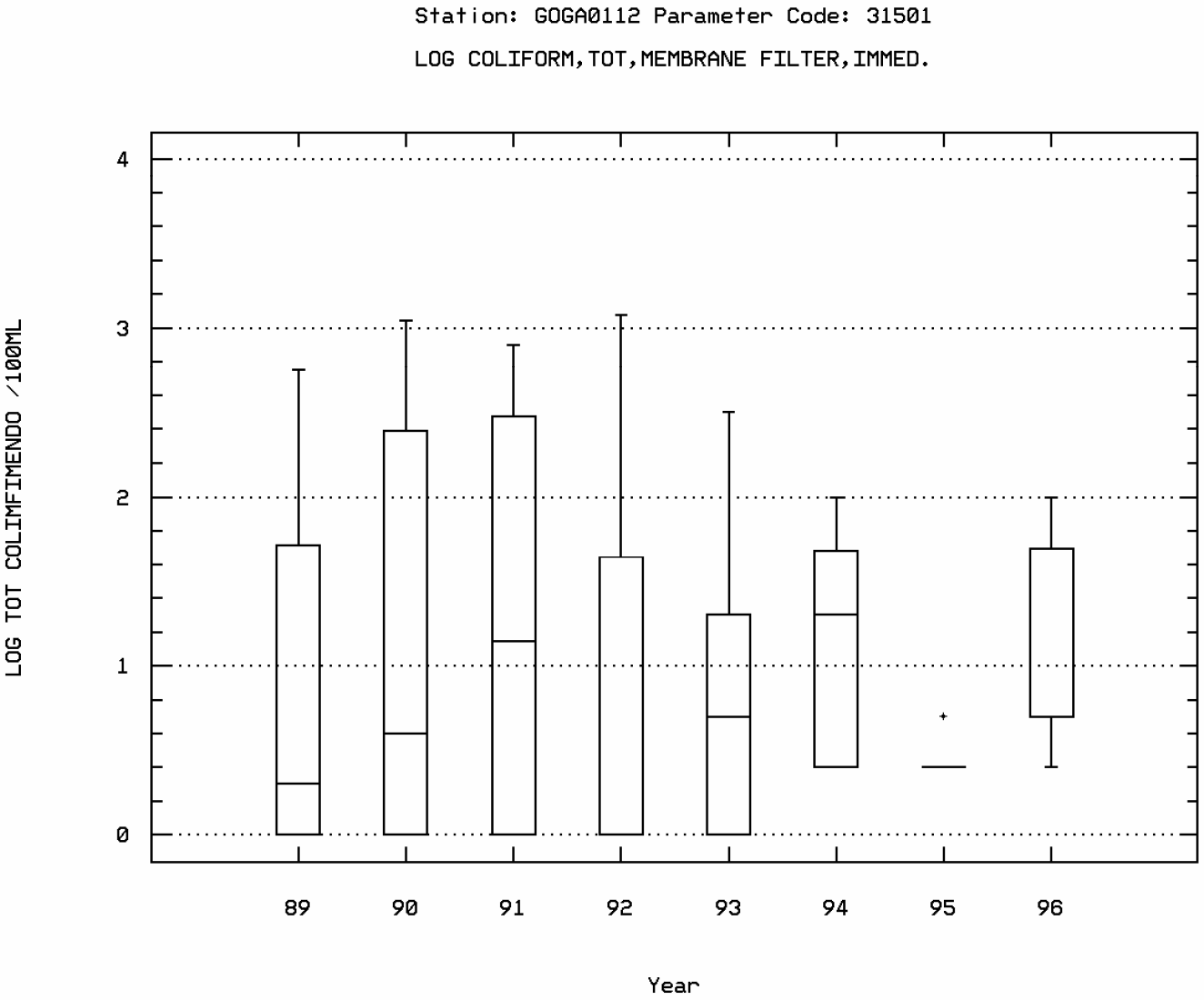
PACIFIC OCEAN IN LINE WITH VICENTE STRE



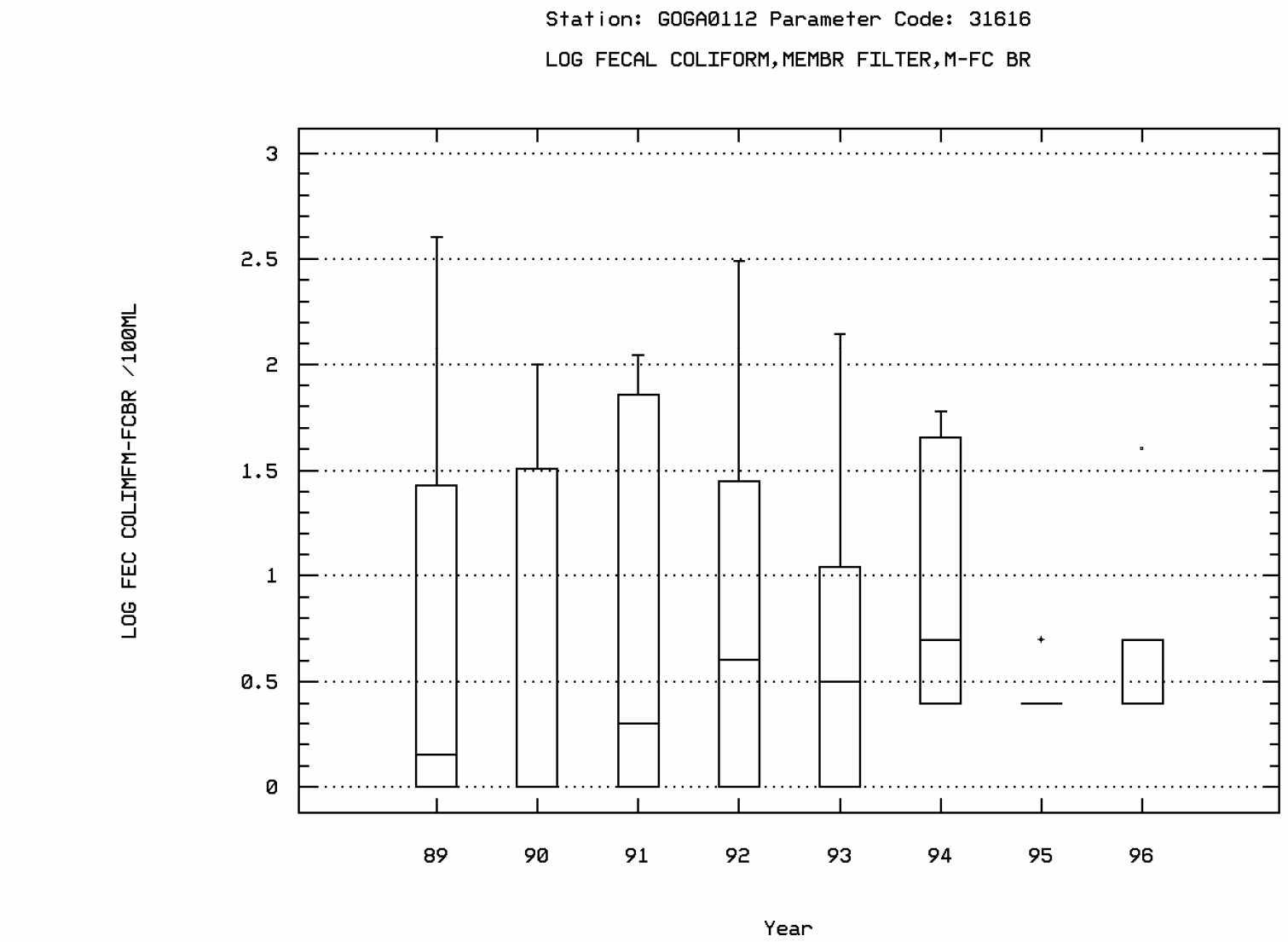
PACIFIC OCEAN IN LINE WITH VICENTE STRE



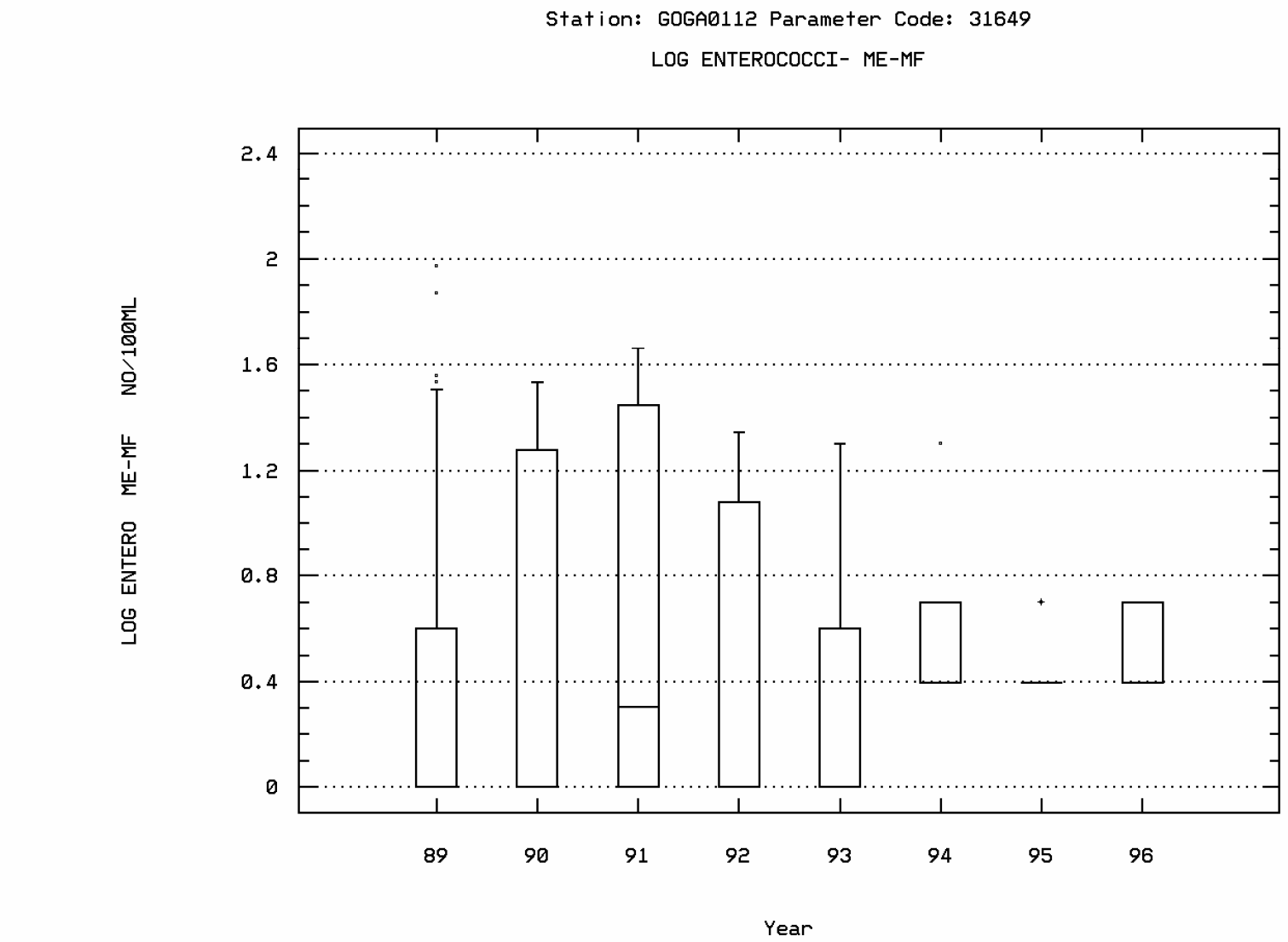
PACIFIC OCEAN IN LINE WITH VICENTE STRE



PACIFIC OCEAN IN LINE WITH VICENTE STRE



PACIFIC OCEAN IN LINE WITH VICENTE STRE



PACIFIC OCEAN IN LINE WITH VICENTE STRE

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	103	13.2	12.888	15.1	9.1	1.767	1.329	10.84	12.	14.	14.3
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	10	3.5	30.09	270.	2.7	7106.092	84.298	2.7	2.925	4.225	243.43
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	96	52400.	47522.618	57500.	39.72177	046763.641	13305.892	38650.	47425.	53900.	54900.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	91	7.	7.834	13.	3.4	7.947	2.819	4.43	5.6	9.86	12.242
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	103	7.82	7.88	8.8	7.21	0.111	0.333	7.5	7.64	8.08	8.262
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	103	7.82	7.768	8.8	7.21	0.123	0.351	7.5	7.64	8.08	8.262
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	103	0.015	0.017	0.062	0.002	0.	0.012	0.005	0.008	0.023	0.032
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	103	34.5	34.537	38.6	31.6	2.668	1.634	32.5	33.	35.7	36.6
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	74 ##	2.5	49.926	1100.	1.	33294.539	182.468	1.	1.	5.25	110.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	74 ##	0.398	0.574	3.041	0.	0.603	0.776	0.	0.	0.719	2.04
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3.749								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	74 ##	2.5	8.899	100.	1.	399.938	19.998	1.	1.	4.	38.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	74 ##	0.398	0.435	2.	0.	0.298	0.546	0.	0.	0.602	1.579
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.726								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	74 ##	1.	3.216	34.	1.	33.22	5.764	1.	1.	2.5	5.5
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	74 ##	0.	0.268	1.531	0.	0.135	0.367	0.	0.	0.398	0.739
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			1.854								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	97	26.3	26.438	29.7	24.5	1.106	1.052	25.27	25.72	26.7	27.8

** - 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: 10/10 to 1/14 - Station GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	85	12.	12.375	16.	10.7	1.967	1.402	10.8	11.15	13.25	14.74
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	11	2.5	2.527	4.	1.2	0.67	0.819	1.28	2.	3.1	3.88
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	85	50000.	41592.412	57200.	40.32359	934409.899	18971.937	41.456	43395.	51250.	52180.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	78	7.	7.149	8.46	5.96	0.538	0.733	6.148	6.63	7.7	8.237
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	78	7.95	7.882	8.11	7.41	0.035	0.186	7.644	7.835	8.	8.054
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	78	7.95	7.835	8.11	7.41	0.037	0.193	7.644	7.835	8.	8.054
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	78	0.011	0.015	0.039	0.008	0.	0.008	0.009	0.01	0.015	0.023
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	85	33.5	34.026	38.3	31.	3.431	1.852	32.3	32.8	35.015	36.64
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	60	18.	105.558	1200.	1.	45462.196	213.219	1.	2.125	100.	390.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	60	1.253	1.22	3.079	0.	0.849	0.922	0.	0.325	2.	2.59
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			16.59								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	58	5.	30.336	310.	1.	3744.46	61.192	1.	2.	29.	101.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	58	0.699	0.891	2.491	0.	0.52	0.721	0.	0.301	1.462	2.004
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.787								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	60 ##	3.75	8.325	46.	1.	126.668	11.255	1.	1.	10.	25.6
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	60 ##	0.548	0.581	1.663	0.	0.296	0.544	0.	0.	1.	1.408
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.806								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	71	25.68	25.782	28.9	24.	1.24	1.113	24.5	25.	26.1	27.734

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	76	11.95	11.805	14.	9.7	1.945	1.395	10.	10.4	13.	13.58
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	7	2.	2.271	3.3	1.4	0.439	0.663	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	76	50850.	46223.744	54500.	38.16201	885642.317	14208.647	38109.	49225.	52500.	54200.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	69	7.5	7.464	10.	5.	1.484	1.218	5.	6.765	8.355	9.
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	76	7.615	7.789	8.38	7.22	0.132	0.363	7.337	7.47	8.18	8.248
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	76	7.615	7.656	8.38	7.22	0.15	0.387	7.337	7.47	8.18	8.248
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	76	0.024	0.022	0.06	0.004	0.	0.016	0.006	0.007	0.034	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 #3: 1/15 to 5/14 - Station GOGA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	76	33.56	33.809	36.4	31.4	1.922	1.387	32.	32.825	34.688	36.1
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	55	10.	85.318	560.	1.	21870.253	147.886	1.	2.5	60.	312.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	55	1.	1.118	2.748	0.	0.81	0.9	0.	0.398	1.778	2.494
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.121								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55	5.	41.209	400.	1.	6500.979	80.629	1.	2.	40.	168.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55	0.699	0.892	2.602	0.	0.653	0.808	0.	0.301	1.602	2.217
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.798								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	55 ##	2.5	9.773	94.	1.	296.295	17.213	1.	1.	10.	27.2
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	55 ##	0.398	0.592	1.973	0.	0.307	0.554	0.	0.	1.	1.43
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.907								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	70	25.97	26.105	28.	24.25	1.014	1.007	24.9	25.275	26.9	27.6

** - 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

Station Inventory for Station: GOGA0113

NPS Station ID: GOGA0113 LAT/LON: 37.737166/-122.507173 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH IN THE SURF IN LINE WITH CUTLER AVE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_SW20
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT OCEAN BEACH IN THE SURF IN LINE WITH CUTLER AVE. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) SOUTHWEST OCEAN OUTFALL REGIONAL MONITORING PROGRAM AND WERE REPORTED IN THE 1997 AND 1998 ANNUAL REPORTS. THIS PROGRAM REPLACES THE CCSF OCEAN OUTFALL MONITORING PROGRAM AND MONITORS SHORELINE BACTERIOLOGICAL, MARINE SEDIMENT, BENTHIC INFAUNA AND FISH AND EPIBENTHIC INVERTEBRATES. FOR MORE INFORMATION ON THE STUDE, CONTACT CCSF AT TEL. (415) 242-2201. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE PARK AT FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	636	10.	56.954	4080.	5.	75878.412	275.46	5.	5.	30.	88.6
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/97-12/29/99	636	1.	1.156	3.611	0.699	0.298	0.546	0.699	0.699	1.477	1.947
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			14.319								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38 ##	10.	81.842	2400.	5.	149572.191	386.746	5.	5.	32.5	50.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38 ##	1.	1.139	3.38	0.699	0.304	0.552	0.699	0.699	1.508	1.699
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.784								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	74 ##	5.	21.892	200.	5.	1448.427	38.058	5.	5.	20.	40.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/97-03/28/97	74 ##	0.699	1.031	2.301	0.699	0.201	0.448	0.699	0.699	1.301	1.602
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			10.75								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0113

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	636	5	0.01	252	0	0.00	170	1	0.01	214	4	0.02			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	1	0.03				7	1	0.14	31	0	0.00			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	74	10	0.14				14	8	0.57	60	2	0.03			

& - 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: GOGA0114

NPS Station ID: GOGA0114 LAT/LON: 37.737166/-122.507173 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH IN THE SURF IN LINE WITH CUTLER AVE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM20A
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT OCEAN BEACH IN THE SURF IN LINE WITH CUTLER AVENUE. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/89-12/29/89	156	10.	176.244	8400.	1.	701444.198	837.523	4.	5.	44.	271.5
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/03/89-12/29/89	156	1.	1.224	3.924	0.	0.605	0.778	0.602	0.699	1.643	2.434
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			16.732								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/29/89	156	4.	46.16	3300.	1.	77236.858	277.915	1.	1.	15.5	45.3
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/29/89	156	0.602	0.71	3.519	0.	0.513	0.716	0.	0.	1.19	1.656
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.125								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/29/89	156	2.	25.397	785.	1.	8659.802	93.058	1.	1.	10.	53.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/29/89	156	0.301	0.571	2.895	0.	0.493	0.702	0.	0.	1.	1.723
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.72								

** - 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: GOGA0114

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	156	5	0.03	64	2	0.03	41	0	0.00	51	3	0.06			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	156	5	0.03	64	1	0.02	41	1	0.02	51	3	0.06			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	156	17	0.11	64	8	0.13	41	6	0.15	51	3	0.06			

& - 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: GOGA0115

NPS Station ID: GOGA0115
LAT/LON: 37.738554/-122.419956
Agency: 11NPSWRD
Date Created: 06/12/99
Location: COLLEGE HILL RESERVOIR
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_COE_COLLH
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO SOUTH; CA 7.5 MINUTE SERIES (TOPO.) QUAD. THE SITE IS LOCATED AT COLLEGE HILL RESERVOIR ON ELSIE STREET AND APPLETON AVENUE AND IS OUTSIDE OF GOLDEN GATE NATIONAL REC- REATION AREA (GOGA). DATA ARE FROM A REPORT BY MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. LITTLE IS KNOWN ABOUT WHAT THIS SITE WAS LIKE IN 1906; THEREFORE; WE ARE ASSUMING THAT ALL RESERVOIRS IN THIS REPORT WERE UNTREATED AND UNCOVERED. SOME OF THE RESERVOIRS THAT EXIST TODAY ARE NOW TREATED AND COVERED. OTHER ASSUMPTIONS HAVE BEEN MADE REGARDING SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT GOLDEN GATE NRA; FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	07/06/06-07/06/06	1	173.	173.	173.	173.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/06-07/06/06	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/06-07/06/06	1	87.	87.	87.	87.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/06/06-07/06/06	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/06/06-07/06/06	1	96.	96.	96.	96.	0.	0.	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/06/06-07/06/06	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/06/06-07/06/06	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/06-07/06/06	1	22.	22.	22.	22.	0.	0.	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	07/06/06-07/06/06	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	07/06/06-07/06/06	1	3.477	3.477	3.477	3.477	0.	0.	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			3000.								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/06/06-07/06/06	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/06/06-07/06/06	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/06/06-07/06/06	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: GOGA0115

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
71850	NITRATE NITROGEN, TOTAL (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: GOGA0116

NPS Station ID: GOGA0116 LAT/LON: 37.739722/-122.519448 Agency: 21CAL-1 Date Created: 12/03/76
Location: PACIFIC OCEAN OFF OCEAN AVENUE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): E8O74442312 /2021001
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: SAN FRANCISCO BAY AREA Elevation: 0 Water Body Id:
Minor Basin: COAST-SAN MATEO ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002000200.50 RF3 Mile Point: 2.72 Distance from RF3: 0.20 On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 169 ; ELEVATION: 1 ;
STATION NAME: PACIFIC OCEAN OFF OCEAN AVENUE ; DWR COUNTY CODE: 38; LATITUDE: 374423; LONGITUDE: 1223110;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 02S, RANGE 06, SECTION 16 BASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/15/69-09/15/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/69-09/15/69	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/15/69-09/15/69	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	09/15/69-09/15/69	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	09/15/69-09/15/69	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/69-09/15/69	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/15/69-09/15/69	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/15/69-09/15/69	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	09/15/69-09/15/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/15/69-09/15/69	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: GOGA0116

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00618	NITRATE NITROGEN, DISSOLVED AS N	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: GOGA0117

NPS Station ID: GOGA0117
LAT/LON: 37.743889/-122.412503
Agency: 112WRD
Date Created: 09/30/89
Location: 002S005W21KS01M
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 374438122244501
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 3.30
On/Off RF1:
RF3 Index: 18050006001525.18
RF3 Mile Point: 27.81
Distance from RF3: 0.10
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/17/89-05/17/89	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/17/89-05/17/89	1	534.	534.	534.	534.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/17/89-05/17/89	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/17/89-05/17/89	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/17/89-05/17/89	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/17/89-05/17/89	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/17/89-05/17/89	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/17/89-05/17/89	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/17/89-05/17/89	1	144.	144.	144.	144.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/17/89-05/17/89	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/17/89-05/17/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/17/89-05/17/89	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/17/89-05/17/89	1	51.	51.	51.	51.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/17/89-05/17/89	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/17/89-05/17/89	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/17/89-05/17/89	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/17/89-05/17/89	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/17/89-05/17/89	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/89-05/17/89	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/17/89-05/17/89	1	26.	26.	26.	26.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/17/89-05/17/89	1	348.	348.	348.	348.	0.	0.	**	**	**	**
71870	BROMIDE (MG/L AS BR)	05/17/89-05/17/89	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	05/17/89-05/17/89	1	-40.	-40.	-40.	-40.	0.	0.	**	**	**	**
82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	05/17/89-05/17/89	1	-5.7	-5.7	-5.7	-5.7	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: GOGA0117

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	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	Fresh Chronic	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: GOGA0117

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	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	FLUORIDE, 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: GOGA0118

NPS Station ID: GOGA0118 LAT/LON: 37.749492/-122.508318 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH IN THE SURF IN LINE WITH PACHECO ST FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM20B
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO SOUTH OE, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT OCEAN BEACH IN THE SURF IN LINE WITH PACHECO ST. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	1096	12.	140.05	20000.	1.	794021.772	891.079	2.	4.	50.	137.2
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/90-12/30/96	1096	1.079	1.214	4.301	0.	0.529	0.728	0.301	0.602	1.699	2.137
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			16.375								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	1090	6.	70.369	20000.	1.	481177.325	693.669	1.	2.5	20.	54.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	1090	0.778	0.914	4.301	0.	0.448	0.67	0.	0.398	1.301	1.732
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.197								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	1084	5.	28.269	3700.	1.	26632.995	163.196	1.	2.5	13.5	45.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/90-12/30/96	1084	0.699	0.771	3.568	0.	0.379	0.616	0.	0.398	1.129	1.653
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.899								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0118

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1096	22	0.02	441	2	0.00	293	11	0.04	362	9	0.02			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1090	29	0.03	441	4	0.01	287	14	0.05	362	11	0.03			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	1084	138	0.13	439	19	0.04	282	65	0.23	363	54	0.15			

& - 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 1990 - Station GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	154	12.	72.675	4300.	1.	129002.613	359.169	2.	4.	44.	110.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/90-12/30/96	154	1.079	1.133	3.633	0.	0.478	0.692	0.301	0.602	1.643	2.04
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.582								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	155	4.	30.619	2400.	1.	38190.757	195.425	1.	2.	16.	37.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	155	0.602	0.728	3.38	0.	0.397	0.63	0.	0.301	1.204	1.575
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.347								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	155	6.	56.348	2700.	1.	63022.254	251.042	1.	2.	20.	79.6
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/90-12/30/96	155	0.778	0.86	3.431	0.	0.569	0.754	0.	0.301	1.301	1.899
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			7.251								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	156	12.	47.41	1200.	2.	14874.269	121.96	2.	4.	40.	115.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/90-12/30/96	156	1.079	1.137	3.079	0.301	0.434	0.659	0.301	0.602	1.602	2.061
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.707								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	156	6.	17.167	135.	1.	741.043	27.222	1.	2.	18.	54.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	156	0.778	0.78	2.13	0.	0.404	0.636	0.	0.301	1.255	1.737
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.03								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	155	4.	19.387	220.	1.	1437.265	37.911	1.	1.	16.	54.8
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/90-12/30/96	155	0.602	0.751	2.342	0.	0.455	0.674	0.	0.	1.204	1.739
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.641								

** - 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 1992 - Station GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	155	12.	303.568	20000.	2.	3342784.805	1828.328	2.	2.	44.	200.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/90-12/30/96	155	1.079	1.177	4.301	0.301	0.702	0.838	0.301	0.301	1.643	2.301
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.03								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	154	4.	196.26	20000.	1.	2731946.743	1652.86	1.	2.	20.	67.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	154	0.602	0.825	4.301	0.	0.631	0.794	0.	0.301	1.301	1.826
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.678								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	155	4.	60.49	3700.	1.	114244.862	338.001	1.	1.	14.	45.6
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/90-12/30/96	155	0.602	0.711	3.568	0.	0.55	0.742	0.	0.	1.146	1.659
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.141								

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Annual Analysis for 1993 - Station GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	154	10.	78.325	5400.	1.	192500.165	438.748	2.	4.	45.5	152.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/90-12/30/96	154	1.	1.13	3.732	0.	0.513	0.716	0.301	0.602	1.657	2.181
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.476								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	154	6.	46.409	3100.	1.	66513.907	257.903	1.	2.	20.	57.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	154	0.778	0.882	3.491	0.	0.464	0.681	0.	0.301	1.301	1.756
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.617								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	154	2.5	14.377	600.	1.	2680.821	51.777	1.	1.	10.	30.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/90-12/30/96	154	0.398	0.62	2.778	0.	0.338	0.581	0.	0.	1.	1.477

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Annual Analysis for 1993 - Station GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.173								

** - 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 box-and-whisker plot

Annual Analysis for 1994 - Station GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	157	10.	73.481	2400.	2.5	86466.795	294.052	2.5	5.	33.5	100.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/90-12/30/96	157	1.	1.123	3.38	0.398	0.426	0.652	0.398	0.699	1.525	2.
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.266								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	156	5.	52.131	2100.	2.5	61195.226	247.377	2.5	2.5	15.	46.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	156	0.699	0.898	3.322	0.398	0.369	0.608	0.398	0.398	1.176	1.667
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.906								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	153	## 2.5	8.84	195.	2.5	441.778	21.019	2.5	2.5	5.	20.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/90-12/30/96	153	## 0.398	0.631	2.29	0.398	0.158	0.397	0.398	0.398	0.699	1.301
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.278								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	158	15.	151.734	8800.	2.5	647036.719	804.386	2.5	5.	50.	133.5
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/90-12/30/96	158	1.176	1.276	3.944	0.398	0.503	0.709	0.398	0.699	1.699	2.124
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			18.892								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	156	10.	72.981	7600.	2.5	369837.993	608.143	2.5	2.5	25.	53.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	156	1.	1.01	3.881	0.398	0.36	0.6	0.398	0.398	1.398	1.723
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.239								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	154	5.	15.942	270.	2.5	1160.137	34.061	2.5	2.5	15.	40.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/90-12/30/96	154	0.699	0.818	2.431	0.398	0.255	0.505	0.398	0.398	1.176	1.602
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.574								

** - 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 box-and-whisker plot

Annual Analysis for 1996 - Station GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	162	30.	248.648	11100.	2.5	1109932.202	1053.533	5.	10.	100.	370.1
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/90-12/30/96	162	1.477	1.51	4.045	0.398	0.546	0.739	0.699	1.	2.	2.568
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			32.354								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	159	15.	77.925	3400.	2.5	125023.276	353.586	5.	5.	50.	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	159	1.176	1.263	3.531	0.398	0.338	0.582	0.699	0.699	1.699	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.327								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	158	5.	22.199	250.	2.5	1631.716	40.395	4.75	5.	15.	55.5
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/90-12/30/96	158	0.699	0.996	2.398	0.398	0.233	0.483	0.669	0.699	1.176	1.744
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			9.913								

** - 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

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	441	5.	32.146	4400.	1.	50167.536	223.981	2.	2.5	12.	50.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/90-12/30/96	441	0.699	0.863	3.643	0.	0.314	0.56	0.301	0.398	1.079	1.699
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			7.302								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	441	4.	18.965	2700.	1.	18731.275	136.862	1.	2.	10.	29.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	441	0.602	0.64	3.431	0.	0.312	0.559	0.	0.301	1.	1.465
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.365								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	439 ##		2.5	10.36	1200.	1.	3625.124	60.209	1.	2.	5.	14.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/90-12/30/96	439 ##		0.398	0.532	3.079	0.	0.229	0.479	0.	0.301	0.699	1.146
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			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 #2: 10/10 to 1/14 - Station GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	293	36.	296.824	20000.	1.	2277295.302	1509.071	4.	10.	100.	400.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/90-12/30/96	293	1.556	1.561	4.301	0.	0.576	0.759	0.602	1.	2.	2.602
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			36.353								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	287	15.	155.556	20000.	1.	1620800.847	1273.107	2.	5.	50.	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	287	1.176	1.205	4.301	0.	0.496	0.704	0.301	0.699	1.699	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.015								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	282	8.	43.784	3700.	1.	52843.295	229.877	2.	2.5	30.	72.8
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/90-12/30/96	282	0.903	1.002	3.568	0.	0.423	0.651	0.301	0.398	1.477	1.862
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			10.041								

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/90-12/30/96	362	20.	144.609	9100.	2.	471097.818	686.366	2.5	8.	60.	175.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/90-12/30/96	362	1.301	1.361	3.959	0.301	0.488	0.699	0.398	0.903	1.778	2.243
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			22.97								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	362	10.	65.454	4500.	1.	135608.231	368.25	2.	4.	25.	55.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/90-12/30/96	362	1.	1.017	3.653	0.	0.41	0.64	0.301	0.602	1.398	1.743
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.387								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/90-12/30/96	363	5.	37.876	2700.	1.	33603.808	183.313	1.	2.5	18.	54.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/90-12/30/96	363	0.699	0.88	3.431	0.	0.405	0.636	0.	0.398	1.255	1.732
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			7.592								

** - Less than 9 observations ## - Computed 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: GOGA0119

NPS Station ID: GOGA0119 | LAT/LON: 37.751912/-122.473839 | Agency: 11NPSWRD | Date Created: 06/12/99
Location: LAKE HONDA (LAGUNA HONDA) | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /RESERV/TYPA/AMBNT | STORET Station ID(s): GOGA_COE_HONDA
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050006 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050006 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT LAKE HONDA (EXACT SAMPLING COORDS. UNKNOWN) AND IS OUTSIDE OF GOLDEN GATE NATIONAL REC- REATION AREA (GOGA). DATA ARE FROM A REPORT BY MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. LITTLE IS KNOWN ABOUT WHAT THIS SITE WAS LIKE IN 1906; THEREFORE; WE ARE ASSUMING THAT ALL RESERVOIRS IN THIS REPORT WERE UNTREATED AND UNCOVERED. SOME OF THE RESERVOIRS THAT EXIST TODAY ARE NOW TREATED AND COVERED. OTHER ASSUMPTIONS HAVE BEEN MADE REGARDING SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT GOLDEN GATE NRA; FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	07/26/06-07/26/06	1	201.	201.	201.	201.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/26/06-07/26/06	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/26/06-07/26/06	1	111.	111.	111.	111.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/26/06-07/26/06	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/06-07/26/06	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	1	92.	92.	92.	92.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/06-07/26/06	1	38.	38.	38.	38.	0.	0.	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	10/05/06-10/05/06	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	10/05/06-10/05/06	1	3.	3.	3.	3.	0.	0.	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			1000.								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/26/06-07/26/06	1	0.28	0.28	0.28	0.28	0.	0.	**	**	**	**
71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/26/06-07/26/06	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/26/06-07/26/06	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: GOGA0119

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
71850	NITRATE NITROGEN, TOTAL (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: GOGA0120

NPS Station ID: GOGA0120
LAT/LON: 37.752086/-122.468400
Agency: 11NPSWRD
Date Created: 06/12/99
Location: CLARENDON HEIGHTS RESERVOIR
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_COE_CLARE
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CA 7.5' SERIES (TOPO.) QUAD. THE SITE IS AT A RESERVOIR AT CLARENDON AVE. AND OLYMPIA WAY (MAY BE SUTRO RESERVOIR) AND IS OUTSIDE OF GOLDEN GATE NATIONAL REC- REATION AREA (GOGA). DATA ARE FROM A REPORT BY MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. LITTLE IS KNOWN ABOUT WHAT THIS SITE WAS LIKE IN 1906; THEREFORE WE ARE ASSUMING THAT ALL RESERVOIRS IN THIS REPORT WERE UNTREATED AND UNCOVERED. SOME OF THE RESERVOIRS THAT EXIST TODAY ARE NOW TREATED AND COVERED. OTHER ASSUMPTIONS HAVE BEEN MADE REGARDING SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT GOLDEN GATE NRA; FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	07/06/06-07/06/06	1	202.	202.	202.	202.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/06/06-07/06/06	1	96.	96.	96.	96.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/06/06-07/06/06	1	106.	106.	106.	106.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/06/06-07/06/06	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/06/06-07/06/06	1	179.	179.	179.	179.	0.	0.	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/06/06-07/06/06	1	166.	166.	166.	166.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/06/06-07/06/06	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/06-07/06/06	1	18.	18.	18.	18.	0.	0.	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	07/06/06-07/06/06	1	4000.	4000.	4000.	4000.	0.	0.	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	07/06/06-07/06/06	1	3.602	3.602	3.602	3.602	0.	0.	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			4000.								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/06/06-07/06/06	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/06/06-07/06/06	1	2.	2.	2.	2.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/06/06-07/06/06	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: GOGA0120

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
71850	NITRATE NITROGEN, TOTAL (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: GOGA0121

NPS Station ID: GOGA0121
LAT/LON: 37.753190/-122.511006
Agency: 11TOX09
Date Created: 05/15/93
Location: OCEAN BEACH OPPOSITE VICENTE STREET
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/AMBNT/OCEAN/NRSHRE
STORET Station ID(s): CA0037681WQ21
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
DATA FROM NPDES RECEIVING WATER MONITORING. STATION LOCATED IN THE SURF AT OCEAN BEACH OPPOSITE THE VICENTE STREET OVERFLOW STRUCTURE

Parameter Inventory for Station: GOGA0121

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: GOGA0122

NPS Station ID: GOGA0122 LAT/LON: 37.753892/-122.508618 Agency: 11TOX09 Date Created: 05/15/93
Location: MIDWAY BETWEEN STATIONS WQ19 & WQ21 FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/AMBNT/OCEAN/NRSHRE STORET Station ID(s): CA0037681WQ20
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
DATA FROM NPDES RECEIVING WATER MONITORING. STATION LOCATED IN THE SURF MIDWAY BETWEEN STATIONS WQ19 AND WQ21

Parameter Inventory for Station: GOGA0122

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: GOGA0123

NPS Station ID: GOGA0123
LAT/LON: 37.760611/-122.511707
Agency: 11TOX09
Date Created: 05/15/93
Location: OCEAN BEACH OPPSITE LINCOLN WAY
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/AMBNT/OCEAN/NRSHRE
STORET Station ID(s): CA0037681WQ19
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
DATA FROM NPDES RECEIVING WATER MONITORING. STATION LOCATED AT A POINT IN THE SURF AT OCEAN BEACH OPPOSITE THE LINCOLN WAY OVERFLOW STRUCTURE.

Parameter Inventory for Station: GOGA0123

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: GOGA0124

NPS Station ID: GOGA0124 LAT/LON: 37.763828/-122.520337 Agency: 11NPSWRD Date Created: 12/31/99
Location: PACIFIC OCEAN IN LINE WITH LINCOLN WAY FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM10
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE POINT BONITA, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, OUTSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN THE PACIFIC OCEAN IN LINE WITH LINCOLN WAY. THE STATION IS PART OFF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD; 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	265	12.6	12.594	15.9	10.1	2.145	1.465	10.5	11.35	13.75	14.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/07/89-12/01/92	51	7.5	8.341	18.5	0.	31.227	5.588	0.2	6.2	13.2	16.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	28	2.15	2.364	3.8	1.	0.467	0.683	1.39	2.	2.8	3.33
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	259	49900.	45375.885	60600.	32.86	242015474.228	15556.847	36840.	48200.	52600.	54300.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	234	7.195	7.567	12.1	4.8	2.612	1.616	5.835	6.59	8.205	9.75
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	02/21/89-12/03/91	134	40450.	40307.388	46600.	35300.	7369381.848	2714.661	37500.	37815.	42400.	43600.
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	259	7.9	7.86	8.75	7.3	0.094	0.307	7.43	7.62	8.1	8.19
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	259	7.9	7.759	8.75	7.3	0.104	0.323	7.43	7.62	8.1	8.19
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	259	0.013	0.017	0.05	0.002	0.	0.012	0.006	0.008	0.024	0.037
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	266	33.8	34.008	40.9	27.5	4.475	2.115	32.	32.6	35.4	36.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/89-12/05/89	33	0.05	0.052	0.09	0.025	0.001	0.025	0.025	0.025	0.07	0.09
03582	OIL AND GREASE, WATER, TOTAL MG/L	02/21/89-12/05/89	33 ##	2.5	2.955	12.	2.5	3.553	1.885	2.5	2.5	2.5	2.5
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	194	5.	82.361	1300.	1.	40183.81	200.459	1.	2.	58.	200.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	194	0.699	1.004	3.114	0.	0.81	0.9	0.	0.301	1.763	2.301
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			10.097								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	194	4.5	27.518	600.	1.	4914.936	70.107	1.	1.	20.	74.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	194	0.651	0.776	2.778	0.	0.513	0.717	0.	0.	1.301	1.869
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.965								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	194 ##	2.5	9.124	400.	1.	962.08	31.017	1.	1.	6.	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 time series plot

Parameter Inventory for Station: GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	194 ##	0.398	0.493	2.602	0.	0.273	0.523	0.	0.	0.778	1.278
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.115								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	02/21/89-12/05/89	33	4.79	5.641	21.12	1.13	16.988	4.122	1.606	2.745	6.76	11.238
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	02/21/89-12/05/89	33	12.	13.773	34.	2.5	51.58	7.182	6.	9.5	19.5	24.2
50786	ORTHOPHOSPHATE AS P, WATER MG/L	02/21/89-12/05/89	33	0.05	0.043	0.08	0.005	0.	0.021	0.01	0.03	0.055	0.076
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	240	25.835	26.056	31.1	22.7	1.917	1.384	24.5	25.155	26.675	27.7

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EPA Water Quality Criteria Analysis for Station: GOGA0124

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	234	0	0.00	81	0	0.00	81	0	0.00	72	0	0.00			
00406	PH, FIELD	Marine Chronic	8.5	259	7	0.03	100	7	0.07	81	0	0.00	78	0	0.00			
		Other-Lo Lim.	6.5	259	0	0.00	100	0	0.00	81	0	0.00	78	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	194	3	0.02	74	1	0.01	65	2	0.03	55	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	194	4	0.02	74	0	0.00	65	2	0.03	55	2	0.04			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	194	10	0.05	74	0	0.00	65	5	0.08	55	5	0.09			

& - 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 1989 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	78	12.7	12.459	15.	10.1	2.16	1.47	10.29	10.6	13.7	14.11
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	78	53650.	53994.872	60600.	50600.	5664129.204	2379.943	51600.	52600.	54300.	56610.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	78	8.	7.872	12.	5.	4.244	2.06	5.	6.	9.	11.1
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	78	7.69	7.691	8.18	7.3	0.058	0.24	7.33	7.52	7.833	8.045
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	78	7.69	7.63	8.18	7.3	0.061	0.248	7.33	7.52	7.833	8.045
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	78	0.02	0.023	0.05	0.007	0.	0.012	0.009	0.015	0.03	0.047
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	78	35.55	35.912	40.9	33.4	3.162	1.778	34.3	34.875	36.3	37.82
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	54	2.	61.222	800.	1.	22043.421	148.47	1.	1.	58.5	160.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	54	0.301	0.806	2.903	0.	0.867	0.931	0.	0.	1.767	2.19
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6.401								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	54 ##	1.5	32.907	600.	1.	8673.255	93.13	1.	1.	23.	95.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	54 ##	0.151	0.671	2.778	0.	0.657	0.811	0.	0.	1.361	1.972
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.69								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	54	2.	7.833	68.	1.	254.858	15.964	1.	1.	6.	16.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	54	0.301	0.444	1.833	0.	0.298	0.546	0.	0.	0.778	1.204
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.779								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	78	26.9	27.224	31.1	25.2	1.856	1.363	26.1	26.4	27.7	28.47

** - 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

Annual Analysis for 1990 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	29	11.	11.19	13.7	10.2	0.784	0.885	10.2	10.65	11.5	12.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	29	49600.	51337.931	56800.	47800.	9836724.138	3136.355	48400.	49050.	53450.	56800.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	29	6.59	6.523	8.01	5.83	0.246	0.496	5.85	6.18	6.84	7.13
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	29	7.43	7.572	7.79	7.42	0.024	0.154	7.42	7.43	7.72	7.76
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	29	7.43	7.546	7.79	7.42	0.024	0.156	7.42	7.43	7.72	7.76
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	29	0.037	0.028	0.038	0.016	0.	0.01	0.017	0.019	0.037	0.038
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	29	32.7	34.014	38.1	31.4	5.318	2.306	31.9	32.4	35.5	38.
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	16.	166.6	1300.	1.	119188.884	345.237	1.	2.	92.5	776.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	1.201	1.181	3.114	0.	1.095	1.047	0.	0.301	1.932	2.888
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.174								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	3.	16.75	88.	1.	727.25	26.968	1.	1.	31.5	68.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	0.452	0.631	1.944	0.	0.536	0.732	0.	0.	1.396	1.834
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.279								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	1.	4.75	26.	1.	57.145	7.559	1.	1.	3.5	21.2
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.	0.309	1.415	0.	0.259	0.508	0.	0.	0.527	1.323
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.039								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	29	25.	26.003	29.1	24.	3.122	1.767	24.4	24.7	27.	29.1

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Annual Analysis for 1991 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	27	13.4	12.759	15.2	10.8	2.233	1.494	10.8	11.	14.1	14.52
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	27	51200.	51059.259	52200.	49700.	516353.276	718.577	49880.	50900.	51500.	51940.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	7	6.68	6.736	6.84	6.68	0.005	0.074	**	**	**	**
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	20	7.57	7.548	7.74	7.34	0.026	0.161	7.34	7.35	7.717	7.738
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	20	7.57	7.519	7.74	7.34	0.027	0.164	7.34	7.35	7.717	7.738
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	20	0.027	0.03	0.046	0.018	0.	0.011	0.018	0.019	0.045	0.046
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	27	33.82	33.716	34.52	32.75	0.257	0.507	32.884	33.49	33.99	34.318
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	6.	215.2	1100.	1.	137000.695	370.136	1.	1.25	200.	990.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	0.778	1.256	3.041	0.	1.391	1.179	0.	0.075	2.301	2.995

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Annual Analysis for 1991 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			18.051								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	4.	70.6	500.	1.	17217.411	131.215	1.	1.	112.	289.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	0.602	0.968	2.699	0.	0.938	0.968	0.	0.	1.971	2.457
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.294								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20	2.	34.05	400.	1.	7928.366	89.041	1.	1.	43.5	61.6
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20	0.301	0.725	2.602	0.	0.655	0.809	0.	0.	1.569	1.789
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.305								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	27	25.45	25.456	26.04	24.8	0.178	0.422	24.924	25.06	25.87	26.

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Annual Analysis for 1992 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	27	14.5	14.374	15.9	13.	1.036	1.018	13.	13.9	15.8	15.82
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	27	50600.	50659.259	52400.	49100.	1828660.969	1352.28	49380.	49400.	52300.	52300.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	27	8.04	7.656	8.5	6.95	0.402	0.634	6.95	7.01	8.25	8.418
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	27	8.08	8.046	8.19	7.93	0.01	0.101	7.93	7.93	8.17	8.182
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	27	8.08	8.035	8.19	7.93	0.01	0.102	7.93	7.93	8.17	8.182
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	27	0.008	0.009	0.012	0.006	0.	0.002	0.007	0.007	0.012	0.012
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	27	33.1	33.222	34.6	32.	1.026	1.013	32.3	32.3	34.4	34.5
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20 ##	12.	80.4	600.	1.	21087.2	145.214	1.	1.	114.25	245.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20 ##	0.989	1.028	2.778	0.	1.093	1.045	0.	0.	2.042	2.388
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			10.671								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	13.	28.55	98.	1.	1043.524	32.304	1.	1.25	57.	75.6
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	1.113	0.969	1.991	0.	0.614	0.784	0.	0.075	1.756	1.878
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.309								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	2.5	8.1	46.	1.	123.884	11.13	1.	1.	13.5	19.8
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.301	0.538	1.663	0.	0.352	0.593	0.	0.	1.129	1.296
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.452								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	27	25.6	25.611	26.9	24.5	0.85	0.922	24.5	24.5	26.6	26.72

** - 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 box-and-whisker plot

Annual Analysis for 1993 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	27	13.	12.889	15.	11.	2.333	1.528	11.	12.	15.	15.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	28	48250.	46875.	49900.	40500.	14381203.704	3792.256	40590.	42125.	49775.	49900.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	21	8.3	8.581	9.8	7.6	0.725	0.851	7.6	7.95	9.6	9.8
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	28	8.065	8.031	8.31	7.68	0.06	0.245	7.68	7.758	8.285	8.31
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	28	8.05	7.963	8.31	7.68	0.065	0.255	7.68	7.757	8.285	8.31
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	28	0.009	0.011	0.021	0.005	0.	0.006	0.005	0.005	0.018	0.021
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	28	32.	32.107	33.	30.	0.766	0.875	31.	31.25	33.	33.
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	9.	79.35	460.	1.	25839.397	160.746	1.	2.75	46.	449.1
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	0.952	1.076	2.663	0.	0.763	0.873	0.	0.401	1.661	2.652
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			11.902								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	5.	26.3	170.	1.	2715.8	52.113	1.	1.	11.5	146.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.699	0.771	2.23	0.	0.525	0.724	0.	0.	1.059	2.164
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.907								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	1.	5.95	34.	1.	121.524	11.024	1.	1.	3.5	31.6
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.	0.314	1.531	0.	0.296	0.545	0.	0.	0.527	1.499
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.063								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	27	25.4	25.041	25.7	22.7	0.497	0.705	24.2	24.5	25.5	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 box-and-whisker plot

Annual Analysis for 1994 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	25	12.6	12.608	14.9	11.	1.906	1.38	11.	11.	13.85	14.72
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	25	49900.	49016.	49900.	45300.	2158066.667	1469.036	46360.	48100.	49900.	49900.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	20	7.	7.199	8.25	6.03	0.747	0.864	6.061	6.318	8.188	8.22
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	25	7.98	8.02	8.14	7.9	0.009	0.093	7.9	7.935	8.11	8.118
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	25	7.98	8.01	8.14	7.9	0.009	0.093	7.9	7.935	8.11	8.118
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	25	0.01	0.01	0.013	0.007	0.	0.002	0.008	0.008	0.012	0.013
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	25	32.6	32.472	33.	30.6	0.239	0.489	31.72	32.5	32.6	32.88
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	5.	17.075	70.	2.5	371.639	19.278	2.5	3.125	32.5	43.6
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	0.699	0.961	1.845	0.398	0.252	0.502	0.398	0.473	1.508	1.639
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			9.137								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	7.5	9.75	30.	2.5	77.566	8.807	2.5	2.5	15.	29.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	0.849	0.818	1.477	0.398	0.161	0.401	0.398	0.398	1.176	1.46
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.58								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	2.5	3.	5.	2.5	1.053	1.026	2.5	2.5	2.5	5.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.398	0.458	0.699	0.398	0.015	0.124	0.398	0.398	0.398	0.699
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.872								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	25	25.4	25.292	25.9	23.6	0.249	0.499	24.56	25.05	25.65	25.78

** - 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 1995 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	27	12.6	12.826	14.1	12.2	0.265	0.515	12.3	12.5	13.	13.74
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	20	38550.	38333.5	38900.	36840.	277276.579	526.571	37357.	38072.5	38667.5	38882.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	27	7.22	7.654	12.1	4.8	5.263	2.294	5.018	6.32	10.75	11.26
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	27	8.36	8.291	8.75	7.94	0.075	0.274	7.958	8.01	8.61	8.704
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	27	8.36	8.216	8.75	7.94	0.081	0.285	7.958	8.01	8.61	8.704
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	27	0.004	0.006	0.011	0.002	0.	0.003	0.002	0.002	0.01	0.011
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	27	32.9	32.756	33.4	30.9	0.415	0.644	31.8	32.5	33.2	33.4
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20 ##	2.5	14.9	200.	2.5	1921.911	43.84	2.5	2.5	10.	19.3
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20 ##	0.398	0.664	2.301	0.398	0.243	0.493	0.398	0.398	1.	1.282
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4.617								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	2.5	5.25	20.	2.5	35.461	5.955	2.5	2.5	2.5	19.5
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.398	0.557	1.301	0.398	0.11	0.332	0.398	0.398	0.398	1.289
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.608								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	2.5	3.	10.	2.5	3.026	1.74	2.5	2.5	2.5	4.75
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.398	0.443	1.	0.398	0.022	0.147	0.398	0.398	0.398	0.669
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.774								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	27	25.62	25.506	26.16	23.77	0.377	0.614	24.632	25.28	25.98	26.094

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

Annual Analysis for 1996 - Station GOGA0124

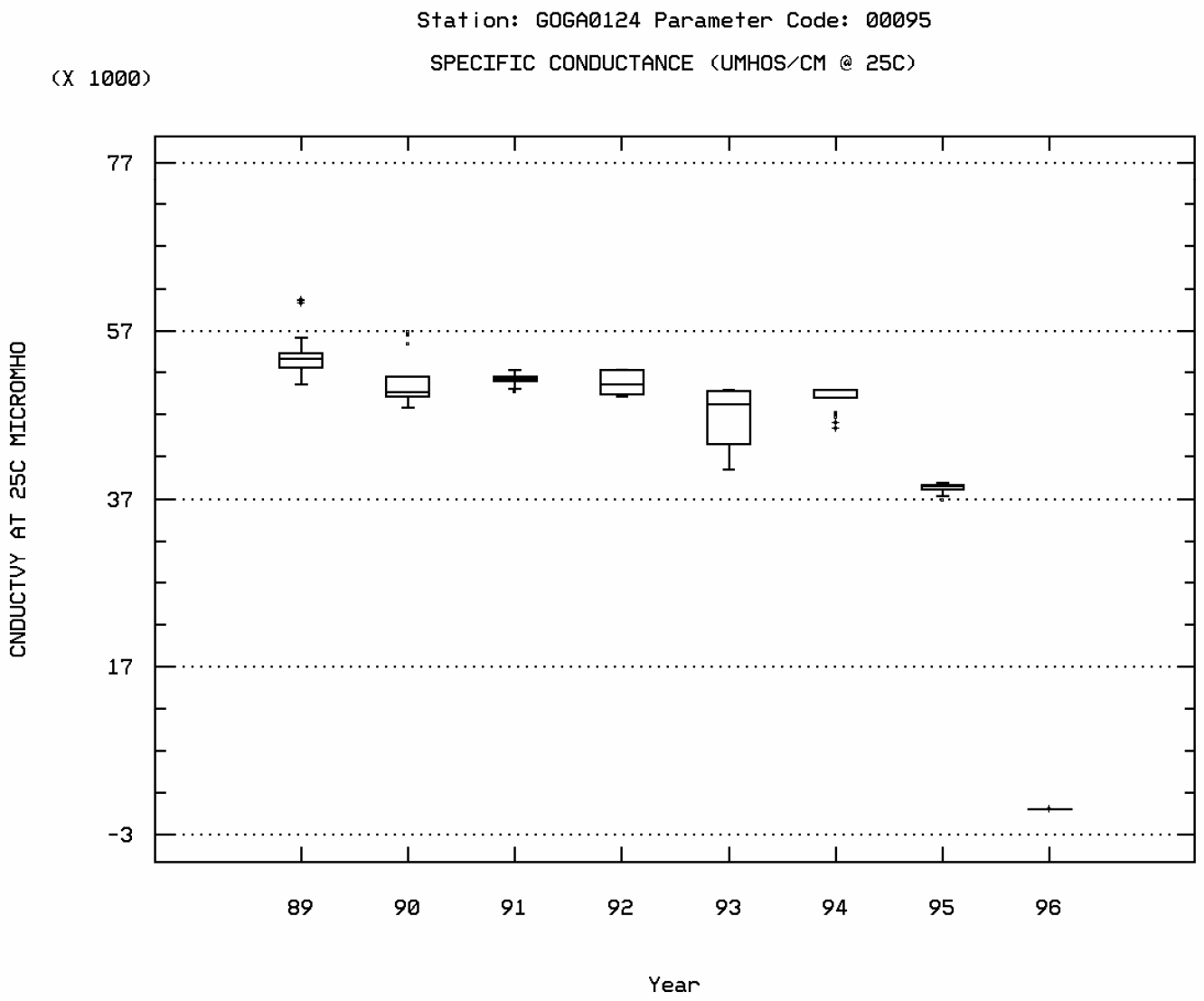
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	25	11.9	11.956	13.4	10.3	0.869	0.932	10.48	11.5	12.75	13.34
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	25	40.24	39.367	41.44	32.86	6.765	2.601	33.678	38.695	41.365	41.42
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	25	7.22	7.31	9.09	5.52	1.205	1.098	5.59	7.1	8.11	8.908
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	25	7.94	7.954	8.15	7.77	0.017	0.129	7.77	7.86	8.055	8.15
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	25	7.94	7.937	8.15	7.77	0.017	0.13	7.77	7.86	8.055	8.15
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	25	0.011	0.012	0.017	0.007	0.	0.003	0.007	0.009	0.014	0.017
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	25	35.6	34.248	36.6	27.5	9.06	3.01	27.9	32.7	36.15	36.54
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	45.	60.075	216.	2.5	4155.507	64.463	2.5	5.	100.	190.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	1.651	1.397	2.334	0.398	0.473	0.688	0.398	0.699	2.	2.271

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

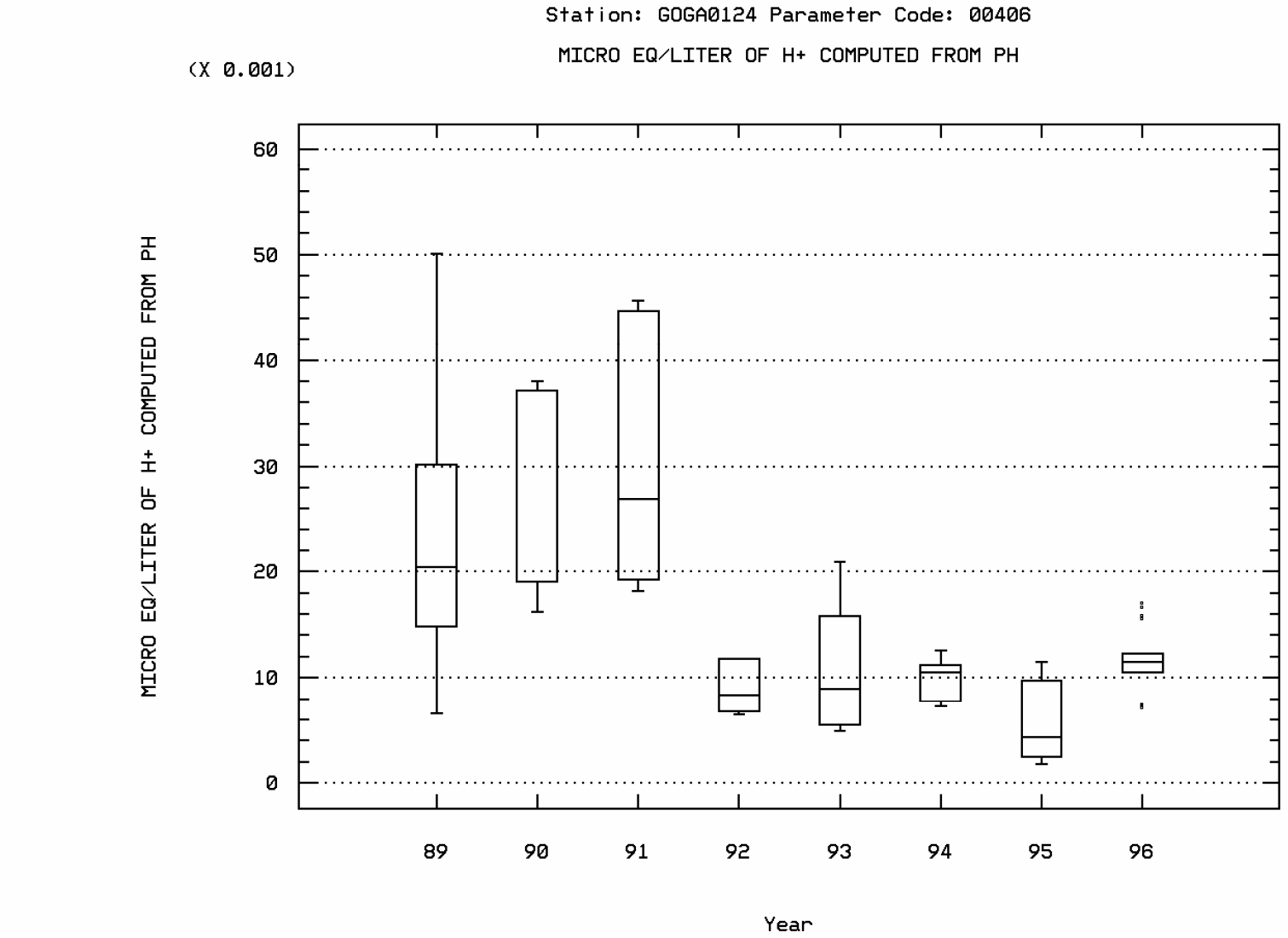
Annual Analysis for 1996 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			24.955								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	5.	20.875	100.	2.5	852.813	29.203	2.5	5.	27.5	86.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.699	0.996	2.	0.398	0.264	0.514	0.398	0.699	1.433	1.929
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.904								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	5.	8.5	30.	2.5	56.842	7.539	2.5	5.	13.75	20.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.699	0.801	1.477	0.398	0.107	0.327	0.398	0.699	1.132	1.301
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.319								

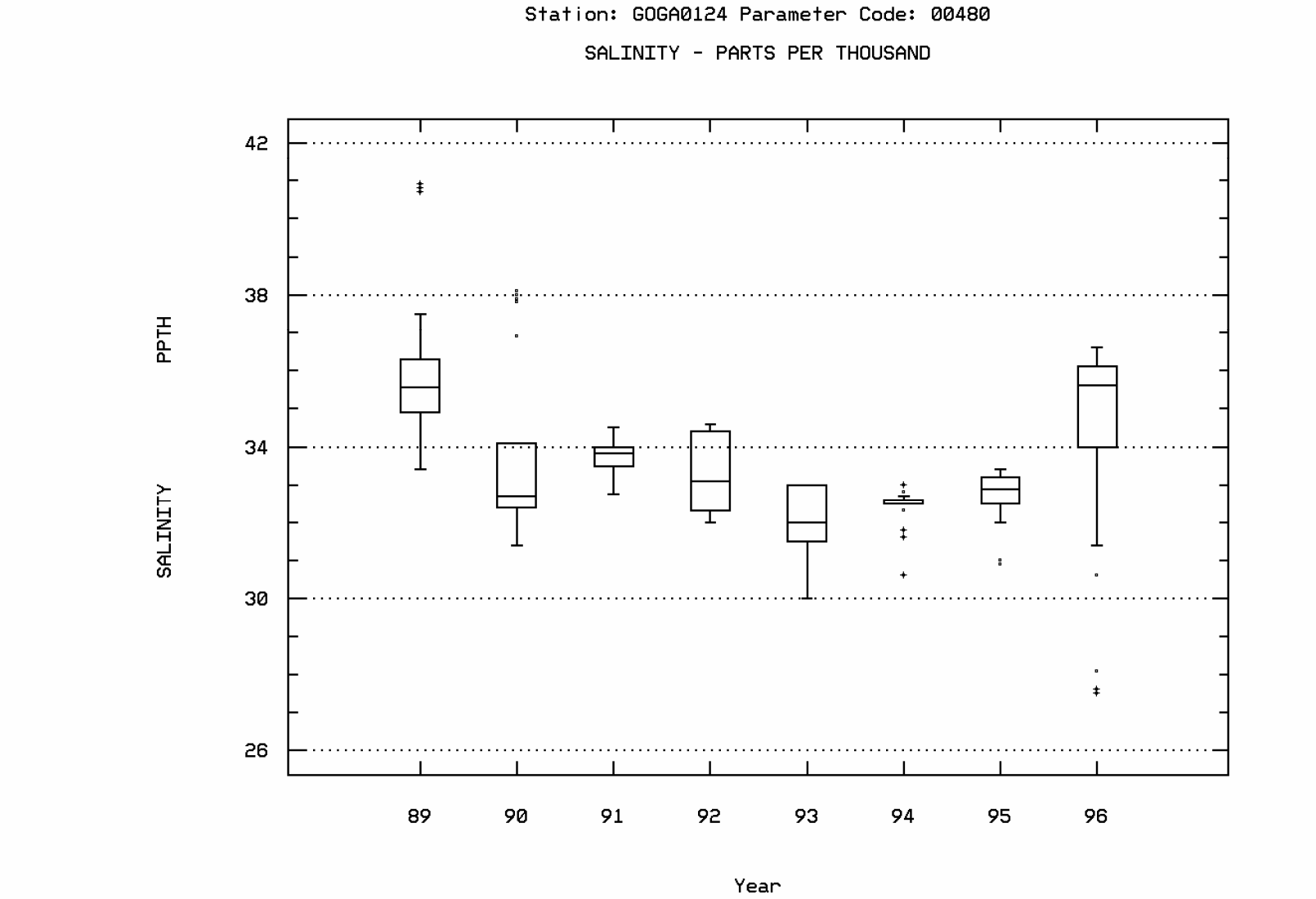
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



PACIFIC OCEAN IN LINE WITH LINCOLN WAY



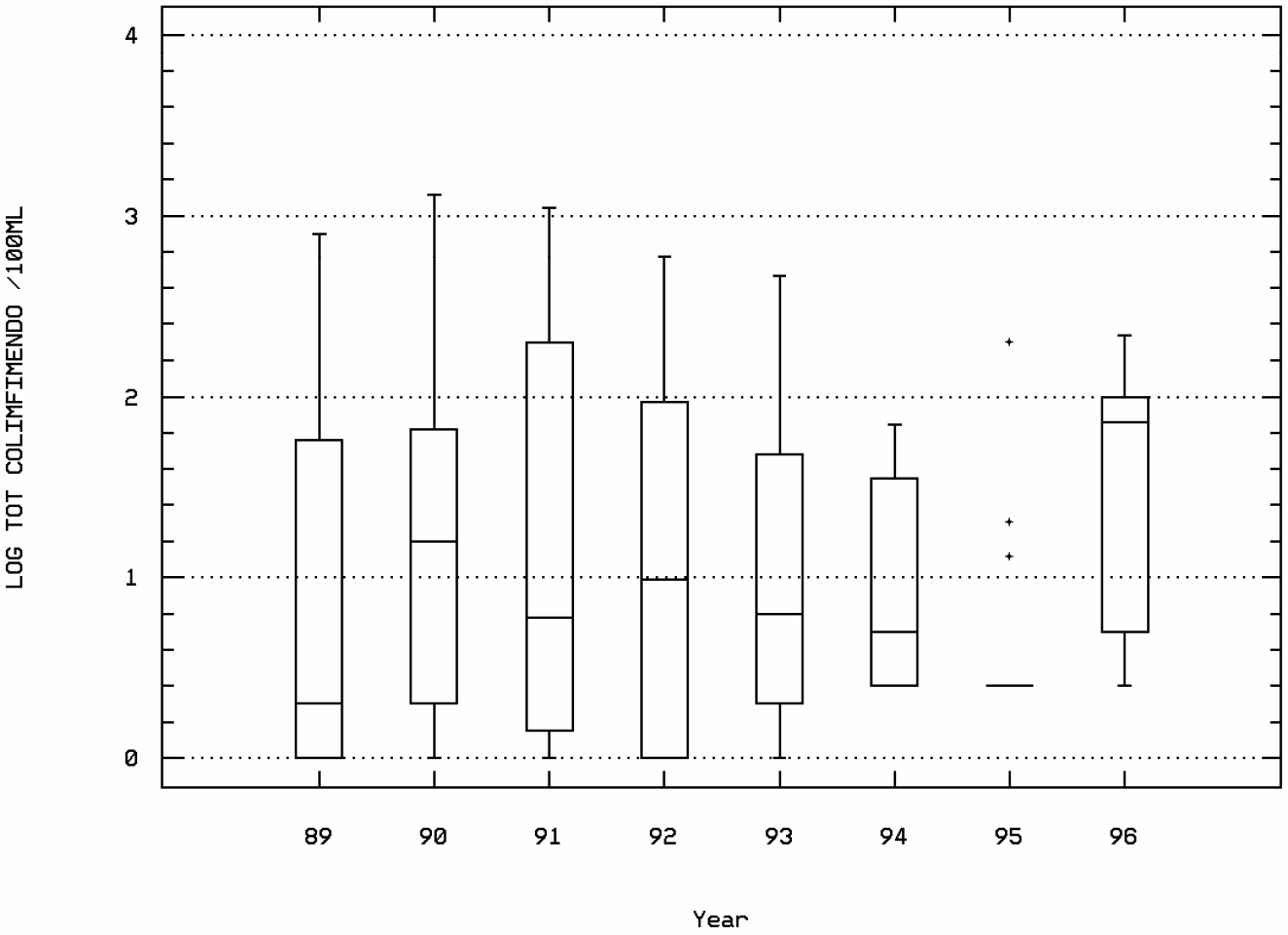
PACIFIC OCEAN IN LINE WITH LINCOLN WAY



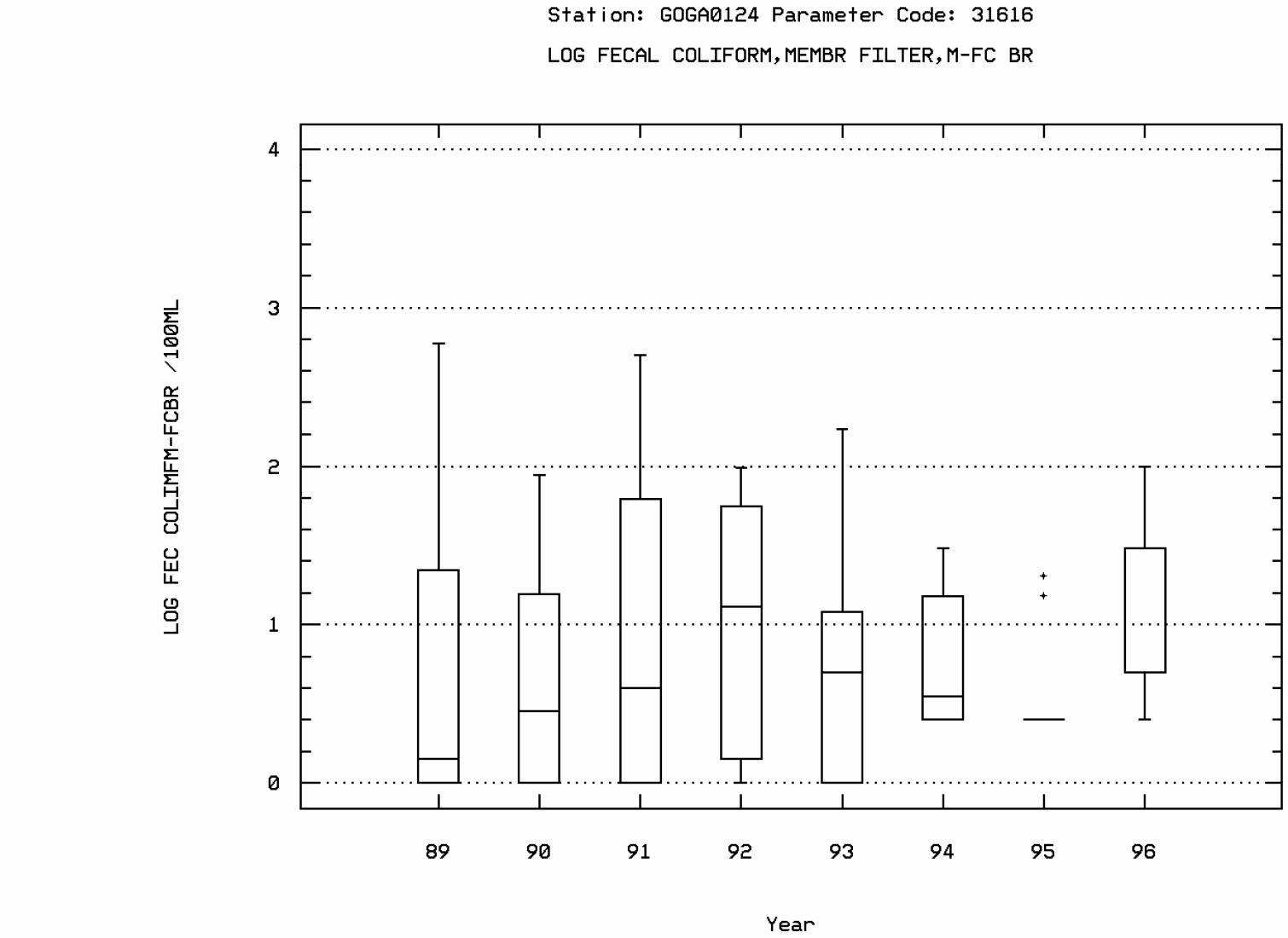
PACIFIC OCEAN IN LINE WITH LINCOLN WAY

Station: GOGA0124 Parameter Code: 31501

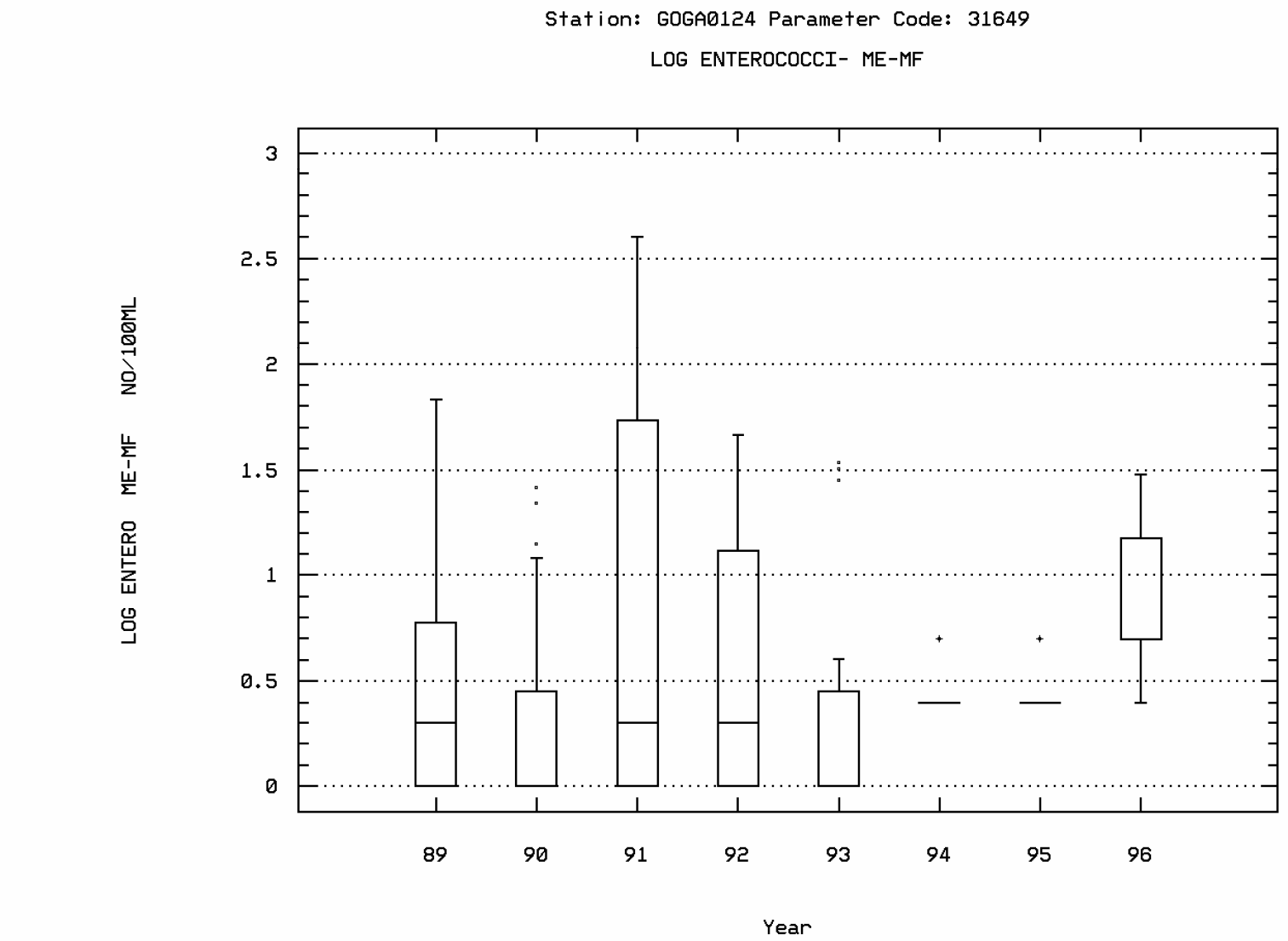
LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



PACIFIC OCEAN IN LINE WITH LINCOLN WAY



PACIFIC OCEAN IN LINE WITH LINCOLN WAY



PACIFIC OCEAN IN LINE WITH LINCOLN WAY

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	99	13.5	13.205	15.	10.3	1.717	1.31	11.	12.5	14.2	14.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	10	2.5	2.69	3.8	1.9	0.45	0.671	1.92	2.1	3.3	3.75
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	93	52200.	47180.003	56800.	39.96179	141752.814	13384.385	38594.	47200.	53650.	54900.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	81	7.	7.846	12.1	4.8	5.977	2.445	5.	5.845	10.275	12.
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	100	7.775	7.88	8.75	7.3	0.112	0.335	7.51	7.683	8.1	8.31
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	100	7.775	7.772	8.75	7.3	0.124	0.353	7.51	7.682	8.1	8.31
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	100	0.017	0.017	0.05	0.002	0.	0.011	0.005	0.008	0.021	0.031
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	100	34.415	34.354	38.1	31.8	2.654	1.629	32.23	33.	35.5	36.58
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	74 ##	2.5	52.986	1300.	1.	36640.616	191.417	1.	1.	5.	79.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	74 ##	0.398	0.628	3.114	0.	0.613	0.783	0.	0.	0.699	1.882
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4.251								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	74 ##	2.5	8.061	88.	1.	250.767	15.836	1.	1.	6.	27.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	74 ##	0.398	0.472	1.944	0.	0.292	0.54	0.	0.	0.778	1.431
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.967								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	74 ##	2.	3.149	26.	1.	20.327	4.509	1.	1.	2.5	6.
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	74 ##	0.301	0.301	1.415	0.	0.126	0.354	0.	0.	0.398	0.778
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.002								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	93	26.1	26.25	29.1	24.6	1.07	1.034	25.128	25.5	26.7	27.7

** - 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: 10/10 to 1/14 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	88	12.15	12.47	15.9	10.8	2.074	1.44	10.8	11.5	13.225	14.66
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	11	2.	2.245	3.6	1.	0.559	0.747	1.08	1.8	2.8	3.48
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	88	49500.	42926.277	60600.	40.24345	235269.72	18580.508	41.38	48125.	51300.	55930.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	81	7.1	7.287	8.3	6.17	0.45	0.671	6.402	6.72	8.	8.2
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	81	7.93	7.893	8.18	7.42	0.037	0.193	7.71	7.765	7.98	8.11
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	81	7.93	7.844	8.18	7.42	0.04	0.2	7.71	7.765	7.98	8.11
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	81	0.012	0.014	0.038	0.007	0.	0.008	0.008	0.01	0.017	0.019
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	88	33.715	34.272	40.9	31.	6.566	2.562	32.09	32.325	36.	37.23
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	65	13.	95.338	1100.	1.	49122.759	221.637	1.	4.	78.5	200.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	65	1.114	1.247	3.041	0.	0.71	0.843	0.	0.602	1.895	2.301
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			17.659								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	65	6.	32.969	500.	1.	6050.483	77.785	1.	2.5	21.	81.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	65	0.778	0.922	2.699	0.	0.487	0.698	0.	0.398	1.322	1.904
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.358								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	65 ##	4.	14.362	400.	1.	2547.77	50.475	1.	1.	9.	20.
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	65 ##	0.602	0.618	2.602	0.	0.315	0.561	0.	0.	0.952	1.301
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.15								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	75	25.6	26.024	31.1	24.	3.446	1.856	24.5	24.8	26.06	29.28

** - 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 #3: 1/15 to 5/14 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	78	12.	11.956	14.	10.1	1.917	1.384	10.2	10.4	13.125	13.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	7	2.1	2.086	2.7	1.3	0.201	0.449	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	78	49950.	45988.48	54300.	32.86195	629353.043	13986.756	37263.	48700.	52450.	53900.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	72	7.645	7.567	9.09	5.	1.152	1.073	6.	6.95	8.283	9.
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	78	7.69	7.8	8.39	7.32	0.127	0.356	7.34	7.483	8.172	8.225
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	78	7.69	7.672	8.39	7.32	0.143	0.378	7.34	7.482	8.172	8.225
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	78	0.02	0.021	0.048	0.004	0.	0.015	0.006	0.007	0.033	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 #3: 1/15 to 5/14 - Station GOGA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	78	33.	33.268	36.3	27.5	3.781	1.944	30.87	32.35	34.675	35.9
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	55	16.	106.545	800.	1.	33886.78	184.084	1.	2.5	100.	444.6
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	55	1.204	1.223	2.903	0.	0.913	0.955	0.	0.398	2.	2.648
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			16.702								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55	6.	47.255	600.	1.	9105.091	95.421	1.	2.5	70.	134.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55	0.778	1.011	2.778	0.	0.655	0.81	0.	0.398	1.845	2.127
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.246								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	55	2.5	10.973	68.	1.	306.059	17.495	1.	1.	12.	38.8
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	55	0.398	0.605	1.833	0.	0.352	0.593	0.	0.	1.079	1.584
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.025								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	72	25.62	25.839	27.9	22.7	1.376	1.173	24.43	25.013	26.9	27.47

** - 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 Inventory for Station: GOGA0125

NPS Station ID: GOGA0125 LAT/LON: 37.764131/-122.510730 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH AT THE LINCOLN OVERFLOW STRUCTURE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_SW19
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE POINT BONITA, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT OCEAN BEACH AT THE LINCOLN OVERFLOW STRUCTURE. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) SOUTHWEST OCEAN OUTFALL REGIONAL MONITORING PROGRAM AND WERE REPORTED IN THE 1997 AND 1998 ANNUAL REPORTS. THIS PROGRAM REPLACES THE CCSF OCEAN OUTFALL MONITORING PROGRAM AND MONITORS SHORELINE BACTERIOLOGICAL, MARINE SEDIMENT, BENTHIC INFAUNA AND FISH AND EPIBENTHIC INVERTEBRATES. FOR MORE INFORMATION ON THE STUDE, CONTACT CCSF AT TEL. (415) 242-2201. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE PARK AT FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	636	10.	181.462	16000.	5.	1752445.351	1323.8	5.	5.	30.	103.6
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/97-12/29/99	636	1.	1.206	4.204	0.699	0.392	0.626	0.699	0.699	1.477	2.015
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			16.064								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38	15.	580.132	16000.	5.	7198906.063	2683.078	5.	5.	70.	117.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38	1.151	1.369	4.204	0.699	0.642	0.801	0.699	0.699	1.834	2.063
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			23.398								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	74	10.	31.351	200.	5.	2351.573	48.493	5.	5.	25.	100.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/97-03/28/97	74	1.	1.133	2.301	0.699	0.267	0.517	0.699	0.699	1.376	2.
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			13.588								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0125

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	636	13	0.02	254	0	0.00	168	3	0.02	214	10	0.05			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	2	0.05				7	1	0.14	31	1	0.03			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	74	18	0.24				14	8	0.57	60	10	0.17			

& - 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: GOGA0126

NPS Station ID: GOGA0126 LAT/LON: 37.764131/-122.510730 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH IN THE SURF IN LINE WITH LINCOLN WAY FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM19
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE POINT BONITA, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT OCEAN BEACH IN THE SURF IN LINE WITH LINCOLN WAY. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0126

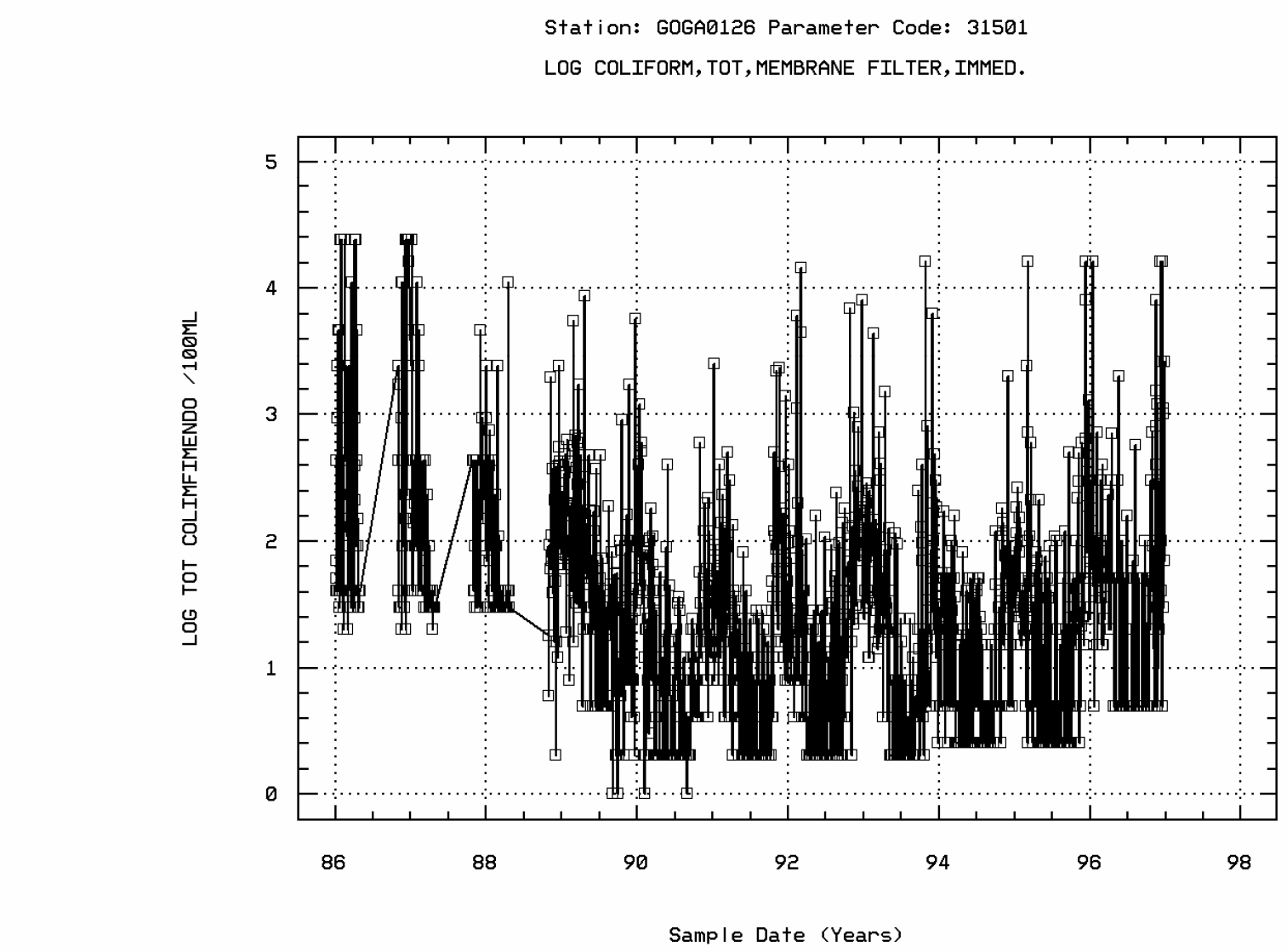
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	1502	27.	477.988	24000.	1.	6276947.983	2505.384	2.5	5.	88.	400.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	1502	1.431	1.453	4.38	0.	0.722	0.85	0.398	0.699	1.944	2.602
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			28.382								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1249	6.	109.22	16000.	1.	814152.102	902.304	1.	2.5	26.	70.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1249	0.778	0.98	4.204	0.	0.496	0.704	0.	0.398	1.415	1.845
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.552								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	1243	5.	44.66	16000.	1.	237290.605	487.125	1.	2.	14.	47.2
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	1243	0.699	0.772	4.204	0.	0.413	0.642	0.	0.301	1.146	1.674
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.911								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0126

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1502	74	0.05	505	1	0.00	435	44	0.10	562	29	0.05			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1249	53	0.04	505	5	0.01	331	28	0.08	413	20	0.05			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	1241 &	150	0.12	504	23	0.05	324	69	0.21	413	58	0.14			

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



OCEAN BEACH IN THE SURF IN LINE WITH LI

Annual Analysis for 1986 - Station GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	93	210.	3589.57	24000.	20.	57607186.77	7589.94	30.	40.	1315.	24000.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	93	2.322	2.491	4.38	1.301	0.998	0.999	1.477	1.602	3.099	4.38
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			310.026								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	77	90.	911.429	24000.	20.	9650357.143	3106.502	30.	40.	430.	2400.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	77	1.954	2.188	4.38	1.301	0.481	0.694	1.477	1.602	2.633	3.38
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			154.055								

** - 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 1988 - Station GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	75	40.	386.613	11000.	2.	1814770.754	1347.134	30.	30.	212.	630.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	75	1.602	1.905	4.041	0.301	0.426	0.653	1.477	1.477	2.326	2.794
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			80.278								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	33.	243.372	8700.	1.	904121.512	950.853	5.	8.5	100.	436.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.518	1.585	3.94	0.	0.574	0.757	0.699	0.927	2.	2.639
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			38.481								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	8.	67.346	4200.	1.	124990.292	353.54	1.	4.	30.	82.7
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	0.903	1.01	3.623	0.	0.506	0.711	0.	0.602	1.477	1.917
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.225								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	4.	31.128	1000.	1.	14059.08	118.571	1.	1.	12.	66.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.602	0.67	3.	0.	0.518	0.72	0.	0.	1.079	1.819
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.675								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	154	9.	47.188	1200.	1.	17564.455	132.531	2.	2.75	32.	100.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	154	0.952	1.061	3.079	0.	0.443	0.666	0.301	0.433	1.505	2.
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			11.52								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	4.	18.865	700.	1.	3776.572	61.454	1.	2.	14.	46.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	0.602	0.753	2.845	0.	0.359	0.599	0.	0.301	1.146	1.666
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.661								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	155	4.	35.935	1100.	1.	21526.243	146.718	1.	1.	14.	48.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	155	0.602	0.716	3.041	0.	0.488	0.699	0.	0.	1.146	1.679
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.195								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	157	14.	95.713	2500.	2.	116688.013	341.596	2.	4.	44.	131.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	157	1.146	1.224	3.398	0.301	0.505	0.711	0.301	0.602	1.642	2.117
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			16.749								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	6.	67.516	4500.	1.	163243.546	404.034	1.	2.	19.	70.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	0.778	0.844	3.653	0.	0.509	0.714	0.	0.301	1.278	1.845
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.987								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	4.	57.756	4000.	1.	114177.398	337.901	1.	1.	14.	63.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.602	0.759	3.602	0.	0.541	0.736	0.	0.	1.146	1.798
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.736								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	16.	314.378	14500.	2.	2364407.321	1537.663	2.	4.	69.5	177.2
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.204	1.29	4.161	0.301	0.685	0.828	0.301	0.602	1.842	2.248
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			19.506								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	8.	112.271	5800.	1.	322042.368	567.488	1.	2.	34.	84.8
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	0.903	0.98	3.763	0.	0.624	0.79	0.	0.301	1.531	1.928
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.548								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	5.	62.859	3000.	1.	98493.425	313.837	1.	2.	18.	75.2
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.699	0.822	3.477	0.	0.555	0.745	0.	0.301	1.255	1.876
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.63								

** - 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 1993 - Station GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	18.5	237.119	16000.	2.	2006770.549	1416.605	2.	4.	69.5	200.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.267	1.275	4.204	0.301	0.643	0.802	0.301	0.602	1.842	2.301
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			18.841								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	154	8.	156.698	16000.	1.	1711079.743	1308.082	1.	2.	28.	69.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	154	0.903	0.969	4.204	0.	0.558	0.747	0.	0.301	1.447	1.839
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.307								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	154	2.5	123.107	16000.	1.	1662545.333	1289.397	1.	1.	14.	41.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	154	0.398	0.701	4.204	0.	0.487	0.698	0.	0.	1.146	1.613
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.019								

** - 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 box-and-whisker plot

Annual Analysis for 1994 - Station GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	10.	39.196	2000.	2.5	26247.105	162.01	2.5	5.	39.	75.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.	1.098	3.301	0.398	0.334	0.578	0.398	0.699	1.591	1.875
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			12.54								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	5.	27.516	1300.	2.5	13581.895	116.541	2.5	2.5	15.	45.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	0.699	0.899	3.114	0.398	0.28	0.529	0.398	0.398	1.176	1.653
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.925								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	153 ##	2.5	9.395	165.	2.5	420.232	20.5	2.5	2.5	5.	20.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	153 ##	0.398	0.658	2.217	0.398	0.166	0.407	0.398	0.398	0.699	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 box-and-whisker plot

Annual Analysis for 1994 - Station GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.551								

** - 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 1995 - Station GOGA0126

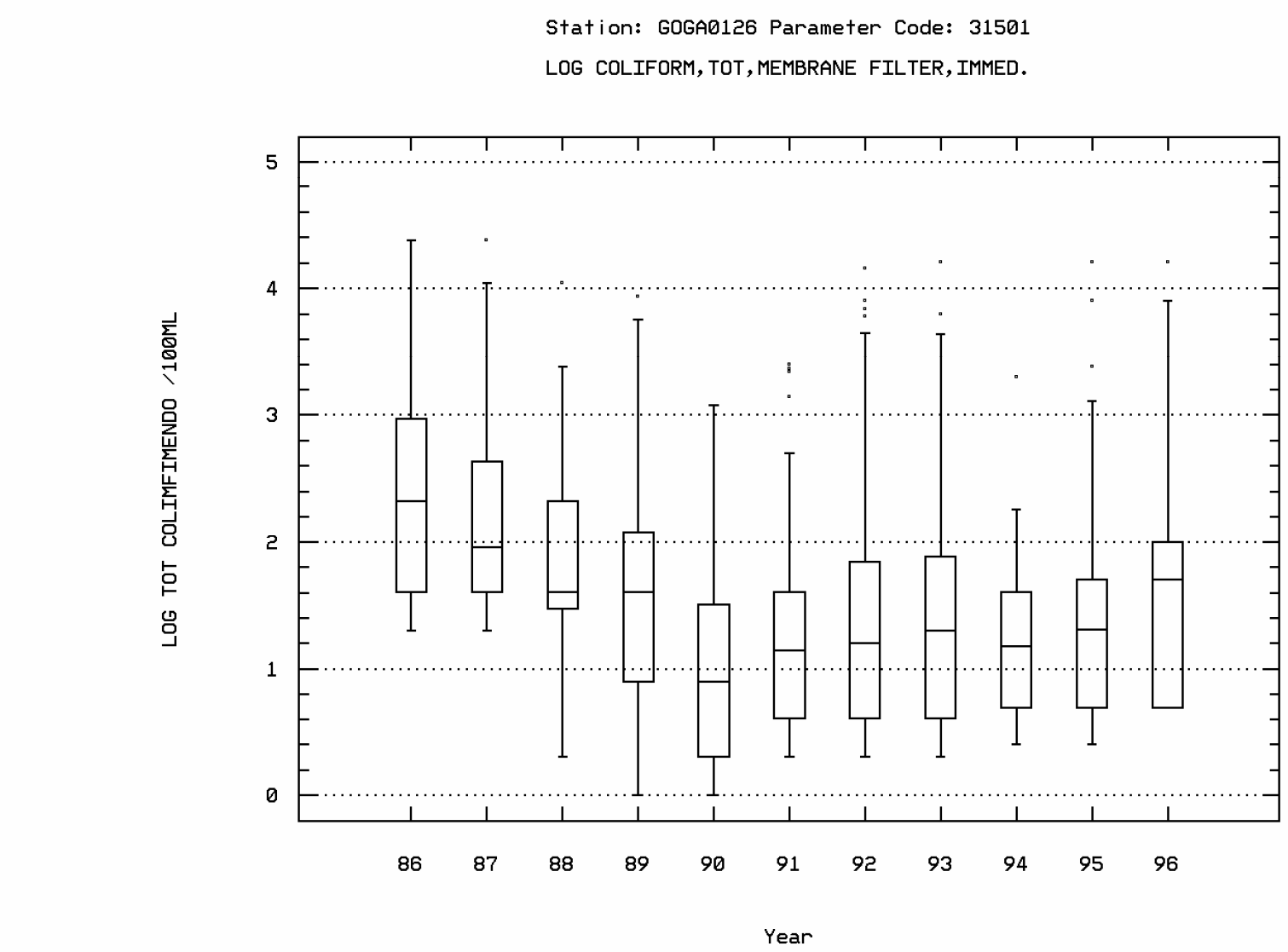
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	158	20.	334.101	16000.	2.5	3621716.744	1903.081	2.5	5.	50.	211.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	158	1.301	1.327	4.204	0.398	0.626	0.791	0.398	0.699	1.699	2.324
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			21.209								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	10.	241.314	16000.	2.5	3253846.891	1803.842	2.5	5.	30.	86.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	1.	1.092	4.204	0.398	0.482	0.694	0.398	0.699	1.477	1.932
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.363								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	154	5.	15.779	220.	2.5	759.029	27.55	2.5	2.5	15.	42.5
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	154	0.699	0.858	2.342	0.398	0.243	0.492	0.398	0.398	1.176	1.628
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			7.213								

** - 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 1996 - Station GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	164	40.	486.195	16000.	5.	5035026.293	2243.886	5.	5.	89.5	485.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	164	1.602	1.558	4.204	0.699	0.661	0.813	0.699	0.699	1.952	2.679
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			36.105								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	160	10.	180.719	10000.	2.5	918601.288	958.437	5.	5.	50.	160.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	160	1.	1.285	4.	0.398	0.485	0.696	0.699	0.699	1.699	2.204
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.294								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	159	## 5.	21.667	200.	2.5	1506.54	38.814	2.5	5.	20.	60.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	159	## 0.699	0.985	2.301	0.398	0.232	0.481	0.398	0.699	1.301	1.778
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			9.652								

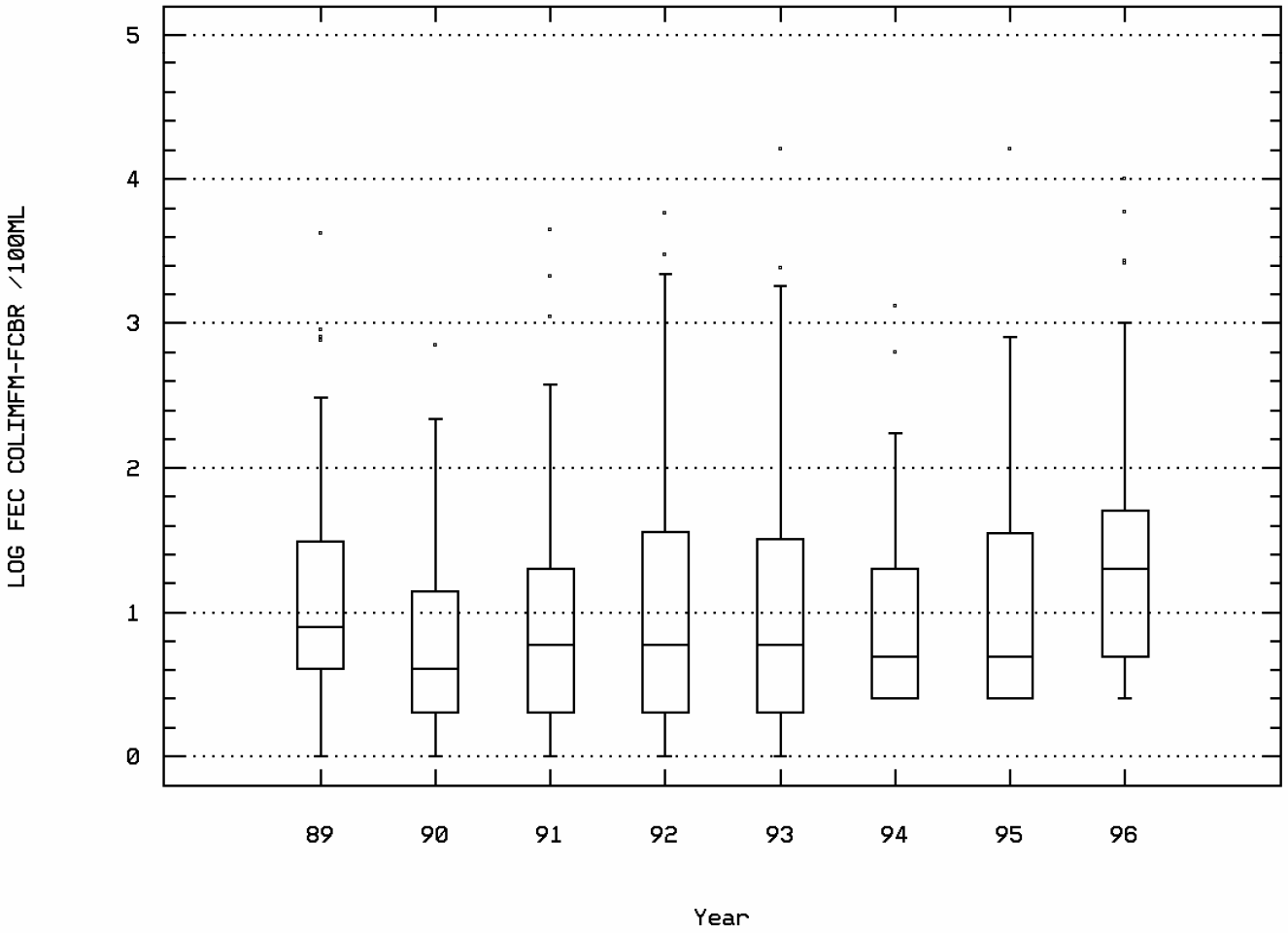
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



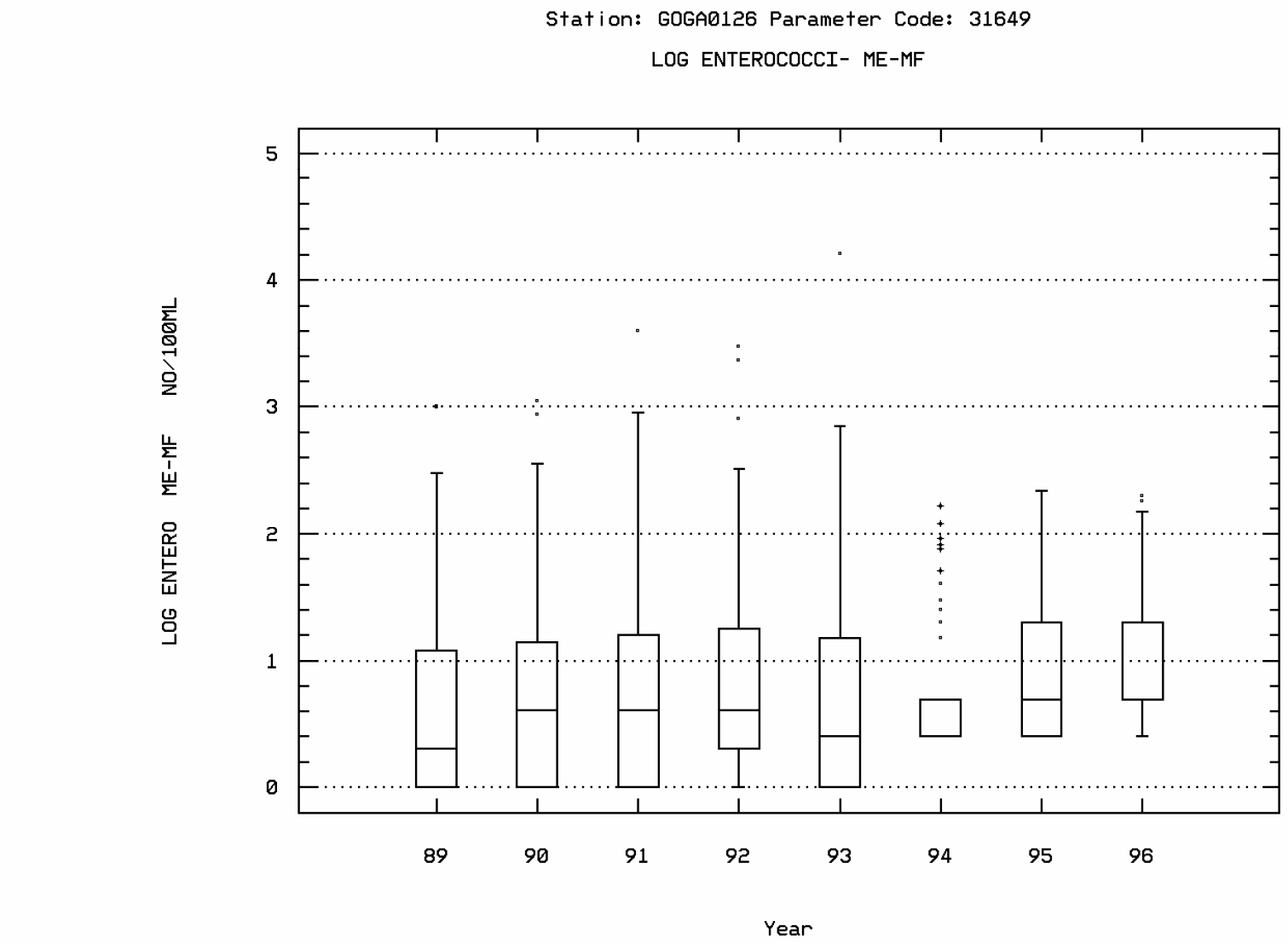
OCEAN BEACH IN THE SURF IN LINE WITH LI

Station: GOGA0126 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



OCEAN BEACH IN THE SURF IN LINE WITH LI



OCEAN BEACH IN THE SURF IN LINE WITH LI

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	505	5.	26.774	2000.	1.	10883.801	104.325	2.	2.5	20.	50.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	505	0.699	0.911	3.301	0.	0.314	0.56	0.301	0.398	1.301	1.699
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			8.147								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	505	4.	16.878	2700.	1.	15024.856	122.576	1.	2.	10.	24.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	505	0.602	0.661	3.431	0.	0.288	0.537	0.	0.301	1.	1.387
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.579								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	504 ##	2.5	9.596	990.	1.	2244.732	47.379	1.	1.	5.	15.5
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	504 ##	0.398	0.526	2.996	0.	0.236	0.486	0.	0.	0.699	1.19
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.357								

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0126

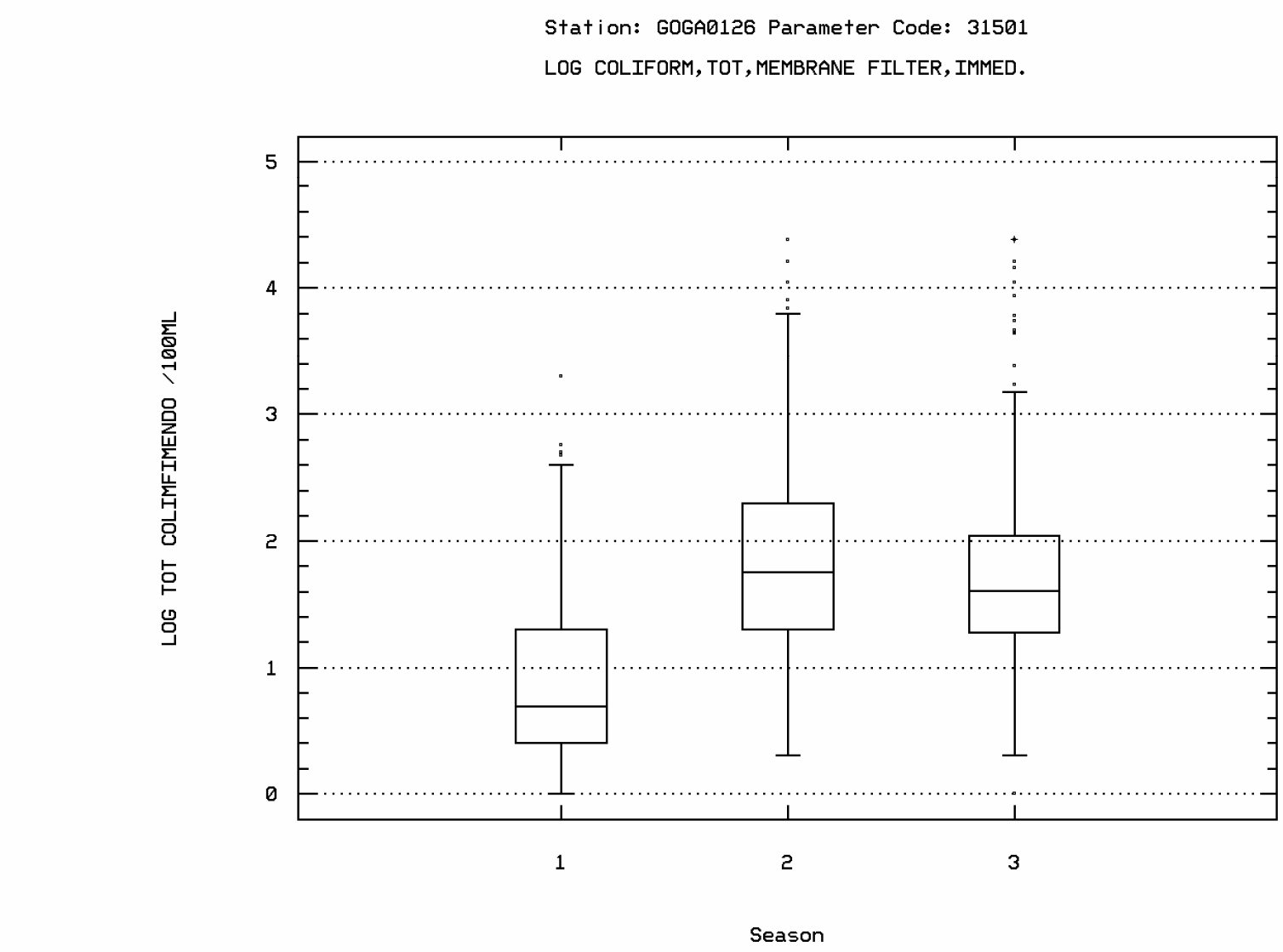
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	435	50.	840.345	24000.	2.	10576487.593	3252.151	6.	16.	180.	1008.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	435	1.699	1.819	4.38	0.301	0.739	0.859	0.778	1.204	2.255	3.003
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			65.922								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	331	15.	228.979	16000.	1.	1826942.995	1351.645	2.5	5.	50.	168.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	331	1.176	1.264	4.204	0.	0.588	0.767	0.398	0.699	1.699	2.225
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.382								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	325	10.	109.669	16000.	1.	849177.96	921.509	2.	4.	29.	110.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	325	1.	1.083	4.204	0.	0.486	0.697	0.301	0.602	1.462	2.041
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			12.119								

** - 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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	562	40.	602.966	24000.	1.	8301797.183	2881.284	4.	15.	104.25	430.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	562	1.602	1.657	4.38	0.	0.669	0.818	0.602	1.176	2.018	2.633
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			45.378								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	413	12.	126.151	16000.	1.	962199.79	980.918	2.	5.	36.	89.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	413	1.079	1.143	4.204	0.	0.462	0.68	0.301	0.699	1.556	1.949
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.888								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	414	5.	36.314	3000.	1.	39782.49	199.455	1.	2.375	16.25	57.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	414	0.699	0.826	3.477	0.	0.419	0.647	0.	0.374	1.211	1.755
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			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 box-and-whisker plot



OCEAN BEACH IN THE SURF IN LINE WITH LI

Station Inventory for Station: GOGA0127

NPS Station ID: GOGA0127 LAT/LON: 37.771998/-122.512506 Agency: 11TOX09 Date Created: 05/15/93
Location: OCEAN STREET AT FOOT OF CABRILLO STREET FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/AMBNT/OCEAN/NRSHRE STORET Station ID(s): CA0037681WQ18
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
DATA FROM NPDES RECEIVING WATER MONITORING. STATION LOCATED AT A POINT IN THE SURF OPPOSITE THE BATHHOUSE ON PHELAN BEACH.

Parameter Inventory for Station: GOGA0127

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: GOGA0128

NPS Station ID: GOGA0128 LAT/LON: 37.772495/-122.521677 Agency: 11NPSWRD Date Created: 12/31/99
Location: PACIFIC OCEAN IN LINE WITH FULTON STREET FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM09
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE POINT BONITA, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, OUTSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN THE PACIFIC OCEAN IN LINE WITH FULTON ST. THE STATION IS PART OFF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD; 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	281	12.9	12.691	16.2	10.	2.112	1.453	10.7	11.7	13.8	14.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/07/89-12/01/92	55	7.4	8.617	18.5	0.	27.785	5.271	1.02	6.	13.2	17.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	27	2.2	2.267	3.5	1.1	0.487	0.698	1.36	1.8	2.9	3.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	273	50100.	44620.884	60600.	29.66	26525838	3.459	16286.755	41.34	47900.	52200.	54400.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	255	7.2	7.589	11.89	3.8	2.114	1.454	6.	6.87	8.29	9.5
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	02/21/89-12/03/91	136	40420.	40039.412	46500.	32000.	9899439.651	3146.337	35570.	37800.	42500.	43900.
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	272	7.89	7.845	8.72	7.28	0.089	0.298	7.423	7.59	7.995	8.167
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	272	7.89	7.751	8.72	7.28	0.098	0.313	7.423	7.59	7.995	8.167
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	272	0.013	0.018	0.052	0.002	0.	0.011	0.007	0.01	0.026	0.038
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	281	33.62	33.743	40.8	24.6	4.422	2.103	31.	32.4	34.95	36.3
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/89-12/05/89	33	0.05	0.061	0.17	0.025	0.002	0.041	0.025	0.025	0.085	0.12
03582	OIL AND GREASE, WATER, TOTAL MG/L	02/21/89-12/05/89	33 ##	2.5	2.606	6.	2.5	0.371	0.609	2.5	2.5	2.5	2.5
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	190	9.	76.516	1700.	1.	40439.137	201.095	1.	2.5	56.5	198.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	190	0.952	1.068	3.23	0.	0.713	0.844	0.	0.398	1.752	2.296
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			11.702								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	190	5.	28.213	600.	1.	5468.493	73.949	1.	2.	20.	64.1
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	190	0.699	0.782	2.778	0.	0.472	0.687	0.	0.301	1.301	1.806
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.051								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	190 ##	2.5	6.637	64.	1.	158.219	12.579	1.	1.	5.	13.8

** - 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

Parameter Inventory for Station: GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	190 ##	0.398	0.473	1.806	0.	0.225	0.475	0.	0.	0.699	1.139
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.974								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	02/21/89-12/05/89	33	4.22	4.915	19.71	1.13	14.156	3.762	1.858	2.53	5.35	9.328
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	02/21/89-12/05/89	33	12.	12.636	25.	5.	19.989	4.471	8.	10.	14.5	20.6
50786	ORTHOPHOSPHATE AS P, WATER MG/L	02/21/89-12/05/89	33	0.05	0.052	0.09	0.02	0.	0.02	0.02	0.04	0.07	0.08
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	251	25.6	25.791	31.	22.42	1.843	1.358	24.32	25.1	26.3	27.5

** - 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: GOGA0128

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	255	5	0.02	88	5	0.06	94	0	0.00	73	0	0.00			
00406	PH, FIELD	Marine Chronic	8.5	272	8	0.03	100	8	0.08	93	0	0.00	79	0	0.00			
		Other-Lo Lim.	6.5	272	0	0.00	100	0	0.00	93	0	0.00	79	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	190	3	0.02	70	0	0.00	65	1	0.02	55	2	0.04			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	190	10	0.05	70	0	0.00	65	5	0.08	55	5	0.09			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	190	11	0.06	70	0	0.00	65	4	0.06	55	7	0.13			

& - 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 1989 - Station GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	78	12.95	12.624	14.7	10.1	2.125	1.458	10.2	11.25	13.8	14.21
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	78	53500.	53706.41	60600.	50700.	5344763.57	2311.874	51490.	52200.	54400.	56360.
00300p	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	78	8.	7.842	11.	5.	2.942	1.715	5.	7.	9.	11.
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	78	7.595	7.663	8.19	7.28	0.048	0.218	7.37	7.52	7.842	7.937
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	78	7.595	7.613	8.19	7.28	0.05	0.224	7.37	7.52	7.842	7.937
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	78	0.025	0.024	0.052	0.006	0.	0.011	0.012	0.014	0.03	0.043
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	78	35.6	35.701	40.8	33.4	2.873	1.695	34.1	34.6	36.225	37.6
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	55	8.	92.564	1700.	1.	79637.732	282.202	1.	2.	58.	112.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	55	0.903	1.043	3.23	0.	0.769	0.877	0.	0.301	1.763	2.046
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			11.035								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55	4.	29.782	600.	1.	8463.803	91.999	1.	1.	16.	59.6
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55	0.602	0.748	2.778	0.	0.497	0.705	0.	0.	1.204	1.759
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.6								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	55	2.	6.509	62.	1.	171.292	13.088	1.	1.	6.	12.8
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	55	0.301	0.418	1.792	0.	0.254	0.504	0.	0.	0.778	1.106
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.617								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	78	26.65	27.005	31.	25.1	1.738	1.318	25.89	26.1	27.5	28.29

** - 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 box-and-whisker plot

Annual Analysis for 1990 - Station GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	28	11.3	11.671	13.6	10.3	1.425	1.194	10.3	10.8	13.175	13.31
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	28	50350.	51125.	55800.	47900.	8252314.815	2872.684	48180.	48725.	54325.	55800.
00300p	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	28	6.745	6.734	8.13	6.02	0.151	0.389	6.28	6.433	6.9	7.03
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	28	7.55	7.572	7.77	7.41	0.026	0.16	7.41	7.42	7.75	7.77
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	28	7.534	7.545	7.77	7.41	0.026	0.162	7.41	7.42	7.75	7.77
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	28	0.029	0.029	0.039	0.017	0.	0.01	0.017	0.018	0.038	0.039
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	28	33.25	33.825	37.2	31.5	4.335	2.082	31.77	32.1	36.125	37.2
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	24.	28.25	94.	1.	868.618	29.472	1.	4.	43.	83.4
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	1.379	1.102	1.973	0.	0.448	0.669	0.	0.602	1.63	1.921
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			12.641								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	3.	6.3	28.	1.	61.695	7.855	1.	1.	8.5	19.8
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	0.452	0.521	1.447	0.	0.24	0.49	0.	0.	0.901	1.296
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.32								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20	## 1.	2.25	8.	1.	3.461	1.86	1.	1.	4.	4.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20	## 0.	0.241	0.903	0.	0.092	0.303	0.	0.	0.602	0.602
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			1.741								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	28	25.4	25.75	28.1	23.9	2.198	1.483	24.1	24.625	27.3	28.1

** - 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 1991 - Station GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	30	12.75	12.807	15.1	10.9	2.556	1.599	10.9	10.9	14.4	14.59
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	30	50950.	50910.	51600.	50000.	222310.345	471.498	50100.	50775.	51300.	51400.
00300p	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	9	6.91	6.986	7.41	6.84	0.032	0.178	6.84	6.87	7.05	7.41
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	21	7.5	7.546	7.73	7.37	0.022	0.149	7.37	7.37	7.72	7.72
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	21	7.5	7.522	7.73	7.37	0.023	0.151	7.37	7.37	7.72	7.72
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	21	0.032	0.03	0.043	0.019	0.	0.01	0.019	0.019	0.043	0.043
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	30	33.665	33.605	34.07	32.97	0.093	0.306	33.05	33.563	33.82	33.916
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	24.	202.8	1000.	1.	89345.642	298.907	1.	2.	375.	694.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	1.379	1.433	3.	0.	1.243	1.115	0.	0.301	2.571	2.841

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			27.101								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	5.	79.1	400.	1.	16630.2	128.958	1.	1.	168.5	300.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	0.602	1.007	2.602	0.	1.021	1.011	0.	0.	2.153	2.477
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.164								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20	2.	17.3	64.	1.	529.8	23.017	1.	1.	29.5	63.6
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20	0.301	0.713	1.806	0.	0.561	0.749	0.	0.	1.47	1.803
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.166								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	30	25.225	25.36	25.8	24.87	0.087	0.294	25.021	25.138	25.74	25.794

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	32	14.2	14.278	16.2	13.	1.027	1.013	13.	13.325	15.2	15.84
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	32	49700.	50359.375	52300.	49200.	1543135.081	1242.23	49200.	49400.	52100.	52200.
00300p	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	32	7.57	7.587	8.41	6.94	0.357	0.598	6.953	6.975	8.2	8.353
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	32	8.02	8.037	8.18	7.93	0.008	0.089	7.933	7.948	8.133	8.16
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	32	8.018	8.028	8.18	7.93	0.008	0.089	7.933	7.948	8.132	8.16
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	32	0.01	0.009	0.012	0.007	0.	0.002	0.007	0.007	0.011	0.012
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	32	32.55	32.984	34.4	32.1	0.839	0.916	32.1	32.3	34.225	34.4
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20 ##	2.5	32.7	180.	1.	2532.326	50.322	1.	1.	61.5	109.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20 ##	0.301	0.784	2.255	0.	0.802	0.896	0.	0.	1.783	2.037
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6.076								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	9.	22.2	70.	1.	575.747	23.995	1.	2.	43.5	68.6
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20	0.952	0.972	1.845	0.	0.458	0.677	0.	0.301	1.63	1.835
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.365								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20	2.	4.15	14.	1.	14.976	3.87	1.	1.	7.5	9.8
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20	0.301	0.42	1.146	0.	0.189	0.435	0.	0.	0.872	0.99
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.628								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	32	25.1	25.434	26.6	24.4	0.618	0.786	24.46	24.9	26.475	26.6

** - 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 1993 - Station GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	32	12.	12.688	15.	10.	2.544	1.595	10.	12.	14.	15.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	32	47900.	46787.5	50800.	40400.	12543709.677	3541.71	40500.	47225.	49050.	50700.
00300p	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	32	8.35	7.822	9.7	3.8	3.6	1.897	4.	7.55	8.875	9.6
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	32	7.95	7.991	8.3	7.57	0.063	0.251	7.58	7.788	8.148	8.3
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	32	7.95	7.918	8.3	7.57	0.068	0.262	7.58	7.788	8.147	8.3
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	32	0.011	0.012	0.027	0.005	0.	0.007	0.005	0.007	0.017	0.026
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	32	31.	31.844	33.	31.	0.91	0.954	31.	31.	33.	33.
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	10.	97.8	660.	1.	39280.8	198.194	1.	1.25	67.5	570.6
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	1.	1.109	2.82	0.	0.906	0.952	0.	0.075	1.828	2.752
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			12.858								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	5.	42.15	290.	1.	7348.976	85.726	1.	1.	27.5	210.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.699	0.819	2.462	0.	0.712	0.844	0.	0.	1.439	2.322
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.588								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	1.5	9.2	60.	1.	304.695	17.456	1.	1.	5.	47.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.151	0.452	1.778	0.	0.363	0.602	0.	0.	0.699	1.671
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.831								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	32	24.5	24.825	26.3	23.6	0.84	0.917	23.63	23.925	25.5	26.3

** - 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 1994 - Station GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	28	12.6	12.614	15.3	11.	2.066	1.437	11.	11.	13.85	15.01
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	28	49600.	48842.857	50100.	44800.	2134391.534	1460.956	46720.	47525.	49700.	49910.
00300p	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	23	7.07	7.243	8.32	5.98	0.722	0.85	6.068	6.39	8.2	8.276
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	28	7.925	7.974	8.13	7.81	0.01	0.101	7.89	7.91	8.12	8.13
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	28	7.925	7.963	8.13	7.81	0.01	0.101	7.89	7.91	8.12	8.13
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	28	0.012	0.011	0.015	0.007	0.	0.002	0.007	0.008	0.012	0.013
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	28	32.4	32.271	32.9	30.5	0.367	0.606	31.14	32.3	32.6	32.8
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	5.	31.3	400.	2.5	7729.063	87.915	2.5	2.5	18.75	45.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	0.699	0.905	2.602	0.398	0.366	0.605	0.398	0.398	1.27	1.653
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			8.033								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	2.5	6.625	35.	2.5	74.523	8.633	2.5	2.5	5.	24.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.398	0.634	1.544	0.398	0.123	0.351	0.398	0.398	0.699	1.376
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.31								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	2.5	3.	5.	2.5	1.053	1.026	2.5	2.5	2.5	5.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.398	0.458	0.699	0.398	0.015	0.124	0.398	0.398	0.398	0.699
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.872								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	28	25.35	25.104	25.8	23.4	0.343	0.586	24.14	24.85	25.4	25.53

** - 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 1995 - Station GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	23	12.6	12.743	13.4	12.4	0.097	0.312	12.4	12.5	13.	13.26
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	15	37680.	37074.667	38250.	34950.	1630483.81	1276.904	34950.	35890.	38060.	38196.
00300p	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	23	7.35	8.385	11.89	6.44	3.938	1.984	6.538	6.82	10.65	11.456
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	23	8.38	8.314	8.72	7.89	0.098	0.312	7.898	7.95	8.61	8.7
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	23	8.38	8.208	8.72	7.89	0.11	0.331	7.898	7.95	8.61	8.7
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	23	0.004	0.006	0.013	0.002	0.	0.004	0.002	0.002	0.011	0.013
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	23	32.6	32.1	33.1	29.2	1.619	1.272	29.5	32.1	33.	33.1
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	15	5.	4.833	10.	2.5	8.452	2.907	2.5	2.5	5.	10.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	15	0.699	0.619	1.	0.398	0.058	0.24	0.398	0.398	0.699	1.
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4.156								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	15 ##	2.5	3.	5.	2.5	1.071	1.035	2.5	2.5	2.5	5.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	15 ##	0.398	0.458	0.699	0.398	0.016	0.125	0.398	0.398	0.398	0.699
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.872								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	15 ##	2.5	2.833	5.	2.5	0.774	0.88	2.5	2.5	2.5	5.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	15 ##	0.398	0.438	0.699	0.398	0.011	0.106	0.398	0.398	0.398	0.699
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.742								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	23	25.35	24.963	25.87	22.42	1.231	1.11	22.716	24.97	25.74	25.87

** - 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

Annual Analysis for 1996 - Station GOGA0128

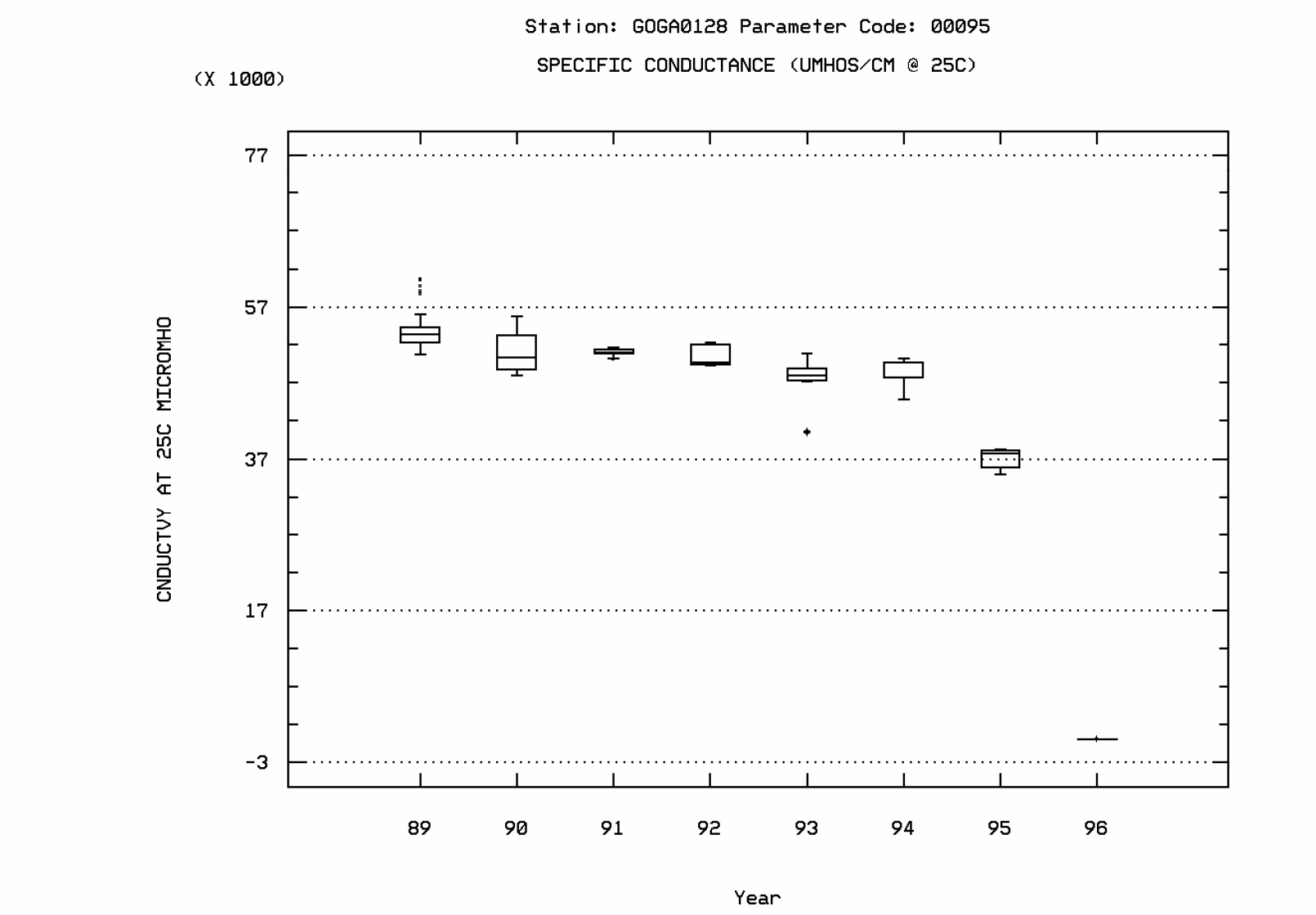
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	30	12.	12.04	13.4	10.3	0.8	0.894	10.52	11.5	12.75	13.29
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	30	40.05	39.377	41.39	29.66	6.677	2.584	36.147	39.43	41.283	41.34
00300p	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	30	7.16	7.314	9.18	5.36	1.058	1.029	5.541	7.05	7.875	8.792
00406p	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	30	7.935	7.945	8.15	7.76	0.015	0.124	7.771	7.878	8.008	8.13
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	30	7.935	7.929	8.15	7.76	0.016	0.125	7.771	7.877	8.007	8.13
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	30	0.012	0.012	0.017	0.007	0.	0.003	0.007	0.01	0.013	0.017
00480p	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	30	35.55	34.183	36.3	24.6	8.109	2.848	30.32	33.025	36.	36.29
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	20	45.	75.875	300.	2.5	7469.918	86.429	2.5	6.25	115.	200.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	20	1.651	1.484	2.477	0.398	0.494	0.703	0.398	0.774	2.059	2.301

** - 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 box-and-whisker plot

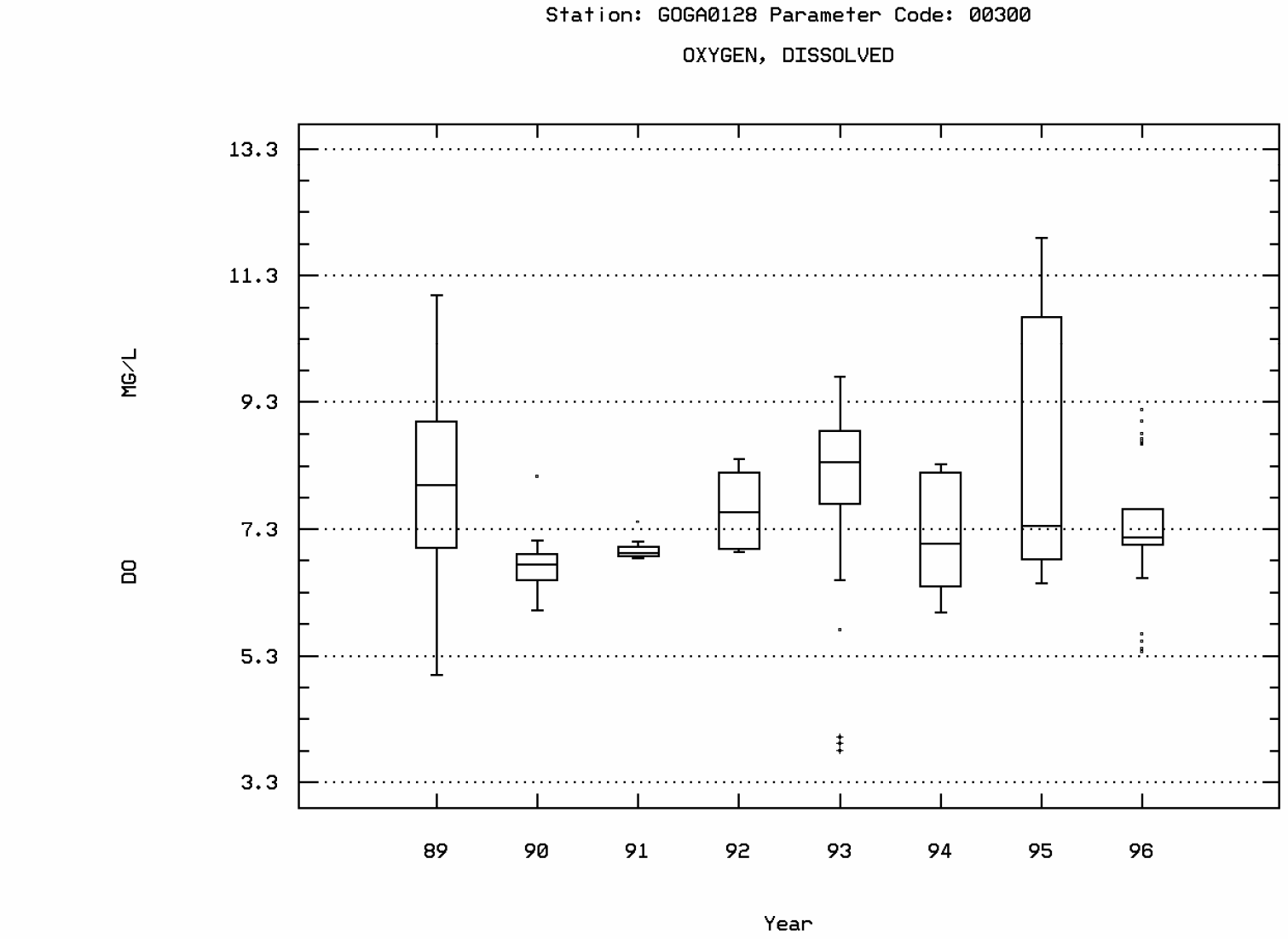
Annual Analysis for 1996 - Station GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			30.502								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	5.	27.5	100.	2.5	1176.316	34.297	2.5	5.	51.25	98.5
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	20 ##	0.699	1.074	2.	0.398	0.352	0.593	0.398	0.699	1.706	1.993
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.847								
31649p	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	20 ##	5.	7.125	35.	2.5	53.47	7.312	2.5	3.125	8.75	14.5
31649p	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	20 ##	0.699	0.735	1.544	0.398	0.086	0.294	0.398	0.473	0.925	1.158
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.432								

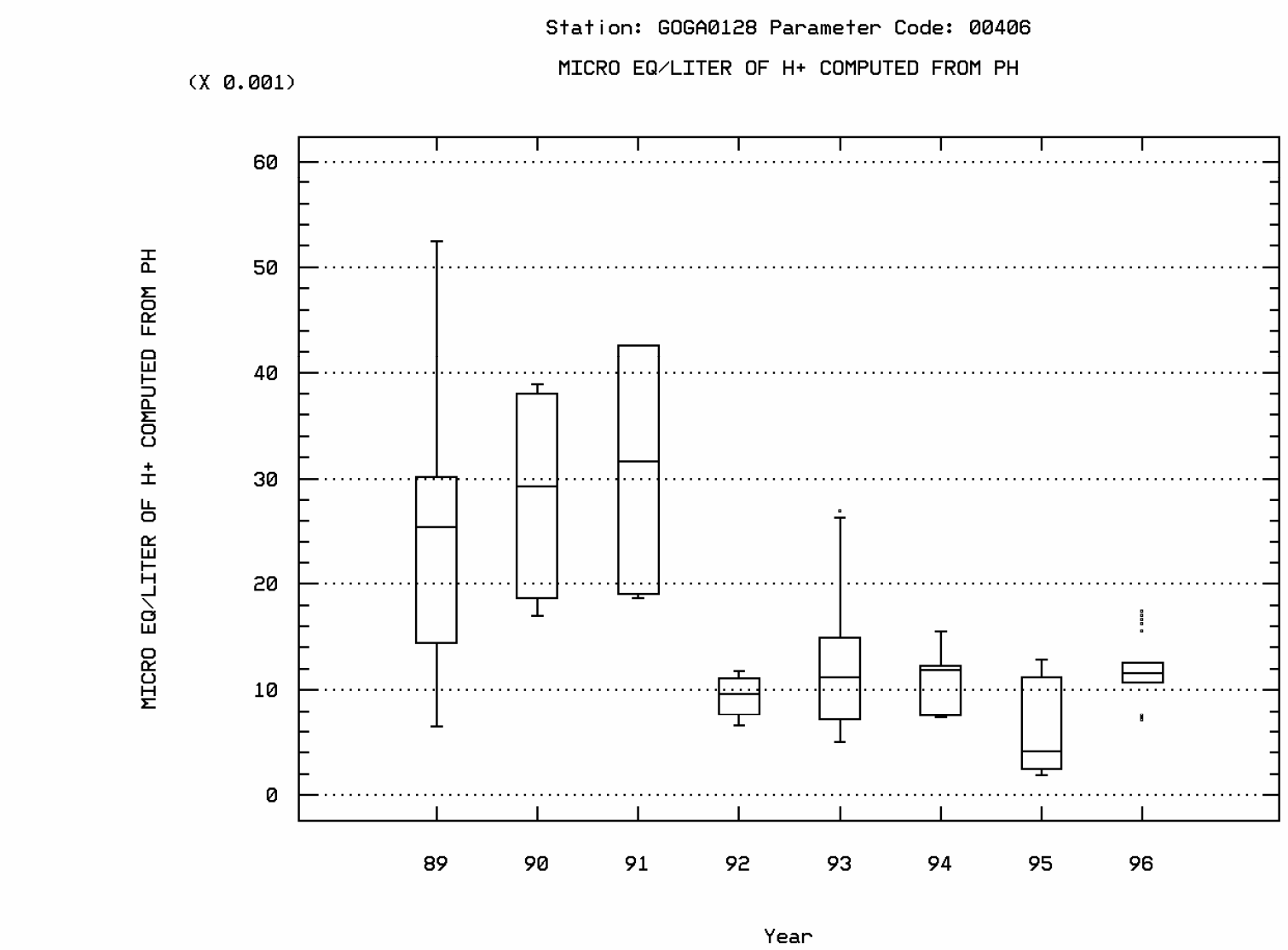
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



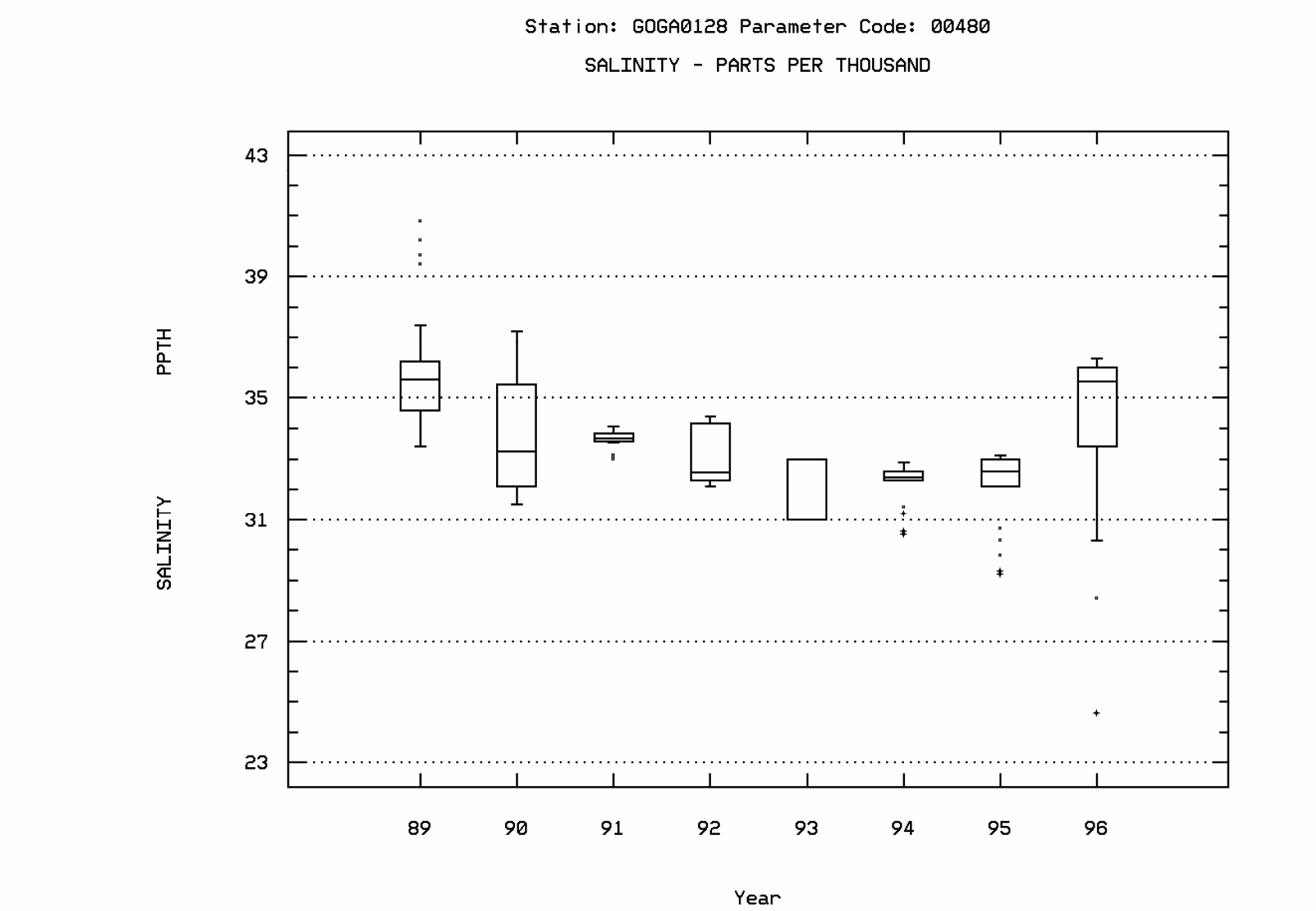
PACIFIC OCEAN IN LINE WITH FULTON STREE



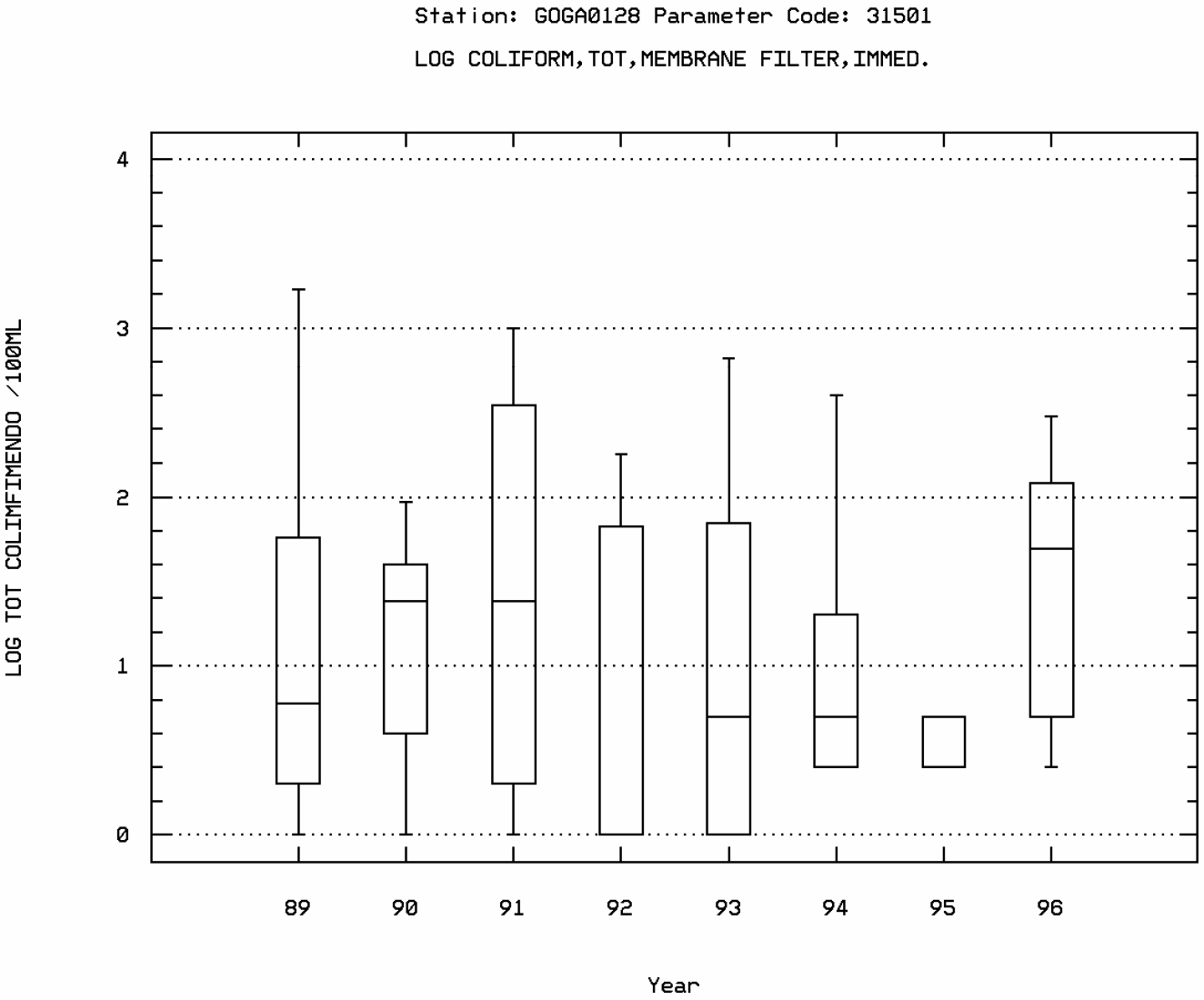
PACIFIC OCEAN IN LINE WITH FULTON STREE



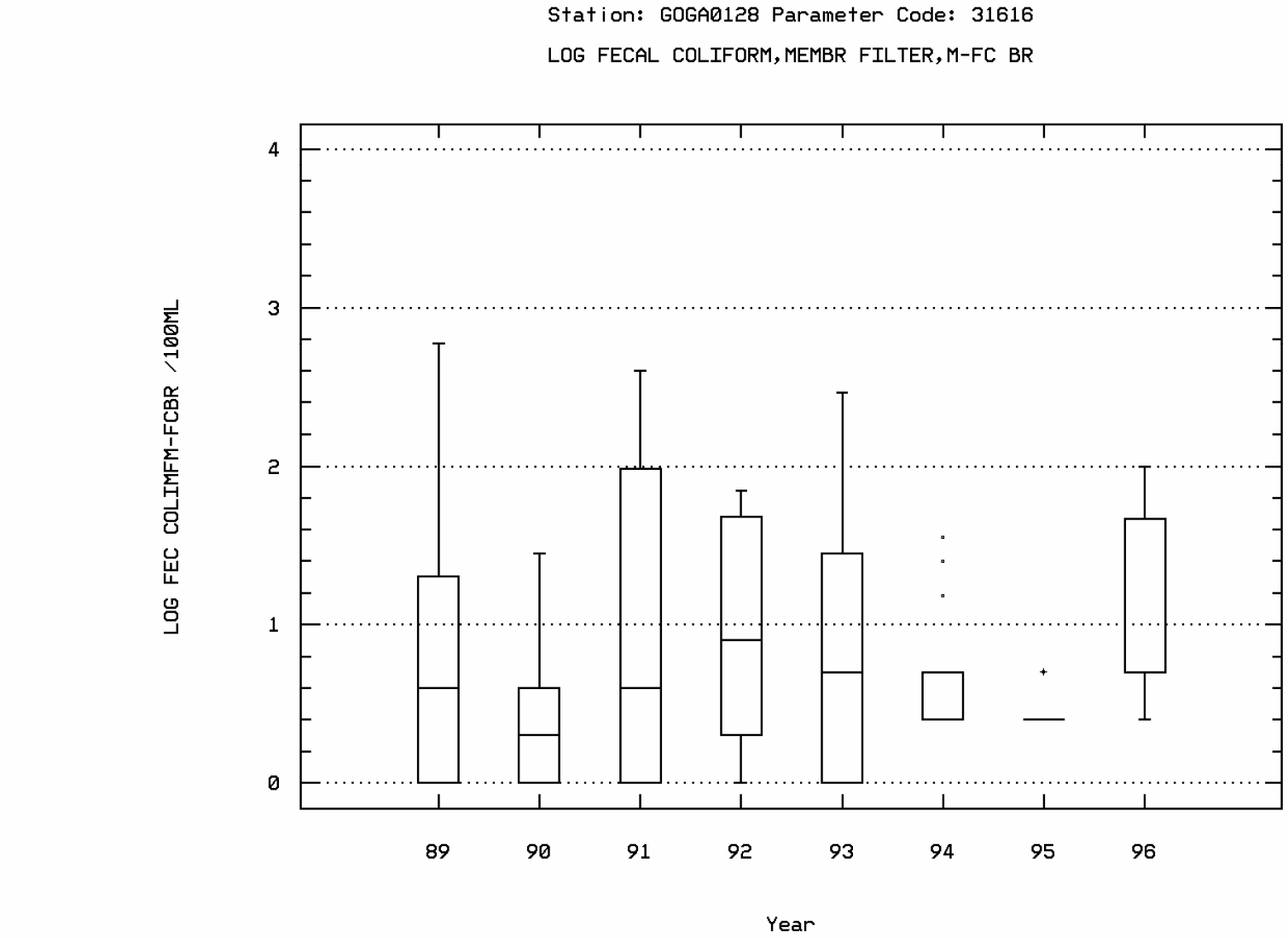
PACIFIC OCEAN IN LINE WITH FULTON STREE



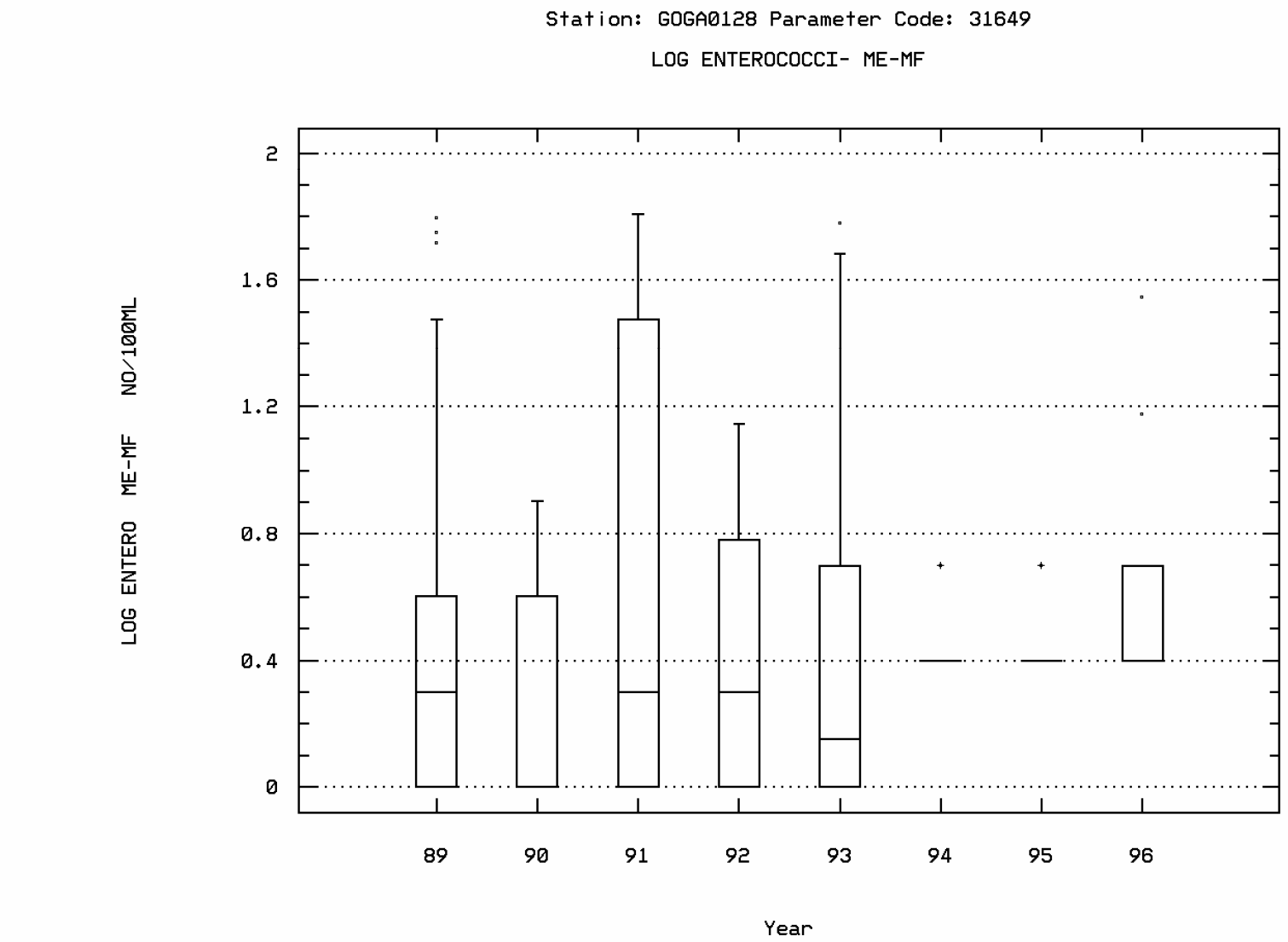
PACIFIC OCEAN IN LINE WITH FULTON STREE



PACIFIC OCEAN IN LINE WITH FULTON STREE



PACIFIC OCEAN IN LINE WITH FULTON STREE



PACIFIC OCEAN IN LINE WITH FULTON STREE

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	100	13.3	13.317	15.3	10.	1.783	1.335	11.5	12.725	14.4	14.97
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	9	2.2	2.433	3.5	1.4	0.632	0.795	1.4	1.8	3.35	3.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	92	52200.	47270.435	55800.	39.95	19978590	2.362	14134.564	40500.	49500.	53700.	54670.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	88	7.	7.683	11.89	3.8	4.889	2.211	5.	6.	9.6	11.
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	100	7.77	7.826	8.72	7.28	0.117	0.343	7.491	7.58	7.928	8.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	100	7.77	7.721	8.72	7.28	0.129	0.359	7.491	7.58	7.927	8.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	100	0.017	0.019	0.052	0.002	0.	0.012	0.005	0.012	0.026	0.032
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	100	34.4	34.319	37.2	31.4	2.09	1.446	32.6	33.	35.6	36.29
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	70	2.5	24.679	400.	1.	3791.565	61.576	1.	1.75	26.25	59.8
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	70	0.398	0.744	2.602	0.	0.493	0.702	0.	0.226	1.419	1.777
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			5.551								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	70 ##	2.5	5.429	35.	1.	59.582	7.719	1.	1.	6.	16.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	70 ##	0.398	0.461	1.544	0.	0.202	0.449	0.	0.	0.778	1.204
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.892								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	70 ##	2.	1.907	6.	1.	1.191	1.091	1.	1.	2.5	3.85
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	70 ##	0.301	0.219	0.778	0.	0.051	0.227	0.	0.	0.398	0.582
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			1.657								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	93	26.1	26.163	28.1	24.3	0.755	0.869	25.124	25.5	26.6	27.56

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	102	12.2	12.504	16.2	10.8	2.037	1.427	10.9	11.5	13.2	14.67
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	11	2.3	2.345	3.4	1.2	0.495	0.703	1.24	1.7	2.9	3.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	102	49500.	42173.95	60600.	39.91	35473522	5.865	18834.416	41.296	47900.	51200.	55920.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	94	7.08	7.314	8.4	6.02	0.414	0.643	6.53	6.908	8.	8.27
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	93	7.93	7.883	8.19	7.41	0.034	0.183	7.68	7.83	7.97	8.12
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	93	7.93	7.839	8.19	7.41	0.036	0.189	7.68	7.83	7.97	8.12
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	93	0.012	0.014	0.039	0.006	0.	0.008	0.008	0.011	0.015	0.021
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	102	33.62	33.98	40.8	31.	5.769	2.402	32.	32.3	35.9	37.18
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	65	15.	90.262	1000.	1.	33821.196	183.905	1.6	5.5	82.	240.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	65	1.176	1.32	3.	0.	0.61	0.781	0.181	0.739	1.914	2.371
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			20.914								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	65	5.	34.862	400.	1.	6025.324	77.623	1.	4.	24.	70.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	65	0.699	0.969	2.602	0.	0.445	0.667	0.	0.602	1.38	1.845
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.3								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	65	5.	8.708	64.	1.	196.093	14.003	1.	2.	8.	22.
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	65	0.699	0.639	1.806	0.	0.228	0.478	0.	0.301	0.903	1.332
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.356								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	86	25.375	25.79	31.	23.9	2.817	1.678	24.4	24.8	25.85	28.03

** - 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: 1/15 to 5/14 - Station GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/03/96	79	12.7	12.139	14.	10.1	1.824	1.351	10.2	10.5	13.2	13.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/14/90-12/03/96	7	1.9	1.929	2.6	1.1	0.256	0.506	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/03/96	79	49900.	44694.663	54400.	29.66	21646746	7.249	14712.85	34950.	47400.	51500.	52700.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/03/96	73	8.	7.828	10.	5.	0.847	0.92	6.804	7.005	8.695	9.
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/03/96	79	7.87	7.825	8.4	7.35	0.118	0.344	7.37	7.49	8.14	8.18
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/03/96	79	7.87	7.702	8.4	7.35	0.133	0.365	7.37	7.49	8.14	8.18
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/03/96	79	0.013	0.02	0.045	0.004	0.	0.014	0.007	0.007	0.032	0.043

** - 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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/03/96	79	32.7	32.708	36.4	24.6	4.168	2.042	30.5	31.	34.1	35.7
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/21/89-12/03/96	55	13.	126.245	1700.	1.	90378.277	300.63	1.	2.5	82.	453.6
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/21/89-12/03/96	55	1.114	1.182	3.23	0.	0.915	0.957	0.	0.398	1.914	2.643
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.221								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55	5.	49.355	600.	1.	10741.071	103.639	1.	2.	50.	162.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/21/89-12/03/96	55	0.699	0.969	2.778	0.	0.656	0.81	0.	0.301	1.699	2.197
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.318								
31649	ENTEROCOCCI- ME-MF N0/100ML	02/21/89-12/03/96	55	2.5	10.209	62.	1.	272.682	16.513	1.	1.	10.	42.
31649	LOG ENTEROCOCCI- ME-MF N0/1	02/21/89-12/03/96	55	0.398	0.6	1.792	0.	0.319	0.565	0.	0.	1.	1.62
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.985								
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/95	72	25.3	25.311	28.	22.42	1.724	1.313	23.6	24.25	26.175	27.25

** - 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

Station Inventory for Station: GOGA0129

NPS Station ID: GOGA0129 LAT/LON: 37.774996/-122.416674 Agency: 1114GBL Date Created: 01/16/79
Location: POINT SAN QUENTIN-SAN FRANCISCO BAY NORTH FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): 0614
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 3.30 On/Off RF1:
RF3 Index: 18050002000201.62 RF3 Mile Point: 1.63 Distance from RF3: 0.54 On/Off RF3:
Description:
DATA FROM NATIONAL PESTICIDES MONITORING PROGRAM "ORGANOCHLORINE RESIDUES IN ESTUARINE MOLLUSCS, 1965-72"
SAMPLE TAKEN FROM POINT SAN QUENTIN SAN FRANCISCO BAY NORTH IF CONTAMINENT WAS TESTED FOR BUT NOT DETECTED,
IT IS STORED AS "K5.0", MEANING "LESS THAN THE DETECTION LIMIT OF 5". IF A TRACE OF THE CONTAMINENT HAS BEEN
DETECTED, IT IS STORED AS "J7.5", MEANING "APPROXIMATELY 7.5", BUT ACTUALLY MEANING "BETWEEN 5 AND 10 PPB".

Parameter Inventory for Station: GOGA0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/70	60	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	01/01/66-05/01/70	50	43.5	44.42	143.	2.5	535.34	23.137	18.1	30.	54.25	65.6
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	49	79.	76.041	149.	2.5	1279.321	35.768	23.	52.5	96.5	130.
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	45	49.	60.856	193.	2.5	1754.939	41.892	21.4	33.5	83.5	112.
81716	DIELDRIN IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-12/01/68	34	11.5	10.824	23.	2.5	48.665	6.976	2.5	2.5	17.	20.

** - Less than 9 observations ## - 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 1966 - Station GOGA0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/70	12	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	01/01/66-05/01/70	12	52.	48.	69.	12.	229.455	15.148	17.4	39.5	56.5	66.
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	12	83.5	76.083	120.	20.	871.902	29.528	25.1	50.25	91.5	117.
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	12	35.5	36.5	98.	12.	530.091	23.024	12.6	20.	44.5	83.3

** - 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 1967 - Station GOGA0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/70	12	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	01/01/66-05/01/70	12	40.5	43.667	100.	23.	401.152	20.029	25.1	30.25	50.25	85.9
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	12	74.5	82.917	130.	50.	812.265	28.5	51.5	60.5	111.25	130.
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	12	56.	59.167	89.	34.	415.424	20.382	34.6	39.75	81.25	88.7

** - 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 1968 - Station GOGA0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/70	12	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	01/01/66-05/01/70	10	43.	43.	59.	25.	102.222	10.111	26.1	37.5	47.75	59.
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	10	95.5	93.1	120.	60.	321.656	17.935	61.8	78.75	110.	119.
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	9	69.	74.	100.	44.	402.5	20.062	44.	57.5	94.5	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 1969 - Station GOGA0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/70	12	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	01/01/66-05/01/70	11	31.	43.909	143.	2.5	1624.641	40.307	2.5	13.	62.	129.2
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	11	54.	66.818	149.	2.5	2865.914	53.534	2.5	23.	134.	147.8
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	9	76.	91.056	193.	2.5	5553.403	74.521	2.5	25.	168.	193.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/70	12	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	01/01/66-05/01/70	5	51.	41.6	66.	18.	476.3	21.824	**	**	**	**
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	4	35.	38.	64.	18.	375.333	19.374	**	**	**	**
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-05/01/70	3	37.	35.	45.	23.	124.	11.136	**	**	**	**

** - 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 Inventory for Station: GOGA0130

NPS Station ID: GOGA0130 LAT/LON: 37.775166/-122.511509 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH IN THE SURF IN LINE WITH BALBOA ST FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_SW18
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE POINT BONITA, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT OCEAN BEACH IN THE SURF IN LINE WITH BALBOA ST. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) SOUTHWEST OCEAN OUTFALL REGIONAL MONITORING PROGRAM AND WERE REPORTED IN THE 1997 AND 1998 ANNUAL REPORTS. THIS PROGRAM REPLACES THE CCSF OCEAN OUTFALL MONITORING PROGRAM AND MONITORS SHORELINE BACTERIOLOGICAL, MARINE SEDIMENT, BENTHIC INFAUNA AND FISH AND EPIBENTHIC INVERTEBRATES. FOR MORE INFORMATION ON THE STUDE, CONTACT CCSF AT TEL. (415) 242-2201. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE PARK AT FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	635	10.	139.243	16000.	5.	1287164.357	1134.533	5.	5.	30.	100.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/97-12/29/99	635	1.	1.202	4.204	0.699	0.344	0.587	0.699	0.699	1.477	2.
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.929								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38 ##	10.	442.105	16000.	5.	6719719.772	2592.242	5.	5.	20.	59.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38 ##	1.	1.148	4.204	0.699	0.442	0.665	0.699	0.699	1.301	1.744
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.051								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	74 ##	5.	21.081	200.	5.	1470.048	38.341	5.	5.	10.	60.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/97-03/28/97	74 ##	0.699	0.996	2.301	0.699	0.197	0.444	0.699	0.699	1.	1.778
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			9.92								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0130

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	635	9	0.01	252	4	0.02	168	2	0.01	215	3	0.01			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	1	0.03				7	1	0.14	31	0	0.00			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	74	12	0.16				14	8	0.57	60	4	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: GOGA0131

NPS Station ID: GOGA0131 LAT/LON: 37.775166/-122.511509 Agency: 11NPSWRD Date Created: 12/31/99
Location: OCEAN BEACH IN THE SURF IN LINE WITH BALBOA ST FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM18
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050006 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE POINT BONITA, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT OCEAN BEACH IN THE SURF IN LINE WITH BALBOA ST. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	1496	30.	330.346	24000.	1.	3651998.85	1911.02	2.5	8.	80.	263.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	1496	1.477	1.461	4.38	0.	0.616	0.785	0.398	0.903	1.903	2.42
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			28.922								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1245	10.	76.061	16000.	1.	427819.174	654.079	2.	4.	24.	62.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1245	1.	1.002	4.204	0.	0.43	0.655	0.301	0.602	1.38	1.792
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.045								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	1241	5.	54.365	20000.	1.	662185.093	813.748	1.	2.	12.	40.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	1241	0.699	0.75	4.301	0.	0.374	0.612	0.	0.301	1.079	1.602
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.622								

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

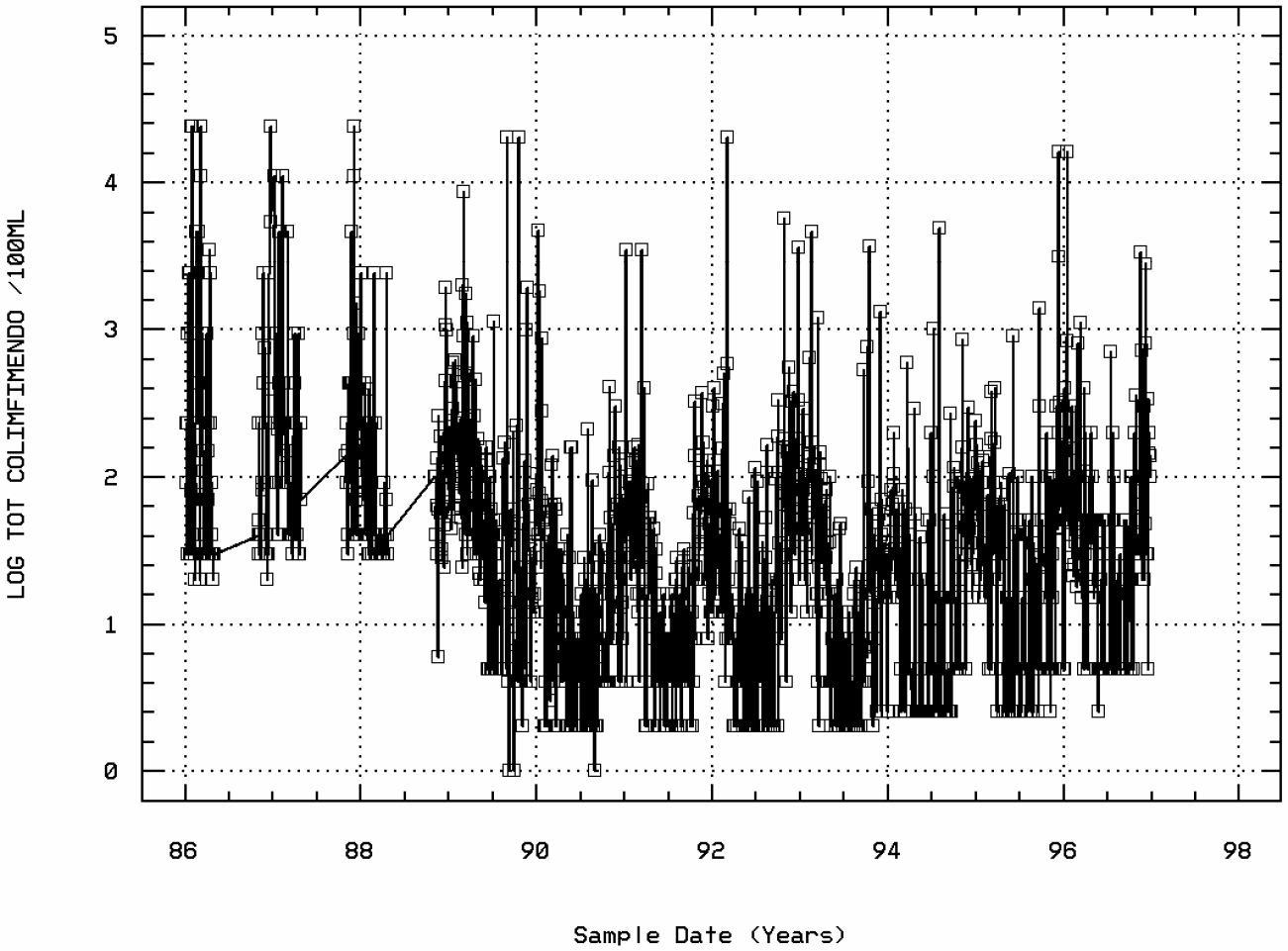
EPA Water Quality Criteria Analysis for Station: GOGA0131

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1496	58	0.04	505	5	0.01	429	26	0.06	562	27	0.05			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1245	41	0.03	505	7	0.01	327	17	0.05	413	17	0.04			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	1239 &	135	0.11	503	22	0.04	322	53	0.16	414	60	0.14			

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

Station: GOGA0131 Parameter Code: 31501

LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



OCEAN BEACH IN THE SURF IN LINE WITH BA

Annual Analysis for 1986 - Station GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	93	90.	1647.419	24000.	20.	24975736.746	4997.573	30.	30.	430.	3060.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	93	1.954	2.231	4.38	1.301	0.694	0.833	1.477	1.477	2.633	3.479
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			170.155								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	77	230.	1201.818	24000.	30.	12134249.282	3483.425	40.	40.	430.	4600.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	77	2.362	2.332	4.38	1.477	0.494	0.703	1.602	1.602	2.633	3.663
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			214.941								

** - 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 1988 - Station GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	75	40.	262.693	2400.	6.	335271.54	579.026	30.	30.	190.	661.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	75	1.602	1.904	3.38	0.778	0.336	0.58	1.477	1.477	2.279	2.786
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			80.126								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	40.	456.615	20000.	1.	5549849.67	2355.812	5.	10.	148.75	486.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.602	1.647	4.301	0.	0.623	0.789	0.699	1.	2.172	2.687
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			44.363								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	10.	69.173	2200.	1.	53357.486	230.992	2.	4.	44.	125.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	1.	1.133	3.342	0.	0.521	0.722	0.301	0.602	1.643	2.097
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.586								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	3.	23.564	430.	1.	3821.538	61.819	1.	1.	12.	56.5
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.452	0.672	2.633	0.	0.51	0.714	0.	0.	1.079	1.752
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.698								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	154	12.	79.558	4700.	1.	168344.954	410.299	2.	4.	40.	106.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	154	1.079	1.129	3.672	0.	0.45	0.671	0.301	0.602	1.602	2.027
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.457								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	6.	48.735	4200.	1.	124049.728	352.207	1.	2.	12.	32.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	0.778	0.758	3.623	0.	0.396	0.629	0.	0.301	1.079	1.505
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.731								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	155	4.	271.232	20000.	1.	5121486.257	2263.07	1.	2.	12.	44.8
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	155	0.602	0.737	4.301	0.	0.515	0.718	0.	0.301	1.079	1.651
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.452								

** - 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

Annual Analysis for 1991 - Station GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	157	16.	82.338	3500.	2.	155164.725	393.91	2.	6.	49.	98.8
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	157	1.204	1.254	3.544	0.301	0.393	0.627	0.301	0.753	1.69	1.994
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			17.967								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	8.	22.357	300.	1.	2229.616	47.219	1.	2.	18.	52.8
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	0.903	0.885	2.477	0.	0.366	0.605	0.	0.301	1.255	1.722
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.677								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	4.	23.724	715.	1.	5351.659	73.155	1.	1.	12.	51.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.602	0.713	2.854	0.	0.445	0.667	0.	0.	1.079	1.706
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.167								

** - 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 1992 - Station GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	16.	247.814	20000.	2.	2830185.236	1682.315	2.	4.	69.25	221.6
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.204	1.3	4.301	0.301	0.602	0.776	0.301	0.602	1.84	2.335
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			19.949								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	10.	128.948	12600.	1.	1070536.426	1034.667	1.	2.	26.	70.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	1.	0.976	4.1	0.	0.524	0.724	0.	0.301	1.415	1.845
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.473								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	6.	53.558	4500.	1.	135443.048	368.026	1.	2.	17.5	60.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.778	0.786	3.653	0.	0.499	0.707	0.	0.301	1.242	1.778
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.112								

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Annual Analysis for 1993 - Station GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	154	16.	111.562	4600.	2.	245560.733	495.541	2.	4.	45.	108.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	154	1.204	1.219	3.663	0.301	0.502	0.709	0.301	0.602	1.653	2.033
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			16.562								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	153	10.	53.183	2600.	1.	56908.67	238.555	2.	4.	22.	56.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	153	1.	0.986	3.415	0.	0.418	0.647	0.301	0.602	1.342	1.746
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.673								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	154	4.	20.104	900.	1.	6985.989	83.582	1.	1.	10.5	26.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	154	0.602	0.649	2.954	0.	0.373	0.61	0.	0.	1.02	1.415
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.459								

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Annual Analysis for 1994 - Station GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	10.	78.696	4900.	2.5	165643.37	406.993	2.5	5.	48.75	96.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.	1.177	3.69	0.398	0.431	0.657	0.398	0.699	1.688	1.984
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.035								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	5.	36.394	2300.	2.5	36578.729	191.256	2.5	2.5	18.75	51.5
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	0.699	0.911	3.362	0.398	0.314	0.561	0.398	0.398	1.27	1.711
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.146								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	153	## 2.5	11.814	295.	2.5	989.986	31.464	2.5	2.5	10.	25.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	153	## 0.398	0.693	2.47	0.398	0.2	0.447	0.398	0.398	1.	1.398

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Annual Analysis for 1994 - Station GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.926								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	158	20.	182.566	16000.	2.5	1683383.048	1297.453	2.5	5.	65.	165.5
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	158	1.301	1.351	4.204	0.398	0.47	0.685	0.398	0.699	1.813	2.219
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			22.451								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	10.	144.712	16000.	2.5	1649965.4	1284.51	2.5	5.	30.	90.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	1.	1.109	4.204	0.398	0.407	0.638	0.398	0.699	1.477	1.954
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.852								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	154	5.	12.857	100.	2.5	397.012	19.925	2.5	2.5	15.	30.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	154	0.699	0.815	2.	0.398	0.211	0.46	0.398	0.398	1.176	1.477
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.538								

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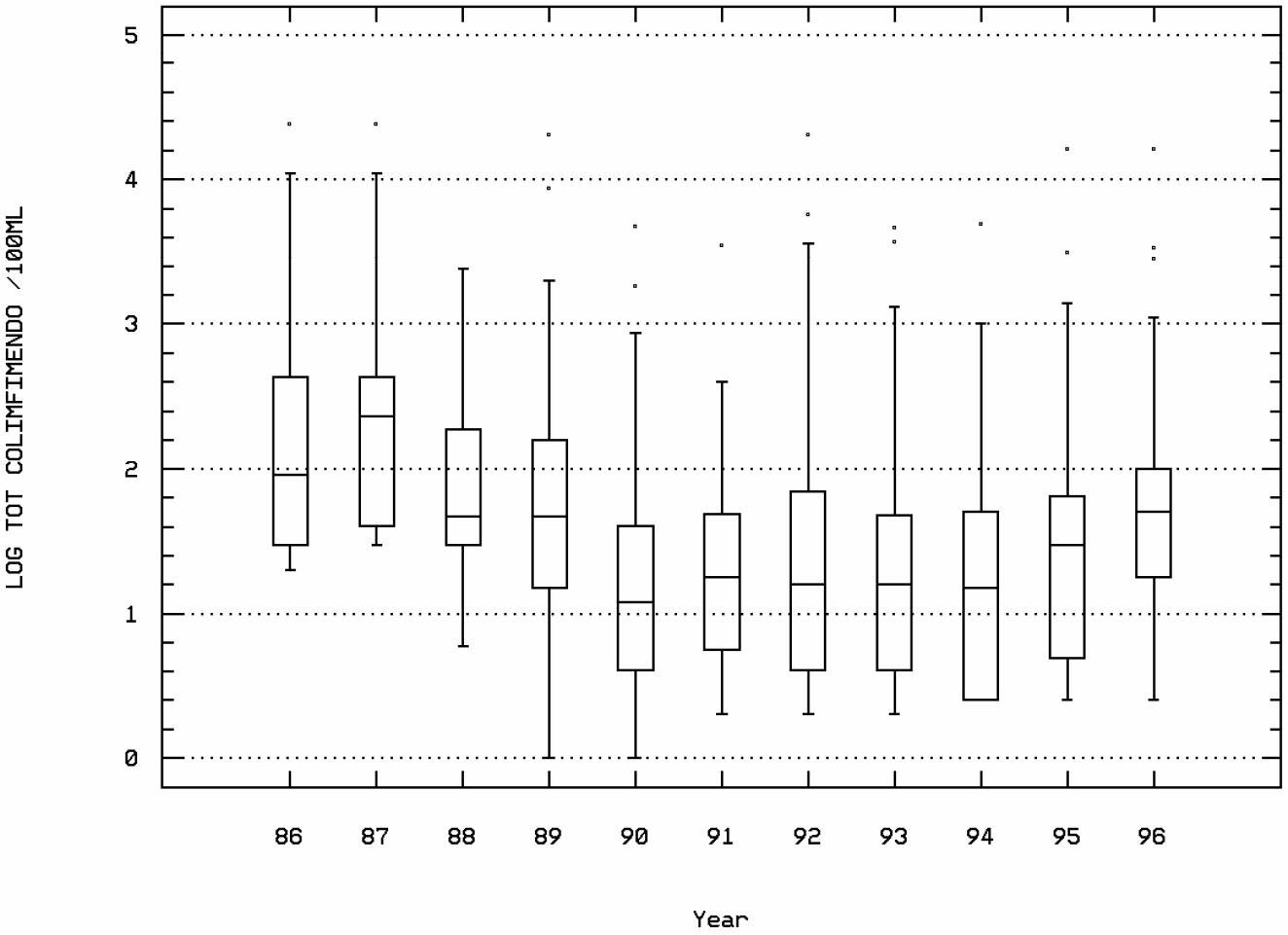
Annual Analysis for 1996 - Station GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	160	30.	221.084	16000.	2.5	1716364.045	1310.101	5.	10.	69.	290.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	160	1.477	1.505	4.204	0.398	0.452	0.672	0.699	1.	1.839	2.46
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			31.967								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	20.	104.873	8000.	2.5	431778.99	657.099	5.	5.	47.5	72.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	1.301	1.254	3.903	0.398	0.335	0.579	0.699	0.699	1.676	1.857
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.961								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	157 ##	5.	17.898	200.	2.5	1209.656	34.78	2.5	5.	10.	40.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	157 ##	0.699	0.931	2.301	0.398	0.195	0.442	0.398	0.699	1.	1.602
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			8.534								

** - Less than 9 observations ## - Computed 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: GOGA0131 Parameter Code: 31501

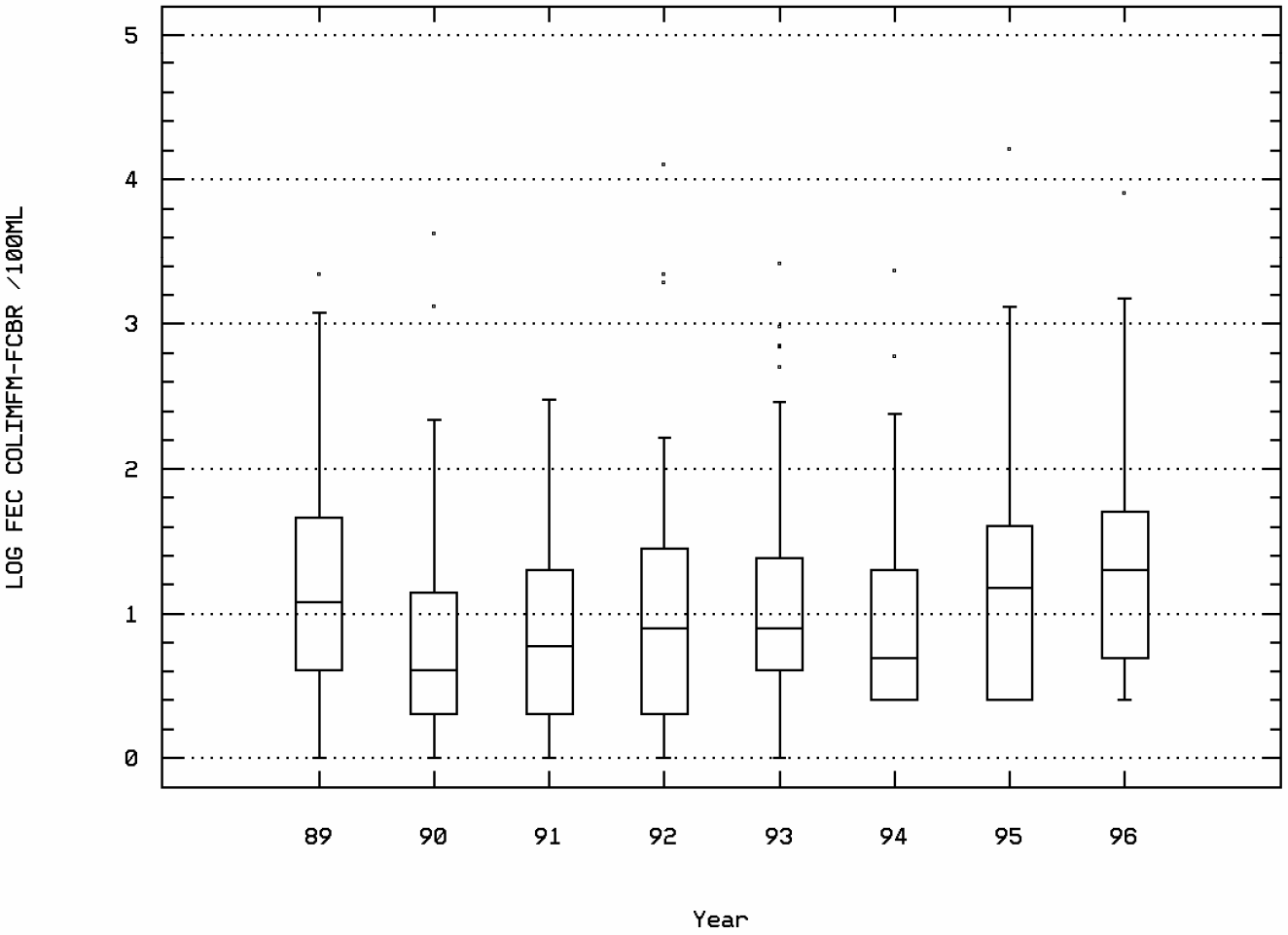
LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



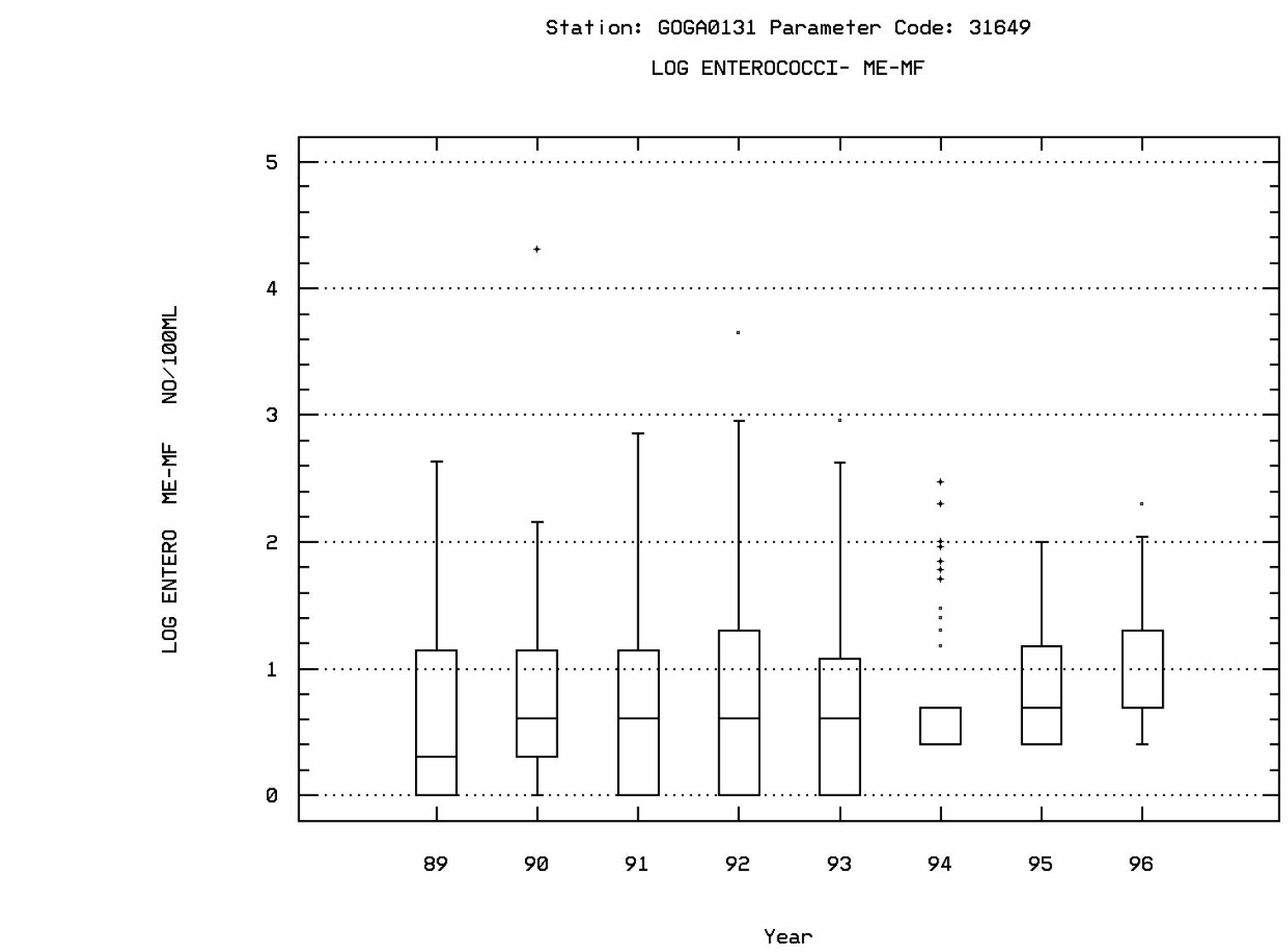
OCEAN BEACH IN THE SURF IN LINE WITH BA

Station: GOGA0131 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



OCEAN BEACH IN THE SURF IN LINE WITH BA



OCEAN BEACH IN THE SURF IN LINE WITH BA

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	505	8.	82.439	20000.	1.	849047.481	921.438	2.	4.	20.	50.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	505	0.903	0.984	4.301	0.	0.36	0.6	0.301	0.602	1.301	1.699
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			9.635								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	505	5.	23.177	2300.	1.	17533.445	132.414	1.	2.	10.	28.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	505	0.699	0.731	3.362	0.	0.3	0.548	0.	0.301	1.	1.447
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.378								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	504 ##		2.5	9.315	430.	1.	946.006	30.757	1.	1.	5.	18.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	504 ##		0.398	0.54	2.633	0.	0.242	0.492	0.	0.	0.699	1.255
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.467								

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	429	50.	482.493	24000.	2.	5085213.542	2255.042	8.	16.	140.	430.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	429	1.699	1.745	4.38	0.301	0.574	0.758	0.903	1.204	2.146	2.633
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			55.536								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	327	14.	127.567	16000.	1.	876721.555	936.334	2.5	5.	40.	111.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	327	1.146	1.213	4.204	0.	0.459	0.678	0.398	0.699	1.602	2.045
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.324								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	323	8.	91.854	20000.	1.	1241320.275	1114.146	2.	2.5	20.	63.6
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	323	0.903	0.955	4.301	0.	0.41	0.64	0.301	0.398	1.301	1.803
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			9.024								

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

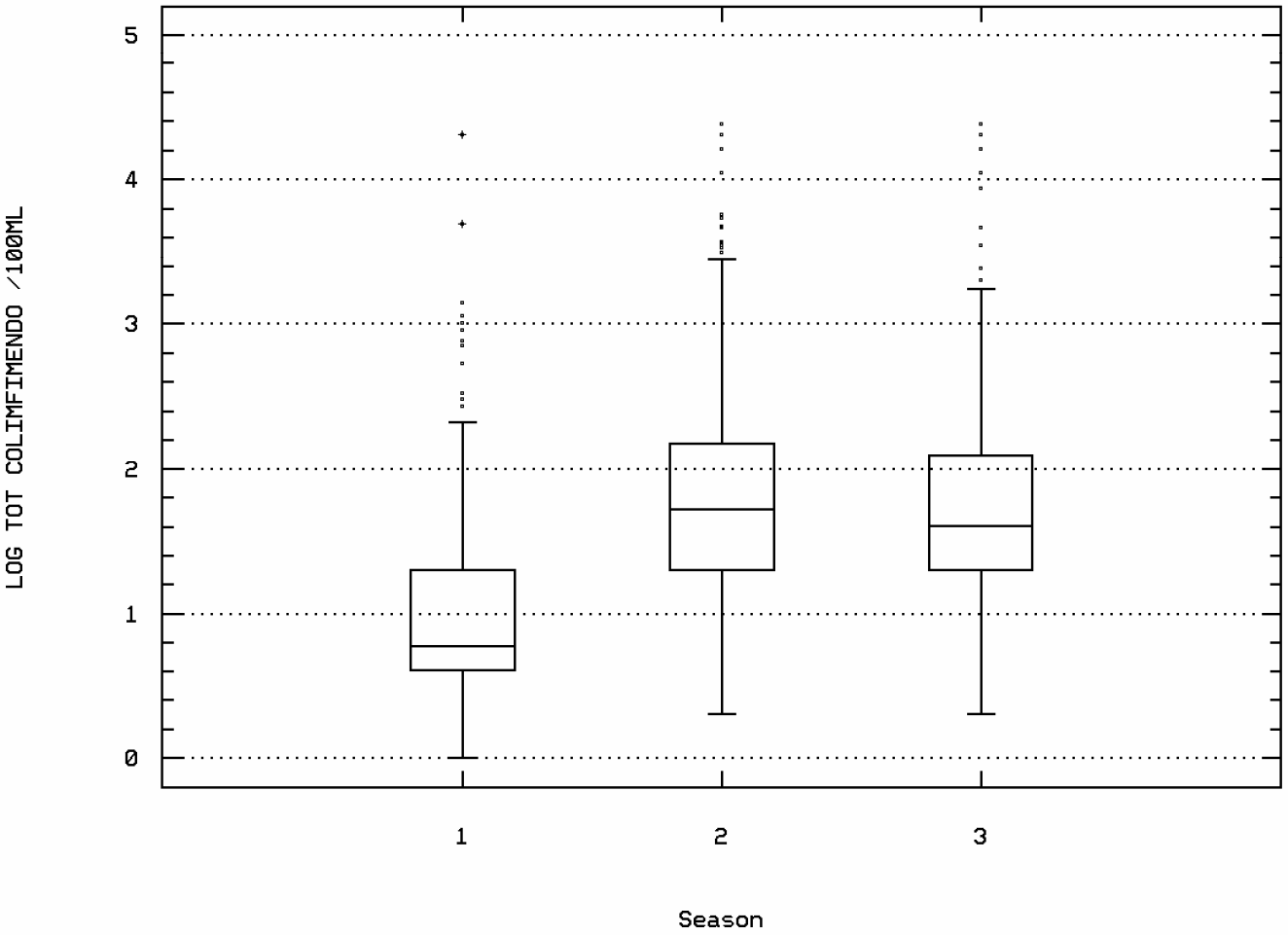
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	562	40.	436.97	24000.	2.	5005330.951	2237.26	5.	16.	110.	430.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	562	1.602	1.674	4.38	0.301	0.568	0.754	0.699	1.204	2.041	2.633
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			47.194								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	413	14.	99.946	12600.	1.	570494.023	755.311	2.5	5.	40.	81.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	413	1.146	1.167	4.1	0.	0.413	0.643	0.398	0.699	1.602	1.91
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.681								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	414	5.	79.958	20000.	1.	1014965.058	1007.455	1.	2.5	20.	50.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	414	0.699	0.845	4.301	0.	0.414	0.644	0.	0.398	1.301	1.699
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			7.001								

** - 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

Station: GOGA0131 Parameter Code: 31501

LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



OCEAN BEACH IN THE SURF IN LINE WITH BA

Station Inventory for Station: GOGA0132

NPS Station ID: GOGA0132
LAT/LON: 37.777502/-122.411124
Agency: 1119ORPF
Date Created: / /
Location: RGN 9
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /AMBNT/ESTURY
STORET Station ID(s): PMN903 /304007504
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: SAN FRANCISCO
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 8.60
On/Off RF1:
RF3 Index: 18050002104300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.11
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
85504	ALPHA COUNT IN MEDIA OTHER THAN WATER (PC/L)	01/07/71-10/07/71	7	0.	0.	0.	0.	0.	0.	**	**	**	**
85505	ALPHA COUNTING ERROR IN MEDIA OTHER THAN WATER	01/07/71-10/07/71	7	0.	0.	0.	0.	0.	0.	**	**	**	**
85506	BETA COUNT IN MEDIA OTHER THAN WATER (PC/L)	01/07/71-10/07/71	7	0.	0.	0.	0.	0.	0.	**	**	**	**
85507	BETA COUNTING ERROR IN MEDIA OTHER THAN WATER	01/07/71-10/07/71	7	0.	0.	0.	0.	0.	0.	**	**	**	**
85508	BARIUM-LANTHANUM IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	121	0.	1.942	9.	0.	9.505	3.083	0.	0.	3.5	8.
85509	BARIUM-LANTHANUM, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	121	0.	0.488	9.	0.	3.919	1.98	0.	0.	0.	0.
85514	CESIUM-137 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	121	3.	3.058	13.	0.	8.072	2.841	0.	0.	5.	7.
85515	CESIUM-137, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	121	0.	0.405	7.	0.	2.693	1.641	0.	0.	0.	0.
85516	IODINE-131 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	121	1.	1.81	9.	0.	5.155	2.271	0.	0.	3.	5.
85517	IODINE-131, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	121	0.	0.405	7.	0.	2.693	1.641	0.	0.	0.	0.
85520	POTASSIUM-40 IN PASTEURIZED MILK (GM/L)	01/02/69-01/10/74	121	1.53	1.526	1.8	1.33	0.008	0.089	1.41	1.46	1.58	1.63
85521	POTASSIUM-40, COUNTING ERROR IN MILK (GM/L)	01/02/69-01/10/74	121	0.	0.007	0.12	0.	0.001	0.028	0.	0.	0.	0.
85526	STRONTIUM-89 IN PASTUERIZED MILK (PC/L)	01/09/69-07/05/73	31	1.	1.774	13.	0.	6.914	2.629	0.	0.	3.	3.8
85527	STRONTIUM-89, COUNTING ERROR IN MILK (PC/L)	01/09/69-07/05/73	31	0.	0.71	5.	0.	1.613	1.27	0.	0.	2.	2.8
85528	STRONTIUM-90 IN PASTUERIZED MILK (PC/L)	01/09/69-07/05/73	31	2.	2.181	8.	0.	4.103	2.026	0.02	0.3	4.	5.
85529	STRONTIUM-90, COUNTING ERROR IN MILK (PC/L)	01/09/69-07/05/73	31	0.	0.419	2.	0.	0.518	0.72	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 time series plot

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

Annual Analysis for 1969 - Station GOGA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
85508	BARIUM-LANTHANUM IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	53	0.	2.264	9.	0.	12.583	3.547	0.	0.	6.	8.6
85509	BARIUM-LANTHANUM, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85514	CESIUM-137 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	53	3.	3.453	13.	0.	8.637	2.939	0.	0.	6.	7.
85515	CESIUM-137, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85516	IODINE-131 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	53	1.	1.906	7.	0.	4.433	2.106	0.	0.	3.	5.
85517	IODINE-131, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85520	POTASSIUM-40 IN PASTEURIZED MILK (GM/L)	01/02/69-01/10/74	53	1.53	1.536	1.8	1.33	0.009	0.097	1.408	1.48	1.595	1.686
85521	POTASSIUM-40, COUNTING ERROR IN MILK (GM/L)	01/02/69-01/10/74	53	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 1970 - Station GOGA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
85508	BARIUM-LANTHANUM IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	31	0.	1.742	9.	0.	8.665	2.944	0.	0.	4.	7.
85509	BARIUM-LANTHANUM, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85514	CESIUM-137 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	31	3.	2.742	10.	0.	7.531	2.744	0.	0.	4.	6.8
85515	CESIUM-137, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85516	IODINE-131 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	31	0.	1.161	6.	0.	2.94	1.715	0.	0.	2.	4.
85517	IODINE-131, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85520	POTASSIUM-40 IN PASTEURIZED MILK (GM/L)	01/02/69-01/10/74	31	1.5	1.495	1.65	1.34	0.005	0.072	1.374	1.45	1.54	1.57
85521	POTASSIUM-40, COUNTING ERROR IN MILK (GM/L)	01/02/69-01/10/74	31	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 1971 - Station GOGA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
85508	BARIUM-LANTHANUM IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	12	0.5	1.667	7.	0.	6.061	2.462	0.	0.	2.75	6.7
85509	BARIUM-LANTHANUM, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85514	CESIUM-137 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	12	4.	4.333	9.	0.	11.879	3.447	0.	1.25	8.	9.
85515	CESIUM-137, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85516	IODINE-131 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	12	1.	1.917	6.	0.	4.992	2.234	0.	0.	3.75	5.7
85517	IODINE-131, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85520	POTASSIUM-40 IN PASTEURIZED MILK (GM/L)	01/02/69-01/10/74	12	1.45	1.473	1.61	1.37	0.005	0.074	1.382	1.42	1.548	1.595
85521	POTASSIUM-40, COUNTING ERROR IN MILK (GM/L)	01/02/69-01/10/74	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 1972 - Station GOGA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
85508	BARIUM-LANTHANUM IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	12	0.	1.5	9.	0.	9.	3.	0.	0.	2.25	8.1
85509	BARIUM-LANTHANUM, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85514	CESIUM-137 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	12	2.	2.	6.	0.	4.182	2.045	0.	0.	3.75	5.4
85515	CESIUM-137, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85516	IODINE-131 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	12	2.	2.75	9.	0.	10.568	3.251	0.	0.	5.25	8.7
85517	IODINE-131, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85520	POTASSIUM-40 IN PASTEURIZED MILK (GM/L)	01/02/69-01/10/74	12	1.575	1.561	1.69	1.39	0.006	0.08	1.42	1.505	1.62	1.672
85521	POTASSIUM-40, COUNTING ERROR IN MILK (GM/L)	01/02/69-01/10/74	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 1973 - Station GOGA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
85508	BARIUM-LANTHANUM IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	12	0.5	1.75	6.	0.	4.568	2.137	0.	0.	3.75	5.4
85509	BARIUM-LANTHANUM, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	12	4.	4.167	9.	0.	19.061	4.366	0.	0.	8.	9.
85514	CESIUM-137 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	12	1.	1.917	6.	0.	5.174	2.275	0.	0.	4.	5.7
85515	CESIUM-137, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	12	3.5	3.5	7.	0.	13.364	3.656	0.	0.	7.	7.
85516	IODINE-131 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	12	0.	2.167	9.	0.	9.061	3.01	0.	0.	4.75	7.8
85517	IODINE-131, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	12	3.5	3.5	7.	0.	13.364	3.656	0.	0.	7.	7.
85520	POTASSIUM-40 IN PASTEURIZED MILK (GM/L)	01/02/69-01/10/74	12	1.59	1.583	1.76	1.44	0.005	0.074	1.461	1.558	1.59	1.718
85521	POTASSIUM-40, COUNTING ERROR IN MILK (GM/L)	01/02/69-01/10/74	12	0.06	0.06	0.12	0.	0.004	0.063	0.	0.	0.12	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 1974 - Station GOGA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
85508	BARIUM-LANTHANUM IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
85509	BARIUM-LANTHANUM, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	1	9.	9.	9.	9.	0.	0.	**	**	**	**
85514	CESIUM-137 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	1	3.	3.	3.	3.	0.	0.	**	**	**	**
85515	CESIUM-137, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	1	7.	7.	7.	7.	0.	0.	**	**	**	**
85516	IODINE-131 IN PASTEURIZED MILK (PC/L)	01/02/69-01/10/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
85517	IODINE-131, COUNTING ERROR IN MILK (PC/L)	01/02/69-01/10/74	1	7.	7.	7.	7.	0.	0.	**	**	**	**
85520	POTASSIUM-40 IN PASTEURIZED MILK (GM/L)	01/02/69-01/10/74	1	1.57	1.57	1.57	1.57	0.	0.	**	**	**	**
85521	POTASSIUM-40, COUNTING ERROR IN MILK (GM/L)	01/02/69-01/10/74	1	0.12	0.12	0.12	0.12	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: GOGA0133

NPS Station ID: GOGA0133 LAT/LON: 37.780558/-122.416676 Agency: 111WS Date Created: 05/12/78
Location: SAN FRANCISCO WATER DEPT. FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 075
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050004 Depth of Water: 999 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 4.10 On/Off RF1:
RF3 Index: 18050006001525.18 RF3 Mile Point: 27.85 Distance from RF3: 0.65 On/Off RF3:
Description:
NATL.ORGANICS RECONNAISSANCE SURVEY OFF.OF RESEARCH & DEVEL.CINN,OHIO SAN ANDREAS TREATMENT PLANT

Parameter Inventory for Station: GOGA0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	03/28/75-03/28/75	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	03/28/75-03/28/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	03/28/75-03/28/75	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	03/28/75-03/28/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	03/28/75-03/28/75	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	03/28/75-03/28/75	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
81280	NONPURGEABLE ORGANIC CARBON MG/L	03/28/75-03/28/75	1	1.3	1.3	1.3	1.3	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: GOGA0133

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	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: GOGA0134

NPS Station ID: GOGA0134
Location: 002S006W01MS01M
Station Type: /TYPA/AMBNT/SPRING
RMI-Indexes:
RMI-Miles:
HUC:
Major Basin:
Minor Basin:
RF1 Index:
RF3 Index: 18050002017400.00
Description:

LAT/LON: 37.787218/-122.480005
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 112WRD

STORET Station ID(s): 374714122284801
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 14.20
Distance from RF3: 0.40

Date Created: 09/30/89

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: GOGA0134

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/06/88-01/08/91	4	17.	16.875	17.	16.5	0.063	0.25	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/06/88-01/08/91	4	546.	558.5	600.	542.	769.	27.731	**	**	**	**
00400	PH (STANDARD UNITS)	12/06/88-01/08/91	4	7.1	7.125	7.5	6.8	0.109	0.33	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/06/88-01/08/91	4	7.055	7.038	7.5	6.8	0.119	0.345	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/06/88-01/08/91	4	0.088	0.092	0.158	0.032	0.004	0.06	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/06/88-04/05/90	3	7.4	7.467	7.7	7.3	0.043	0.208	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/06/88-04/05/90	3	7.4	7.436	7.7	7.3	0.045	0.211	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/06/88-04/05/90	3	0.04	0.037	0.05	0.02	0.	0.015	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/06/88-04/05/90	3	176.	171.333	179.	159.	116.333	10.786	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/06/88-01/08/91	4 ##	0.013	0.018	0.04	0.005	0.	0.017	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/06/88-01/08/91	4	0.045	0.04	0.05	0.02	0.	0.014	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/06/88-01/08/91	3	5.5	5.333	6.5	4.	1.583	1.258	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/08/91-01/08/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/88-04/05/90	3	25.	25.333	26.	25.	0.333	0.577	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/88-04/05/90	3	37.	37.333	39.	36.	2.333	1.528	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/06/88-04/05/90	3	34.	33.667	35.	32.	2.333	1.528	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/06/88-04/05/90	3	3.	3.167	3.6	2.9	0.143	0.379	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/06/88-04/05/90	3	37.	34.333	37.	29.	21.333	4.619	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/06/88-04/05/90	3	47.	43.667	51.	33.	89.333	9.452	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/06/88-04/05/90	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/06/88-04/05/90	3	17.	21.	29.	17.	48.	6.928	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/08/91-01/08/91	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	04/05/90-04/05/90	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/05/90-04/05/90	1	29.	29.	29.	29.	0.	0.	**	**	**	**
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	04/05/90-04/05/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
07012	TRITIUM IN WATERMOLECULES (TRITIUM UNITS)	04/05/90-04/05/90	1	13.6	13.6	13.6	13.6	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/08/91-01/08/91	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/06/88-04/05/90	3	332.	331.333	333.	329.	4.333	2.082	**	**	**	**
71870	BROMIDE (MG/L AS BR)	12/06/88-04/05/90	3	0.26	0.257	0.28	0.23	0.001	0.025	**	**	**	**
82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	05/15/89-05/15/89	1	-56.	-56.	-56.	-56.	0.	0.	**	**	**	**
82084	NITROGEN-15/NITROGEN-14 STABLE ISOTOPE RATIO/MIL	04/05/90-04/05/90	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	05/15/89-05/15/89	1	-7.4	-7.4	-7.4	-7.4	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: GOGA0134

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	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			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00				2	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
07000	TRITIUM, TOTAL	Drinking Water	20000.	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: GOGA0135

NPS Station ID: GOGA0135 LAT/LON: 37.787192/-122.477645 Agency: 11NPSWRD Date Created: 12/31/99
Location: LOBOS CREEK-SPECIFIC LOCATION UNKNOWN FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_CCSF_LCU5
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT AN UNSPECIFIED LOCATION IN LOBOS CREEK. THIS SITE IS ONE OF A GROUP OF STATIONS MONITORED AT LOBOS CREEK BY THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) AS A PRELIMINARY INVESTIGATION TO IDENTIFY THE SOURCE OF HIGH COLIFORM COUNTS APPEARING DOWNSTREAM AT CCSF SHORELINE STATIONS. LOBOS CREEK DATA ARE REPORTED IN THE CCSF OCEAN OUTFALL MONITORING PROGRAM ANNUAL REPORTS FOR 1993-1996. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525, TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/30/93-11/30/93	1	800.	800.	800.	800.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/30/93-11/30/93	1	2.903	2.903	2.903	2.903	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			800.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	1	248.	248.	248.	248.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	1	2.394	2.394	2.394	2.394	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			248.								
31649	ENTEROCOCCI- ME-MF N0/100ML	11/30/93-11/30/93	1	70.	70.	70.	70.	0.	0.	**	**	**	**
31649	LOG ENTEROCOCCI- ME-MF N0/1	11/30/93-11/30/93	1	1.845	1.845	1.845	1.845	0.	0.	**	**	**	**
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			70.								

** - Less than 9 observations ## - 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: GOGA0135

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	0	0.00				1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	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: GOGA0136

NPS Station ID: GOGA0136 LAT/LON: 37.787089/-122.476492 Agency: 11NPSWRD Date Created: 12/31/99
Location: LOBOS CREEK NEAR 18TH AVENUE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_CCSF_LCU4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN LOBOS CREEK NEAR 18TH AVENUE. THIS STATION IS ONE OF A GROUP OF STATIONS MONITORED AT LOBOS CREEK BY THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) AS A PRELIMINARY INVESTIGATION TO IDENTIFY THE SOURCE OF HIGH COLIFORM COUNTS APPEARING DOWNSTREAM AT CCSF SHORELINE STATIONS. LOBOS CREEK DATA ARE REPORTED IN THE CCSF OCEAN OUTFALL MONITORING PROGRAM ANNUAL REPORTS FOR 1993-1996. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525, TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/30/93-11/30/93	1	2100.	2100.	2100.	2100.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/30/93-11/30/93	1	3.322	3.322	3.322	3.322	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2100.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	1	3.041	3.041	3.041	3.041	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1100.								
31649	ENTEROCOCCI- ME-MF N0/100ML	11/30/93-11/30/93	1	700.	700.	700.	700.	0.	0.	**	**	**	**
31649	LOG ENTEROCOCCI- ME-MF N0/1	11/30/93-11/30/93	1	2.845	2.845	2.845	2.845	0.	0.	**	**	**	**
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			700.								

** - Less than 9 observations ## - 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: GOGA0136

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	1	1.00				1	1	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	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: GOGA0137

NPS Station ID: GOGA0137 | LAT/LON: 37.787192/-122.477645 | Agency: 11NPSWRD | Date Created: 06/12/99
Location: LOBOS CREEK | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_COE_LOBOS
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT LOBOS CREEK (EXACT SAMPLING COORDINATES UNKNOWN) AND IS INSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. DATA ARE FROM A REPORT BY MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. ASSUMPTIONS HAVE BEEN MADE ABOUT SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NRA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	04/27/06-09/25/06	4	337.5	323.75	450.	170.	13422.917	115.857	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/27/06-04/27/06	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/27/06-04/27/06	1	205.	205.	205.	205.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	04/27/06-09/25/06	4	0.175	0.143	0.2	0.02	0.007	0.083	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	09/11/06-09/25/06	3	59.	57.333	82.	31.	652.333	25.541	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/11/06-09/25/06	3	75.	70.	82.	53.	229.	15.133	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/27/06-09/25/06	4	50.	50.	51.	49.	0.667	0.816	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	04/27/06-09/25/06	4	5787.5	5011.25	7470.	1000.	7835339.583	2799.168	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	04/27/06-09/25/06	4	3.762	3.599	3.873	3.	0.163	0.403	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			3974.728								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	04/27/06-09/25/06	4	0.305	0.313	0.54	0.1	0.046	0.215	**	**	**	**
71840	OXYGEN CONSUMED, UNFILTERED MG/L	09/11/06-09/25/06	3	2.4	2.467	2.8	2.2	0.093	0.306	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/27/06-09/25/06	4	2.45	1.975	3.	0.	1.843	1.357	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0137

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	250.	4	0	0.00	3	0	0.00				1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: GOGA0138

NPS Station ID: GOGA0138 LAT/LON: 37.787555/-122.480923 Agency: 11NPSWRD Date Created: 07/11/98
Location: LOBOS CREEK 700 FEET UPSTREAM OF LINCOLN BLVD FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB95_LC5
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LOBOS CREEK APPROXIMATELY 700 FEET UPSTREAM OF LINCOLN BOULEVARD AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. MEASUREMENTS OF BASIC WATER QUALITY CHARACTERISTICS WERE MADE IN THE FIELD; AND CHEMICAL WATER QUALITY ANALYSES IN THE LAB. ELEMENTAL ANALYSES WERE PERFORMED ON 29 JUNE 1995 AND 30 OCTOBER 1995. THE RESULTS ARE IN THE FINAL REPORT "LOBOS CREEK MONITORING REPORT JUNE 1995-NOVEMBER 1995" BY C.M. CODEMO; A. MILLER; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY- UNIVERSITY OF SAN FRANCISCO; MAY 1996). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/95-11/10/95	10	28.05	28.77	33.3	25.4	6.891	2.625	25.46	26.6	30.5	33.23
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/95-11/10/95	10	27.5	27.76	30.7	24.1	4.032	2.008	24.32	26.45	29.65	30.67
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/95-09/29/95	5	3.	3.2	4.	2.	0.7	0.837	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/95-11/10/95	10	500.	500.	500.	500.	0.	0.	500.	500.	500.	500.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/95-11/10/95	10	9.7	9.77	12.7	7.3	4.358	2.088	7.31	7.775	11.775	12.69
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/06/95-11/10/95	10	63.	65.7	86.	50.	154.456	12.428	50.5	55.	76.75	85.6
00406	PH, FIELD, STANDARD UNITS SU	07/06/95-11/10/95	10	7.6	7.63	7.8	7.4	0.02	0.142	7.41	7.5	7.8	7.8
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/06/95-11/10/95	10	7.6	7.609	7.8	7.4	0.021	0.143	7.41	7.5	7.8	7.8
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/95-11/10/95	10	0.025	0.025	0.04	0.016	0.	0.008	0.016	0.016	0.032	0.039
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/95-11/10/95	10	176.5	173.3	181.	158.	55.344	7.439	158.8	166.	178.25	180.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/95-11/10/95	10	3.	3.9	11.	0.5	11.378	3.373	0.5	0.875	5.75	10.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/95-11/10/95	10 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/95-11/10/95	10	6.965	6.936	7.98	5.9	0.414	0.643	5.94	6.458	7.35	7.962
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/06/95-11/10/95	10	0.02	0.035	0.1	0.007	0.001	0.031	0.007	0.017	0.05	0.098
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/95-10/30/95	2	231.5	231.5	242.	221.	220.5	14.849	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/95-10/30/95	2	28.55	28.55	29.9	27.2	3.645	1.909	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/95-10/30/95	2	38.75	38.75	40.6	36.9	6.845	2.616	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/95-10/30/95	2	34.4	34.4	35.7	33.1	3.38	1.838	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/95-10/30/95	2	1.605	1.605	1.9	1.31	0.174	0.417	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/95-11/10/95	10	46.	46.2	53.	42.	9.067	3.011	42.1	44.5	47.25	52.5
00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/95-11/10/95	10	56.5	56.7	68.	49.	28.456	5.334	49.3	52.75	59.25	67.2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/29/95-10/30/95	2	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 time series plot

Parameter Inventory for Station: GOGA0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/29/95-10/30/95	2	6.	6.	11.	1.	50.	7.071	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/29/95-10/30/95	2	132.	132.	168.	96.	2592.	50.912	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/29/95-10/30/95	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/29/95-10/30/95	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/95-10/30/95	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/29/95-10/30/95	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/95-10/30/95	2	27.	27.	48.	6.	882.	29.698	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/29/95-10/30/95	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	06/29/95-10/30/95	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/29/95-10/30/95	2	166.	166.	173.	159.	98.	9.899	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/29/95-10/30/95	2	8.5	8.5	10.	7.	4.5	2.121	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/29/95-10/30/95	2	84.	84.	107.	61.	1058.	32.527	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	06/29/95-10/30/95	2	13050.	13050.	13100.	13000.	5000.	70.711	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/29/95-10/30/95	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	2	1250.	1250.	1600.	900.	245000.	494.975	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	2	3.079	3.079	3.204	2.954	0.031	0.177	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1200.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	2	126.5	126.5	240.	13.	25764.5	160.513	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	2	1.747	1.747	2.38	1.114	0.802	0.895	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			55.857								
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/29/95-10/30/95	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/06/95-11/10/95	10	1.45	2.06	4.8	0.7	2.003	1.415	0.72	1.05	3.125	4.73

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EPA Water Quality Criteria Analysis for Station: GOGA0138

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	10	0	0.00	7	0	0.00	3	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	10	0	0.00	7	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	10	0	0.00	7	0	0.00	3	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	7	0	0.00	3	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	7	0	0.00	3	0	0.00						
		Drinking Water	250.	10	0	0.00	7	0	0.00	3	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	7	0	0.00	3	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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	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						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00	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						
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						
01065	NICKEL, DISSOLVED	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	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						
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	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						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	1	0.50	1	0	0.00	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: GOGA0138

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	1	0.50	1	0	0.00	1	1	1.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	10	0	0.00	7	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: GOGA0139

NPS Station ID: GOGA0139
LAT/LON: 37.787504/-122.482616
Agency: 11NPSWRD
Date Created: 04/10/99
Location: LOBOS CREEK CONTROL
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GOGA_ORION_LCC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS LOCATED AT LOBOS CREEK AT THE 22ND AVENUE OVERCROSSING AND IS WITHIN THE BOUNDARIES OF GOLDEN GATE NATIONAL RECREATION AREA. DATA WERE COLLECTED BY ORION ENVIRONMENTAL ASSOCIATES AND CITY OF SAN FRANCISCO PERSONNEL TO MONITOR THE WATER QUALITY OF LOBOS CREEK DURING CONSTRUCTION OF A 10200-FOOT-LONG WASTEWATER TUNNEL. RESULTS ARE PRESENTED IN THE "RICHMOND TRANSPORT FACILITIES CONSTRUCTION PROJECT; ENVIRONMENTAL COMPLIANCE MONITORING SUMMARY REPORT; FINAL REPORT; JANUARY 1994 - DECEMBER 1996;" PREPARED BY ORION ENVIRONMENTAL ASSOCIATES FOR THE CITY AND COUNTY OF SAN FRANCISCO; DEPARTMENT OF PUBLIC WORKS; MARCH 1997. A "J" WAS USED TO INDICATE SUSPECT VALUES THOUGH VALUES ARE A RESULT OF ANALYTICAL MEASUREMENT. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/94-12/30/96	80	609.5	606.75	805.	478.	2628.949	51.273	530.3	592.25	634.5	658.
00400	PH (STANDARD UNITS)	03/14/94-12/30/96	79	7.28	7.268	7.92	6.4	0.078	0.28	6.94	7.09	7.47	7.59
00400	CONVERTED PH (STANDARD UNITS)	03/14/94-12/30/96	79	7.28	7.17	7.92	6.4	0.088	0.297	6.94	7.09	7.47	7.59
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/94-12/30/96	79	0.052	0.068	0.398	0.012	0.003	0.057	0.026	0.034	0.081	0.115
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/94-12/30/96	80	187.5	186.6	220.	100.	197.813	14.065	174.3	182.5	192.	197.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/94-12/30/96	80	264.	266.65	320.	208.	553.648	23.53	238.2	250.	283.	303.6
00916	CALCIUM, TOTAL (MG/L AS CA)	03/14/94-04/04/96	73	29.3	29.205	32.3	24.5	2.257	1.502	27.3	28.25	30.2	31.02
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/14/94-04/04/96	73	39.3	38.663	43.9	23.8	10.174	3.19	36.34	37.7	40.45	41.56
00929	SODIUM, TOTAL (MG/L AS NA)	03/14/94-04/04/96	73	35.1	34.823	43.9	24.8	7.115	2.667	31.68	34.1	35.9	37.28
00937	POTASSIUM, TOTAL MG/L AS K)	03/14/94-04/04/96	73	2.4	2.592	5.5	1.1	0.535	0.732	2.	2.25	2.7	3.36
00940	CHLORIDE,TOTAL IN WATER MG/L	03/14/94-12/30/96	80	48.	48.338	80.	10.	82.935	9.107	40.2	46.	51.5	56.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/14/94-12/30/96	80	41.5	43.163	127.	20.	245.961	15.683	28.1	35.	48.	54.
00951	FLUORIDE, TOTAL (MG/L AS F)	03/14/94-12/30/96	80	0.04	0.06	0.4	0.005	0.006	0.074	0.01	0.03	0.05	0.128
01002	ARSENIC, TOTAL (UG/L AS AS)	03/14/94-12/30/96	82 ##	6.	5.39	6.	1.	2.71	1.646	1.	6.	6.	6.
01007	BARIUM, TOTAL (UG/L AS BA)	03/14/94-12/30/96	82	11.	12.695	101.	8.	104.313	10.213	10.	11.	12.	14.
01027	CADMIUM, TOTAL (UG/L AS CD)	03/14/94-12/30/96	82 ##	0.5	0.748	6.	0.05	0.797	0.893	0.095	0.5	0.5	2.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/14/94-12/30/96	82 ##	0.5	1.038	7.	0.15	1.636	1.279	0.5	0.5	1.5	2.
01042	COPPER, TOTAL (UG/L AS CU)	03/14/94-12/30/96	82 ##	1.5	3.244	113.	1.	152.329	12.342	1.5	1.5	1.5	3.7
01045	IRON, TOTAL (UG/L AS FE)	03/14/94-12/30/96	82	72.5	135.555	1256.	0.5	34228.	185.008	22.9	49.75	144.25	312.9

** - 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

Parameter Inventory for Station: GOGA0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	03/14/94-12/30/96	82 ##	5.	4.479	5.	0.5	2.002	1.415	0.9	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/94-12/30/96	81	40.1	62.837	329.2	2.3	4117.736	64.17	13.96	23.05	79.95	154.96
01067	NICKEL, TOTAL (UG/L AS NI)	01/10/96-12/30/96	16 ##	2.7	2.344	4.6	0.75	2.067	1.438	0.75	0.75	3.55	3.865
01077	SILVER, TOTAL (UG/L AS AG)	03/14/94-12/30/96	82 ##	1.5	1.439	3.5	0.8	0.106	0.326	0.8	1.5	1.5	1.5
01092	ZINC, TOTAL (UG/L AS ZN)	03/14/94-12/30/96	82 ##	1.5	45.171	3374.	0.5	138524.748	372.189	0.5	0.5	7.	9.
01147	SELENIUM, TOTAL (UG/L AS SE)	03/14/94-12/30/96	82 ##	1.	1.109	3.	0.1	0.241	0.491	1.	1.	1.	1.
01288	FOAMING AGENTS MG/L	03/21/94-12/30/96	82 ##	0.025	0.027	0.1	0.025	0.	0.012	0.025	0.025	0.025	0.025
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	47 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.002	0.013	0.131	0.001	0.001	0.031	0.001	0.001	0.005	0.051
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.027	0.223	0.744	0.002	0.077	0.277	0.002	0.012	0.522	0.661
32104	BROMOFORM,WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.001	0.002	0.012	0.001	0.	0.003	0.001	0.001	0.001	0.007
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	40 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32106	CHLOROFORM,WHOLE WATER,UG/L	12/05/94-11/26/97	19 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34301	CHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	48 ##	0.001	0.004	0.047	0.001	0.	0.009	0.001	0.001	0.003	0.008
34311	CHLOROETHANE TOTWUG/L	02/23/95-11/26/97	46 ##	0.07	0.07	0.07	0.07	0.	0.	0.07	0.07	0.07	0.07
34371	ETHYLBENZENE TOTWUG/L	12/05/94-11/26/97	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34391	HEXACHLOROBUTADIENE TOTWUG/L	12/05/94-11/26/97	43 ##	0.	0.023	0.172	0.	0.002	0.041	0.	0.	0.051	0.082
34396	HEXACHLOROETHANE TOTWUG/L	12/05/94-11/26/97	48 ##	0.002	0.002	0.002	0.002	0.	0.	0.002	0.002	0.002	0.002
34413	METHYL BROMIDE TOTWUG/L	02/23/95-11/26/97	46 ##	0.101	0.101	0.101	0.101	0.	0.	0.101	0.101	0.101	0.101
34418	METHYL CHLORIDE TOTWUG/L	02/23/95-11/26/97	46 ##	0.198	0.197	0.198	0.198	0.	0.	0.198	0.198	0.198	0.198
34423	METHYLENE CHLORIDE TOTWUG/L	02/23/95-11/26/97	44 ##	0.035	0.101	0.481	0.035	0.02	0.141	0.035	0.035	0.035	0.399
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	02/23/95-11/26/97	46 ##	0.062	0.066	0.261	0.062	0.001	0.029	0.062	0.062	0.062	0.062
34496	1,1-DICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	48 ##	0.001	0.005	0.098	0.001	0.	0.019	0.001	0.001	0.001	0.001
34501	1,1-DICHLOROETHYLENE TOTWUG/L	12/05/94-11/26/97	48 ##	0.032	0.032	0.032	0.032	0.	0.	0.032	0.032	0.032	0.032
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	48	0.012	0.026	0.17	0.004	0.001	0.037	0.005	0.008	0.025	0.07
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	48 ##	0.002	0.004	0.04	0.002	0.	0.007	0.002	0.002	0.002	0.014
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	12/05/94-11/26/97	48 ##	0.058	0.064	0.217	0.058	0.001	0.032	0.058	0.058	0.058	0.058
34536	1,2-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	47 ##	0.	0.008	0.144	0.	0.001	0.026	0.	0.	0.	0.022
34541	1,2-DICHLOROPROPANE TOTWUG/L	12/05/94-11/26/97	48 ##	0.003	0.003	0.017	0.003	0.	0.002	0.003	0.003	0.003	0.003
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	12/05/94-11/26/97	48 ##	0.002	0.004	0.08	0.002	0.	0.011	0.002	0.002	0.002	0.005
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	47 ##	0.001	0.058	1.452	0.001	0.071	0.266	0.001	0.001	0.001	0.016
34566	1,3-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	48 ##	0.	0.008	0.183	0.	0.001	0.037	0.	0.	0.	0.
34571	1,4-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	48 ##	0.	0.009	0.204	0.	0.002	0.041	0.	0.	0.	0.
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	12/05/94-11/26/97	48 ##	0.122	0.13	0.523	0.122	0.003	0.058	0.122	0.122	0.122	0.122
34668	DICHLORODIFUOROMETHANE TOTWUG/L	02/23/95-11/26/97	46 ##	0.092	0.092	0.092	0.092	0.	0.	0.092	0.092	0.092	0.092
34696	NAPHTHALENE TOTWUG/L	12/05/94-11/26/97	45 ##	0.	0.077	1.013	0.	0.038	0.195	0.	0.	0.039	0.381
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	12/05/94-11/26/97	48 ##	0.001	0.002	0.023	0.001	0.	0.004	0.001	0.001	0.001	0.003
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	12/05/94-11/26/97	48 ##	0.001	0.005	0.027	0.001	0.	0.006	0.001	0.001	0.007	0.013
38680	CHLOROTOLUENE,2-, TOTAL, WATER UG/L	12/05/94-11/26/97	48 ##	0.	0.007	0.132	0.	0.001	0.026	0.	0.	0.	0.01
38760	DBCP WATER, TOTUG/L	12/05/94-11/26/97	48 ##	0.003	0.004	0.049	0.003	0.	0.007	0.003	0.003	0.003	0.003
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	02/23/95-11/26/97	46 ##	0.086	0.086	0.086	0.086	0.	0.	0.086	0.086	0.086	0.086
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	12/05/94-11/26/97	48	0.064	0.07	0.187	0.	0.001	0.03	0.042	0.057	0.08	0.089
61057	PERCHLOROETHYLENE,TOT,WATER UG/L	12/05/94-11/26/97	48	0.45	0.481	0.906	0.266	0.026	0.162	0.316	0.334	0.562	0.75
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	12/05/94-11/26/97	48	0.018	0.024	0.075	0.005	0.	0.019	0.006	0.008	0.035	0.059
61290	BENZENE, TOTAL WATER UG/L	12/05/94-11/26/97	48	0.034	0.032	0.075	0.	0.	0.022	0.005	0.009	0.049	0.057
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/14/94-12/30/96	79	380.	397.696	820.	85.	29621.727	172.11	160.	260.	540.	640.
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/14/94-12/30/96	82	5.2	5.015	10.4	1.5	2.626	1.62	2.09	4.2	5.8	6.97
71900	MERCURY, TOTAL (UG/L AS HG)	03/14/94-12/30/96	81 ##	0.15	0.172	1.3	0.015	0.023	0.153	0.15	0.15	0.15	0.15
73570	2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER TOTWUG/L	12/05/94-11/26/97	48 ##	0.006	0.006	0.006	0.006	0.	0.	0.006	0.006	0.006	0.006
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.024	0.03	0.146	0.002	0.001	0.026	0.015	0.02	0.032	0.04
77128	STYRENE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.	0.01	0.16	0.	0.001	0.032	0.	0.	0.007	0.016
77135	O-XYLENE WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.009	0.017	0.095	0.	0.	0.021	0.003	0.005	0.022	0.047
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.	0.003	0.083	0.	0.	0.012	0.	0.	0.001	0.009
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.002	0.008	0.152	0.002	0.001	0.025	0.002	0.002	0.002	0.004
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.002	0.002	0.014	0.002	0.	0.002	0.002	0.002	0.002	0.002
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.009	0.024	0.156	0.	0.002	0.039	0.	0.	0.028	0.06
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.008	0.015	0.117	0.	0.001	0.023	0.001	0.004	0.015	0.029
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.	0.011	0.129	0.	0.001	0.033	0.	0.	0.002	0.023
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.006	0.016	0.164	0.002	0.001	0.032	0.002	0.002	0.019	0.027
77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.	0.008	0.154	0.	0.001	0.03	0.	0.	0.	0.012
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.002	0.002	0.002	0.002	0.	0.	0.002	0.002	0.002	0.002
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	47 ##	0.	0.033	0.36	0.	0.005	0.068	0.	0.	0.035	0.104
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.004	0.021	0.147	0.	0.002	0.039	0.	0.	0.023	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

Parameter Inventory for Station: GOGA0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.004	0.015	0.169	0.001	0.001	0.035	0.001	0.001	0.011	0.045
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.014	0.037	0.234	0.	0.004	0.06	0.	0.005	0.029	0.167
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.002	0.003	0.014	0.002	0.	0.002	0.002	0.002	0.002	0.002
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.003	0.008	0.146	0.003	0.	0.021	0.003	0.003	0.006	0.012
77596	METHYLENE BROMIDE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.	0.	0.003	0.	0.	0.	0.	0.	0.	0.
77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.	0.008	0.318	0.	0.002	0.046	0.	0.	0.	0.
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.003	0.003	0.003	0.003	0.	0.	0.003	0.003	0.003	0.003
77923	1-CHLOROBUTANE IN WATER UG/L	12/05/94-11/26/97	48 ##	0.	0.005	0.077	0.	0.	0.016	0.	0.	0.002	0.007
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	12/05/94-11/26/97	21 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
81555	BROMOBENZENE WHL WATER SMPL UG/L	12/05/94-11/26/97	48 ##	0.	0.001	0.01	0.	0.	0.001	0.	0.	0.	0.
81597	METHYL METHACRYLATE WHL WATER SMPL UG/L	12/05/94-11/26/97	48 ##	0.004	0.048	0.775	0.004	0.022	0.147	0.004	0.004	0.004	0.143
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/21/94-12/30/96	77	0.5	1.311	21.	0.025	9.413	3.068	0.2	0.3	1.	2.54

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0139

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	79	0	0.00	40	0	0.00	10	0	0.00	29	0	0.00			
		Other-Lo Lim.	6.5	79	1	0.01	40	0	0.00	10	1	0.10	29	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	80	0	0.00	40	0	0.00	11	0	0.00	29	0	0.00			
		Drinking Water	250.	80	0	0.00	40	0	0.00	11	0	0.00	29	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	80	0	0.00	40	0	0.00	11	0	0.00	29	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	80	0	0.00	40	0	0.00	11	0	0.00	29	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
		Drinking Water	50.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	82	2	0.02	40	2	0.05	10	0	0.00	32	0	0.00			
		Drinking Water	5.	82	1	0.01	40	1	0.03	10	0	0.00	32	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	82	1	0.01	40	0	0.00	10	0	0.00	32	1	0.03			
		Drinking Water	1300.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
		Drinking Water	15.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
		Drinking Water	100.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
		Drinking Water	100.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	82	1	0.01	40	0	0.00	10	0	0.00	32	1	0.03			
		Drinking Water	5000.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
		Drinking Water	50.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	47	0	0.00	16	0	0.00	14	0	0.00	17	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
		Drinking Water	5.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
		Drinking Water	5.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	40	0	0.00	12	0	0.00	12	0	0.00	16	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	19	0	0.00	5	0	0.00	7	0	0.00	7	0	0.00			
		Drinking Water	100.	19	0	0.00	5	0	0.00	7	0	0.00	7	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	17	0	0.00	5	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	700.	17	0	0.00	5	0	0.00	7	0	0.00	5	0	0.00			
34391	HEXACHLOROBUTADIENE, TOTAL	Fresh Acute	90.	43	0	0.00	13	0	0.00	14	0	0.00	16	0	0.00			
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	44	0	0.00	14	0	0.00	12	0	0.00	18	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	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: GOGA0139

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	47	0	0.00	16	0	0.00	13	0	0.00	18	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	47	0	0.00	15	0	0.00	14	0	0.00	18	0	0.00			
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	45	0	0.00	13	0	0.00	14	0	0.00	18	0	0.00			
38760	DBCP, WATER, TOTAL	Drinking Water	0.2	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	46	0	0.00	16	0	0.00	12	0	0.00	18	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
		Drinking Water	5.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	82	0	0.00	38	0	0.00	12	0	0.00	32	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	81	0	0.00	40	0	0.00	10	0	0.00	31	0	0.00			
		Drinking Water	2.	81	0	0.00	40	0	0.00	10	0	0.00	31	0	0.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
77128	STYRENE, WHOLE WATER	Drinking Water	100.	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	48	0	0.00	16	0	0.00	14	0	0.00	18	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	77	0	0.00	40	0	0.00	11	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 Inventory for Station: GOGA0140

NPS Station ID: GOGA0140 | LAT/LON: 37.787498/-122.482229 | Agency: 112WRD | Date Created: 09/30/89
Location: LOBOS C CA | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 374715122285601
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: | Depth of Water: 0 | Aquifer:
Major Basin: | Elevation: 0 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: | RF1 Mile Point: 0.000 | Distance from RF1: 5.70 | On/Off RF1:
RF3 Index: 18050002000200.50 | RF3 Mile Point: 1.27 | Distance from RF3: 0.33 | On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/08/88-05/15/89	2	16.75	16.75	17.	16.5	0.125	0.354	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/15/89-05/15/89	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/08/88-05/15/89	2	612.	612.	617.	607.	50.	7.071	**	**	**	**
00400	PH (STANDARD UNITS)	12/08/88-05/15/89	2	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/08/88-05/15/89	2	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/08/88-05/15/89	2	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/08/88-05/15/89	2	7.8	7.8	7.9	7.7	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/08/88-05/15/89	2	7.789	7.789	7.9	7.7	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/08/88-05/15/89	2	0.016	0.016	0.02	0.013	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/08/88-05/15/89	2	190.	190.	190.	190.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/08/88-05/15/89	2	0.045	0.045	0.05	0.04	0.	0.007	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/08/88-05/15/89	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/08/88-05/15/89	2	6.25	6.25	6.6	5.9	0.245	0.495	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/08/88-05/15/89	2	29.5	29.5	30.	29.	0.5	0.707	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/08/88-05/15/89	2	41.5	41.5	42.	41.	0.5	0.707	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/08/88-05/15/89	2	38.5	38.5	39.	38.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/08/88-05/15/89	2	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/08/88-05/15/89	2	44.	44.	44.	44.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/88-05/15/89	2	49.5	49.5	51.	48.	4.5	2.121	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/08/88-05/15/89	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/08/88-05/15/89	2	25.	25.	25.	25.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/08/88-05/15/89	2	362.5	362.5	375.	350.	312.5	17.678	**	**	**	**
71870	BROMIDE (MG/L AS BR)	12/08/88-05/15/89	2	0.265	0.265	0.27	0.26	0.	0.007	**	**	**	**
82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	05/15/89-05/15/89	1	-54.	-54.	-54.	-54.	0.	0.	**	**	**	**
82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	05/15/89-05/15/89	1	-7.3	-7.3	-7.3	-7.3	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: GOGA0140

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	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						
00403	PH, LAB	Fresh Chronic	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: GOGA0140

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 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	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	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: GOGA0141

NPS Station ID: GOGA0141 | LAT/LON: 37.787471/-122.481393 | Agency: 11NPSWRD | Date Created: 12/31/99
Location: LOBOS CREEK NEAR NORTH SPRING | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_CCSF_LCU6
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN LOBOS CREEK NEAR A SPRING THAT EMERGES NORTH OF THE CREEK. THIS SITE IS ONE OF A GROUP OF STATIONS MONITORED AT LOBOS CREEK BY THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) AS A PRELIMINARY INVESTIGATION TO IDENTIFY THE SOURCE OF HIGH COLIFORM COUNTS APPEARING DOWNSTREAM AT CCSF SHORELINE STATIONS. LOBOS CREEK DATA ARE REPORTED IN THE CCSF OCEAN OUTFALL MONITORING PROGRAM ANNUAL REPORTS FOR 1993-1996. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525, TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/14/93-12/14/93	1	280.	280.	280.	280.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	12/14/93-12/14/93	1	2.447	2.447	2.447	2.447	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			280.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	1	200.	200.	200.	200.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	1	2.301	2.301	2.301	2.301	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			200.								
31649	ENTEROCOCCI- ME-MF N0/100ML	12/14/93-12/14/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
31649	LOG ENTEROCOCCI- ME-MF N0/1	12/14/93-12/14/93	1	1.301	1.301	1.301	1.301	0.	0.	**	**	**	**
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			20.								

** - Less than 9 observations ## - 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: GOGA0141

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	0	0.00				1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	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: GOGA0142

NPS Station ID: GOGA0142 LAT/LON: 37.787504/-122.482616 Agency: 11NPSWRD Date Created: 07/11/98
Location: LOBOS CREEK AT THE 22ND AVENUE OVERCROSSING FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_SA_LCC
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE; A CONTROL POINT FOR THE STUDY; IS AT LOBOS CREEK AT THE 22ND AVENUE OVERCROSSING AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. THE BACTERIOLOGICAL RESULTS ARE REPORTED IN APPENDIX C OF "LOBOS CREEK SEWER FAILURE DAMAGE ASSESSMENT REPORT" BY JUDY BENDIX; MIKE PODLECH; DAVID SUDDJIAN; AND MICHAEL WOOD WITH SYCAMORE ASSOCIATES LLC (PREPARED FOR THE CITY OF SAN FRANCISCO AND GOLDEN GATE NATIONAL RECREATION AREA; OCTOBER 1996). APPENDIX C IS ENTITLED "WATER QUALITY DATA SAMPLED FOR THE RICHMOND TRANSPORT FACILITIES". FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0142

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/06/95-03/28/96	27	1800.	2875.259	16000.	100.	16553298.199	4068.574	184.	384.	2800.	9080.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/06/95-03/28/96	27	3.255	3.099	4.204	2.	0.366	0.605	2.257	2.584	3.447	3.94
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1255.327								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10/06/95-03/28/96	25	200.	466.4	1800.	10.	285274.	534.11	32.	50.	750.	1480.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	10/06/95-03/28/96	25	2.301	2.301	3.255	1.	0.424	0.651	1.482	1.699	2.866	3.169
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			200.083								
31648	E. COLI - MTEC-MF N0/100ML	11/08/95-03/28/96	19	120.	181.053	800.	10.	36798.83	191.83	10.	40.	280.	400.
31648	LOG E. COLI - MTEC-MF N0/1	11/08/95-03/28/96	19	2.079	2.009	2.903	1.	0.283	0.532	1.	1.602	2.447	2.602
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			102.182								
31649	ENTEROCOCCI- ME-MF N0/100ML	10/06/95-03/28/96	26	60.	81.731	320.	5.	6405.885	80.037	10.	20.	105.	217.
31649	LOG ENTEROCOCCI- ME-MF N0/1	10/06/95-03/28/96	26	1.778	1.706	2.505	0.699	0.218	0.466	1.	1.301	2.02	2.329
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			50.869								

** - Less than 9 observations ## - 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: GOGA0142

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	27	16	0.59	1	1	1.00	15	9	0.60	11	6	0.55			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	25	15	0.60	1	0	0.00	13	10	0.77	11	5	0.45			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	19	9	0.47				9	5	0.56	10	4	0.40			
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	26	19	0.73	1	1	1.00	14	12	0.86	11	6	0.55			

& - 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: GOGA0143

NPS Station ID: GOGA0143 LAT/LON: 37.787522/-122.481650 Agency: 11NPSWRD Date Created: 07/11/98
Location: LOBOS CREEK 500 FEET UPSTREAM OF LINCOLN BLVD FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB95_LC4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LOBOS CREEK APPROXIMATELY 500 FEET UPSTREAM OF LINCOLN BOULEVARD AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. MEASUREMENTS OF BASIC WATER QUALITY CHARACTERISTICS WERE MADE IN THE FIELD; AND CHEMICAL WATER QUALITY ANALYSES IN THE LAB. ELEMENTAL ANALYSES WERE PERFORMED ON 29 JUNE 1995 AND 30 OCTOBER 1995. THE RESULTS ARE IN THE FINAL REORT "LOBOS CREEK MONITORING REPORT JUNE 1995-NOVEMBER 1995" BY C.M. CODEMO; A. MILLER; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY- UNIVERSITY OF SAN FRANCISCO; MAY 1996). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0143

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/95-11/10/95	10	29.65	29.5	33.3	24.7	7.218	2.687	24.91	27.55	31.375	33.25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/95-11/10/95	10	27.25	27.58	30.1	25.9	2.575	1.605	25.91	26.075	28.95	30.06
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/95-11/10/95	10	2.	2.4	4.	2.	0.489	0.699	2.	2.	3.	3.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/95-11/10/95	10	500.	494.5	510.	450.	358.056	18.922	452.5	486.25	510.	510.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/95-11/10/95	10	9.6	9.44	12.3	7.2	3.236	1.799	7.24	7.6	10.825	12.22
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/06/95-11/10/95	10	64.5	65.2	92.	52.	153.511	12.39	52.2	54.75	71.5	90.4
00406	PH, FIELD, STANDARD UNITS SU	07/06/95-11/10/95	10	7.65	7.68	8.1	7.2	0.071	0.266	7.23	7.5	7.925	8.09
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/06/95-11/10/95	10	7.647	7.607	8.1	7.2	0.077	0.277	7.23	7.5	7.925	8.09
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/95-11/10/95	10	0.023	0.025	0.063	0.008	0.	0.016	0.008	0.012	0.032	0.06
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/95-11/10/95	10	168.5	169.8	178.	159.	31.956	5.653	159.7	167.5	174.25	178.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/95-11/10/95	10	1.5	2.25	6.	0.5	3.903	1.976	0.5	0.5	3.5	5.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/95-11/10/95	10 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/95-11/10/95	10	7.14	6.991	8.2	5.46	0.731	0.855	5.524	6.325	7.643	8.157
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/06/95-11/10/95	10	0.02	0.027	0.09	0.005	0.001	0.026	0.005	0.01	0.043	0.086
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/95-10/30/95	2	230.5	230.5	241.	220.	220.5	14.849	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/95-10/30/95	2	28.5	28.5	29.8	27.2	3.38	1.838	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/95-10/30/95	2	38.55	38.55	40.3	36.8	6.125	2.475	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/95-10/30/95	2	34.2	34.2	35.6	32.8	3.92	1.98	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/95-10/30/95	2	1.725	1.725	1.78	1.67	0.006	0.078	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/95-11/10/95	10	46.5	45.8	49.	40.	7.511	2.741	40.3	43.75	48.	48.9
00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/95-11/10/95	10	57.5	58.5	69.	55.	15.833	3.979	55.1	56.	59.25	68.1
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/29/95-10/30/95	2 ##	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

Parameter Inventory for Station: GOGA0143

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/29/95-10/30/95	2	11.	11.	11.	11.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/29/95-10/30/95	2	129.5	129.5	166.	93.	2664.5	51.619	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/29/95-10/30/95	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/29/95-10/30/95	2 ##	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/95-10/30/95	2	7.5	7.5	12.	3.	40.5	6.364	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/29/95-10/30/95	2	3.5	3.5	6.	1.	12.5	3.536	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/95-10/30/95	2	25.5	25.5	46.	5.	840.5	28.991	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/29/95-10/30/95	2	9.	9.	13.	5.	32.	5.657	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/29/95-10/30/95	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	06/29/95-10/30/95	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/29/95-10/30/95	2	165.5	165.5	172.	159.	84.5	9.192	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/29/95-10/30/95	2	6.5	6.5	10.	3.	24.5	4.95	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/29/95-10/30/95	2	77.5	77.5	91.	64.	364.5	19.092	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	06/29/95-10/30/95	2	13000.	13000.	13000.	13000.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/29/95-10/30/95	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/03/95-10/30/95	2	1250.	1250.	1600.	900.	245000.	494.975	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/03/95-10/30/95	2	3.079	3.079	3.204	2.954	0.031	0.177	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1200.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/03/95-10/30/95	2	80.	80.	130.	30.	5000.	70.711	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/03/95-10/30/95	2	1.796	1.796	2.114	1.477	0.203	0.45	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			62.45								
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/29/95-10/30/95	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/06/95-11/10/95	10	1.7	2.51	5.7	0.8	2.87	1.694	0.82	1.225	4.275	5.58

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0143

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	10	0	0.00	7	0	0.00	3	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	10	0	0.00	7	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	10	0	0.00	7	0	0.00	3	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	7	0	0.00	3	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	7	0	0.00	3	0	0.00						
		Drinking Water	250.	10	0	0.00	7	0	0.00	3	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	7	0	0.00	3	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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	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						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00	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						
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						
01065	NICKEL, DISSOLVED	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	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						
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	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						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	1	0.50	1	1	1.00	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: GOGA0143

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00	1	0	0.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	10	0	0.00	7	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: GOGA0144

NPS Station ID: GOGA0144 | LAT/LON: 37.787382/-122.480004 | Agency: 11NPSWRD | Date Created: 12/31/99
Location: LOBOS CREEK NEAR SOUTH SPRING | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_CCSF_LCU7
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN LOBOS CREEK NEAR A SPRING THAT EMERGES SOUTH OF THE CREEK. THIS SITE IS ONE OF A GROUP OF STATIONS MONITORED AT LOBOS CREEK BY THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) AS A PRELIMINARY INVESTIGATION TO IDENTIFY THE SOURCE OF HIGH COLIFORM COUNTS APPEARING DOWNSTREAM AT CCSF SHORELINE STATIONS. LOBOS CREEK DATA ARE REPORTED IN THE CCSF OCEAN OUTFALL MONITORING PROGRAM ANNUAL REPORTS FOR 1993-1996. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525, TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/14/93-12/14/93	1	5900.	5900.	5900.	5900.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	12/14/93-12/14/93	1	3.771	3.771	3.771	3.771	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			5900.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	1	5000.	5000.	5000.	5000.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	1	3.699	3.699	3.699	3.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5000.								
31649	ENTEROCOCCI- ME-MF N0/100ML	12/14/93-12/14/93	1	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31649	LOG ENTEROCOCCI- ME-MF N0/1	12/14/93-12/14/93	1	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2400.								

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EPA Water Quality Criteria Analysis for Station: GOGA0144

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	1	1.00				1	1	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	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: GOGA0145

NPS Station ID: GOGA0145 LAT/LON: 37.787504/-122.482616 Agency: 11NPSWRD Date Created: 12/31/99
Location: LOBOS CREEK UPSTREAM OF LINCOLN BLVD FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_CCSF_LC1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN LOBOS CREEK UPSTREAM OF LINCOLN BLVD. THIS STATION IS ONE OF A GROUP OF STATIONS MONITORED AT LOBOS CREEK BY THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) AS A PRELIMINARY INVESTIGATION TO IDENTIFY THE SOURCE OF HIGH COLIFORM COUNTS APPEARING DOWNSTREAM AT CCSF SHORELINE STATIONS. LOBOS CREEK DATA ARE REPORTED IN THE CCSF OCEAN OUTFALL MONITORING PROGRAM ANNUAL REPORTS FOR 1993-1996. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525, TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/04/96-12/30/96	44	560.	771.364	3520.	60.	559960.702	748.305	120.	321.	1000.	1300.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	04/04/96-12/30/96	44	2.748	2.723	3.547	1.778	0.159	0.399	2.073	2.506	3.	3.113
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			528.417								

** - Less than 9 observations ## - 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: GOGA0145

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	44	12	0.27	25	7	0.28	12	5	0.42	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

Station Inventory for Station: GOGA0146

NPS Station ID: GOGA0146
LAT/LON: 37.787774/-122.481398
Agency: 112WRD
Date Created: 09/30/89
Location: 002S006W02JS01M
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 374716122285301
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 4.60
On/Off RF1:
RF3 Index: 18050002000200.50
RF3 Mile Point: 1.35
Distance from RF3: 0.24
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/06/88-01/08/91	4	16.75	16.75	17.	16.5	0.083	0.289	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/06/88-01/08/91	4	588.	597.	629.	583.	460.667	21.463	**	**	**	**
00400	PH (STANDARD UNITS)	12/06/88-01/08/91	4	6.95	7.025	7.3	6.9	0.036	0.189	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/06/88-01/08/91	4	6.947	6.998	7.3	6.9	0.037	0.192	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/06/88-01/08/91	4	0.113	0.1	0.126	0.05	0.001	0.036	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/06/88-04/05/90	3	7.2	7.367	7.7	7.2	0.083	0.289	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/06/88-04/05/90	3	7.2	7.312	7.7	7.2	0.088	0.296	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/06/88-04/05/90	3	0.063	0.049	0.063	0.02	0.001	0.025	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/06/88-04/05/90	3	200.	203.667	221.	190.	250.333	15.822	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/06/88-01/08/91	4	0.18	0.195	0.3	0.12	0.006	0.077	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/06/88-01/08/91	4 ##	0.018	0.025	0.06	0.005	0.001	0.026	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/06/88-01/08/91	4 ##	0.525	1.825	6.2	0.05	8.708	2.951	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/08/91-01/08/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/88-04/05/90	3	28.	27.333	28.	26.	1.333	1.155	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/88-04/05/90	3	44.	43.	45.	40.	7.	2.646	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/06/88-04/05/90	3	34.	33.333	34.	32.	1.333	1.155	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/06/88-04/05/90	3	2.6	3.4	5.	2.6	1.92	1.386	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/06/88-04/05/90	3	46.	44.333	47.	40.	14.333	3.786	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/06/88-04/05/90	3	51.	53.333	59.	50.	24.333	4.933	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/06/88-04/05/90	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/06/88-04/05/90	3	26.	25.667	27.	24.	2.333	1.528	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/08/91-01/08/91	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	04/05/90-04/05/90	1	6700.	6700.	6700.	6700.	0.	0.	**	**	**	**
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	04/05/90-04/05/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
07012	TRITIUM IN WATERMOLECULES (TRITIUM UNITS)	04/05/90-04/05/90	1	18.1	18.1	18.1	18.1	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/08/91-01/08/91	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/06/88-04/05/90	3	351.	352.333	360.	346.	50.333	7.095	**	**	**	**
71870	BROMIDE (MG/L AS BR)	12/06/88-04/05/90	3	0.31	0.327	0.37	0.3	0.001	0.038	**	**	**	**
82082	DEUTERIUM/PROTIUM (H-2/H-1) STABLE ISOTOPE RATIO	05/15/89-05/15/89	1	-52.	-52.	-52.	-52.	0.	0.	**	**	**	**
82085	OXYGEN-18/OXYGEN-16 STABLE ISOTOPE RATIO PER MIL	05/15/89-05/15/89	1	-7.4	-7.4	-7.4	-7.4	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: GOGA0146

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	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			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
07000	TRITIUM, TOTAL	Drinking Water	20000.	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: GOGA0147

NPS Station ID: GOGA0147
LAT/LON: 37.787803/-122.469735
Agency: 11NPSWRD
Date Created: 07/11/98
Location: SOUTH SHORE OF MOUNTAIN LAKE
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): GOGA_ICB97_01
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE SOUTH SHORE OF MOUNTAIN LAKE APPROXIMATELY 1/4 MILE EAST OF THE US MARINE HOSPITAL AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED FROM 24 OCTOBER 1996 THROUGH 2 MARCH 1997 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-11/21/96	2	15.3	15.3	15.8	14.8	0.5	0.707	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-11/21/96	2	735.	735.	800.	670.	8450.	91.924	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-11/21/96	2	2.8	2.8	2.9	2.7	0.02	0.141	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-11/21/96	2	27.5	27.5	28.	27.	0.5	0.707	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/24/96-11/21/96	2	7.55	7.55	7.6	7.5	0.005	0.071	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/24/96-11/21/96	2	7.547	7.547	7.6	7.5	0.005	0.071	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/96-11/21/96	2	0.028	0.028	0.032	0.025	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-11/21/96	2	11.5	11.5	21.	2.	180.5	13.435	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/96-11/21/96	2	0.205	0.205	0.23	0.18	0.001	0.035	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2400.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2400.								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-11/21/96	2	5.85	5.85	5.9	5.8	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: GOGA0147

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00				2	2	1.00						
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00				2	0	0.00						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	2	1.00				2	2	1.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	2	1.00				2	2	1.00						
82078	TURBIDITY, FIELD	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

Station Inventory for Station: GOGA0148

NPS Station ID: GOGA0148 | LAT/LON: 37.787806/-122.470507 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: SOUTHWEST CORNER OF MOUNTAIN LAKE | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): GOGA_UCB_MLSC
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE SOUTHWEST CORNER OF MOUNTAIN LAKE WHICH IS LOCATED IN THE SOUTHWEST CORNER OF THE PRESIDIO OF SAN FRANCISCO AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. ONE SAMPLE WAS COLLECTED AT THIS SITE ON 30 SEPTEMBER 1996. THIS SAMPLE WAS ANALYZED BY LEGEND ANALYTICAL SERVICE; 3636 N. LAUGHLIN ROAD SUITE 110; SANTA ROSA CALIFORNIA 95403. THE RESULTS ARE IN "MOUNTAIN LAKE WATER QUALITY REPORT 1996/1997" BY MARC BEUTEL (U.C. BERKELEY ENVIRONMENTAL ENGINEERING PROGRAM-ENGINEERING ECOLOGY GROUP; NOVEMBER 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	09/30/97-09/30/97	1	80.	80.	80.	80.	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: GOGA0149

NPS Station ID: GOGA0149
LAT/LON: 37.787776/-122.469757
Agency: 11NPSWRD
Date Created: 07/11/98
Location: SOUTH SHORE OF MOUNTAIN LAKE
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): GOGA_UCB_MLSS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE SOUTH SHORE OF MOUNTAIN LAKE WHICH IS LOCATED IN THE SOUTHWEST CORNER OF THE PRESIDIO OF SAN FRANCISCO AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED ON 29 OCTOBER 1996; 10 DECEMBER 1996; 13 MARCH 1997; 3 JULY 1997; 28 JULY 1997; AND 3 NOVEMBER 1997. SAMPLES WERE ANALYZED BY LEGEND ANALYTICAL SERVICE; 3636 N. LAUGHLIN ROAD SUITE 110; SANTA ROSA CALIFORNIA 95403. THE RESULTS ARE IN "MOUNTAIN LAKE WATER QUALITY REPORT 1996/1997" BY MARC BEUTEL (U.C. BERKELEY ENVIRONMENTAL ENGINEERING PROGRAM-ENGINEERING ECOLOGY GROUP; NOVEMBER 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/29/96-07/03/97	3 ##	0.025	0.117	0.3	0.025	0.025	0.159	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/29/96-03/13/97	3	0.7	0.483	0.7	0.05	0.141	0.375	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/29/96-07/03/97	4	0.24	0.298	0.49	0.22	0.017	0.13	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/29/96-07/03/97	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/29/96-07/03/97	3 ##	0.5	1.	2.	0.5	0.75	0.866	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/29/96-07/03/97	3 ##	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/29/96-07/03/97	3 ##	6.	12.667	26.	6.	133.333	11.547	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/29/96-07/03/97	3 ##	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/29/96-07/03/97	3 ##	0.1	5.4	16.	0.1	84.27	9.18	**	**	**	**
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	10/29/96-11/03/97	5	32.	29.26	56.	2.8	627.088	25.042	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/29/96-07/03/97	3	0.22	0.24	0.4	0.1	0.023	0.151	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/29/96-07/03/97	3	0.7	1.217	2.8	0.15	1.956	1.399	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0149

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00				2	0	0.00	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	1300.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	15.	3	1	0.33	1	0	0.00	1	1	1.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	1	0.33	1	0	0.00	1	1	1.00	1	0	0.00			
		Drinking Water	2.	3	1	0.33	1	0	0.00	1	1	1.00	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: GOGA0150

NPS Station ID: GOGA0150 LAT/LON: 37.787831/-122.470007 Agency: 11NPSWRD Date Created: 07/11/98
Location: SEDIMENT CORE FROM SOUTH SHORE OF MOUNTAIN LAKE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): GOGA_UCB_MLSCR
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE SOUTH SHORE OF MOUNTAIN LAKE WHICH IS LOCATED IN THE SOUTHWEST CORNER OF THE PRESIDIO OF SAN FRANCISCO AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. ONE SEDIMENT CORE SAMPLE WAS COLLECTED AT THIS SITE ON 30 SEPTEMBER 1997 AND WAS ANALYZED BY LEGEND ANALYTICAL SERVICE; 3636 N. LAUGHLIN ROAD SUITE 110; SANTA ROSA CALIFORNIA 95403. THE RESULTS ARE IN "MOUNTAIN LAKE WATER QUALITY REPORT 1996/1997" BY MARC BEUTEL (U.C. BERKELEY ENVIRONMENTAL ENGINEERING PROGRAM-ENGINEERING ECOLOGY GROUP; NOVEMBER 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	2	33.	33.	33.	33.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/30/97-09/30/97	2	2.5	2.5	2.8	2.2	0.18	0.424	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/30/97-09/30/97	2	13.	13.	16.	10.	18.	4.243	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	2	16.5	16.5	17.	16.	0.5	0.707	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/30/97-09/30/97	2	18.5	18.5	19.	18.	0.5	0.707	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/30/97-09/30/97	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
81900	SEDIMENT CORE SAMPLE,UPPER DEPTH,REPORT IN INCHES	09/30/97-09/30/97	2	0.6	0.6	1.2	0.	0.72	0.849	**	**	**	**
81901	SEDIMENT CORE SAMPLE, LOWER DEPTH,REPORT IN INCHES	09/30/97-09/30/97	2	2.15	2.15	3.1	1.2	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: GOGA0151

NPS Station ID: GOGA0151 LAT/LON: 37.787892/-122.482782 Agency: 11NPSWRD Date Created: 12/31/99
Location: LOBOS CREEK JUST UPSTREAM OF LINCOLN BLVD FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_CCSF_LCU1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN LOBOS CREEK UPSTREAM OF LINCOLN BLVD. THIS STATION IS ONE OF A GROUP OF STATIONS MONITORED AT LOBOS CREEK BY THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) AS A PRELIMINARY INVESTIGATION TO IDENTIFY THE SOURCE OF HIGH COLIFORM COUNTS APPEARING DOWNSTREAM AT CCSF SHORELINE STATIONS. LOBOS CREEK DATA ARE REPORTED IN THE CCSF OCEAN OUTFALL MONITORING PROGRAM ANNUAL REPORTS FOR 1993-1996. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525, TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/30/93-12/14/93	2	1610.	1610.	1700.	1520.	16200.	127.279	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/30/93-12/14/93	2	3.206	3.206	3.23	3.182	0.001	0.034	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1607.483								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-12/14/93	2	768.	768.	1400.	136.	798848.	893.783	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-12/14/93	2	2.64	2.64	3.146	2.134	0.513	0.716	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			436.348								
31649	ENTEROCOCCI- ME-MF N0/100ML	11/30/93-12/14/93	2	116.	116.	160.	72.	3872.	62.225	**	**	**	**
31649	LOG ENTEROCOCCI- ME-MF N0/1	11/30/93-12/14/93	2	2.031	2.031	2.204	1.857	0.06	0.245	**	**	**	**
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			107.331								

** - 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: GOGA0151

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	2	2	1.00				2	2	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	1	0.50				2	1	0.50						
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	2	2	1.00				2	2	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: GOGA0152

NPS Station ID: GOGA0152 LAT/LON: 37.788170/-122.482782 Agency: 11NPSWRD Date Created: 12/31/99
Location: LOBOS CREEK NEAR DRINKING WATER DIVERSION FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_CCSF_LC2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN LOBOS CREEK DOWNSTREAM OF LINCOLN BLVD NEAR THE DRINKING WATER DIVERSION. THIS STATION IS ONE OF A GROUP OF STATIONS MONITORED AT LOBOS CREEK BY THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) AS A PRELIMINARY INVESTIGATION TO IDENTIFY THE SOURCE OF HIGH COLIFORM COUNTS APPEARING DOWNSTREAM AT CCSF SHORELINE STATIONS. LOBOS CREEK DATA ARE REPORTED IN THE CCSF OCEAN OUTFALL MONITORING PROGRAM ANNUAL REPORTS FOR 1993-1996. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525, TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0152

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	03/14/94-12/30/96	161	1120.	1562.224	8000.	20.	1874125.4	1368.987	256.8	500.	2300.	3560.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	03/14/94-12/30/96	161	3.049	3.011	3.903	1.301	0.197	0.444	2.41	2.699	3.362	3.551
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1026.092								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/14/94-09/26/95	116	380.	776.293	4800.	10.	786533.096	886.867	60.	145.	1215.	2050.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/14/94-09/26/95	116	2.579	2.572	3.681	1.	0.345	0.587	1.778	2.161	3.085	3.312
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			373.269								
31649	ENTEROCOCCI- ME-MF N0/100ML	03/14/94-09/26/95	114	75.	90.614	540.	10.	7421.744	86.15	15.	37.5	100.	200.
31649	LOG ENTEROCOCCI- ME-MF N0/1	03/14/94-09/26/95	114	1.874	1.78	2.732	1.	0.173	0.416	1.151	1.571	2.	2.301
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			60.313								

** - Less than 9 observations ## - 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: GOGA0152

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	161	87	0.54	90	57	0.63	25	11	0.44	46	19	0.41			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	116	79	0.68	64	39	0.61	13	10	0.77	39	30	0.77			
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	114	86	0.75	64	50	0.78	11	9	0.82	39	27	0.69			

& - 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: GOGA0153

NPS Station ID: GOGA0153 LAT/LON: 37.788100/-122.482781 Agency: 11NPSWRD Date Created: 07/11/98
Location: LOBOS CREEK 50 FEET DOWNSTREAM OF LINCOLN BLVD FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB95_LC3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LOBOS CREEK APPROXIMATELY 50 FEET DOWNSTREAM OF LINCOLN BOULEVARD AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. MEASUREMENTS OF BASIC WATER QUALITY CHARACTERISTICS WERE MADE IN THE FIELD; AND CHEMICAL WATER QUALITY ANALYSES IN THE LAB. ELEMENTAL ANALYSES WERE PERFORMED ON 29 JUNE 1995 AND 30 OCTOBER 1995. THE RESULTS ARE IN THE FINAL REPORT "LOBOS CREEK MONITORING REPORT JUNE 1995-NOVEMBER 1995" BY C.M. CODEMO; A. MILLER; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY- UNIVERSITY OF SAN FRANCISCO; MAY 1996). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/95-11/10/95	10	25.8	27.58	34.3	24.6	13.342	3.653	24.62	25.1	30.6	34.23
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/95-11/10/95	10	27.8	27.54	32.2	21.2	15.305	3.912	21.41	24.2	31.575	32.16
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/95-11/10/95	10	2.	2.4	4.	2.	0.489	0.699	2.	2.	3.	3.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/95-11/10/95	10	500.	504.	550.	490.	271.111	16.465	491.	500.	500.	545.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/95-11/10/95	10	12.35	12.07	14.6	7.4	4.418	2.102	7.72	10.75	13.6	14.53
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/06/95-11/10/95	10	86.5	82.6	101.	54.	190.933	13.818	55.5	73.5	91.	100.6
00406	PH, FIELD, STANDARD UNITS SU	07/06/95-11/10/95	10	7.75	7.76	7.9	7.6	0.009	0.097	7.61	7.7	7.825	7.9
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/06/95-11/10/95	10	7.747	7.75	7.9	7.6	0.009	0.097	7.61	7.7	7.825	7.9
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/95-11/10/95	10	0.018	0.018	0.025	0.013	0.	0.004	0.013	0.015	0.02	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/95-11/10/95	10	174.5	172.7	183.	164.	35.122	5.926	164.3	167.	176.25	182.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/95-11/10/95	10 ##	0.75	1.55	6.	0.5	2.914	1.707	0.5	0.5	2.	5.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/95-11/10/95	10 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/95-11/10/95	10	7.56	7.463	8.61	6.3	0.884	0.94	6.3	6.45	8.45	8.609
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/06/95-11/10/95	10	0.02	0.033	0.07	0.006	0.001	0.026	0.006	0.017	0.07	0.07
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/95-10/30/95	2	230.	230.	241.	219.	242.	15.556	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/95-10/30/95	2	28.5	28.5	29.9	27.1	3.92	1.98	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/95-10/30/95	2	38.35	38.35	40.2	36.5	6.845	2.616	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/95-10/30/95	2	34.	34.	35.5	32.5	4.5	2.121	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/95-10/30/95	2	1.74	1.74	1.81	1.67	0.01	0.099	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/95-11/10/95	10	46.	45.3	50.	38.	11.344	3.368	38.4	43.5	47.25	49.8
00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/95-11/10/95	10	55.	55.8	69.	48.	30.622	5.534	48.3	53.25	57.25	67.9
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/29/95-10/30/95	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/29/95-10/30/95	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/29/95-10/30/95	2	140.	140.	180.	100.	3200.	56.569	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/29/95-10/30/95	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/95-10/30/95	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/29/95-10/30/95	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/95-10/30/95	2	16.5	16.5	25.	8.	144.5	12.021	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/29/95-10/30/95	2	9.	9.	12.	6.	18.	4.243	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	06/29/95-10/30/95	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/29/95-10/30/95	2	166.5	166.5	174.	159.	112.5	10.607	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/29/95-10/30/95	2	6.5	6.5	12.	1.	60.5	7.778	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/29/95-10/30/95	2	89.	89.	120.	58.	1922.	43.841	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	06/29/95-10/30/95	2	13200.	13200.	13200.	13200.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/29/95-10/30/95	2	2.5	2.5	4.	1.	4.5	2.121	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	2	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	2	3.204	3.204	3.204	3.204	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1600.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	2	90.	90.	130.	50.	3200.	56.569	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	2	1.906	1.906	2.114	1.699	0.086	0.293	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			80.623								
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/29/95-10/30/95	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/06/95-11/10/95	10	1.9	3.61	16.8	0.7	23.05	4.801	0.73	1.225	3.775	15.61

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0153

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	10	0	0.00	7	0	0.00	3	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	10	0	0.00	7	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	10	0	0.00	7	0	0.00	3	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	7	0	0.00	3	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	7	0	0.00	3	0	0.00						
		Drinking Water	250.	10	0	0.00	7	0	0.00	3	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	7	0	0.00	3	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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	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						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00	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						
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						
01065	NICKEL, DISSOLVED	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	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						
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	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						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	2	1.00	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: GOGA0153

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00	1	0	0.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	10	0	0.00	7	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: GOGA0154

NPS Station ID: GOGA0154 LAT/LON: 37.788167/-122.482792 Agency: 11NPSWRD Date Created: 04/10/99
Location: LOBOS CREEK DOWNSTREAM OF LINCOLN BLVD FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ORION_LCS
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS AT LOBOS CREEK 50 FEET DOWNSTREAM OF LINCOLN BLVD. AT THE SQUIRREL CAGE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. DATA WERE COLLECTED BY ORION ENVIRONMENTAL ASSOCIATES AND CITY OF SAN FRANCISCO PERSONNEL TO MONITOR THE WATER QUALITY OF LOBOS CREEK DURING CONSTRUCTION OF A 10200-FOOT-LONG WASTEWATER TUNNEL. RESULTS ARE PRESENTED IN THE "RICHMOND TRANSPORT FACILITIES CONSTRUCTION PROJECT; ENVIRONMENTAL COMPLIANCE MONITORING SUMMARY REPORT; FINAL REPORT; JANUARY 1994 - DECEMBER 1996;" PREPARED BY ORION ENVIRONMENTAL ASSOCIATES FOR THE CITY AND COUNTY OF SAN FRANCISCO; DEPARTMENT OF PUBLIC WORKS; MARCH 1997. A "J" WAS USED TO INDICATE SUSPECT VALUES THOUGH VALUES ARE A RESULT OF ANALYTICAL MEASUREMENT. DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/94-12/30/96	79	613.	603.759	678.	428.	2775.057	52.679	524.	592.	631.	664.
00400	PH (STANDARD UNITS)	03/14/94-12/30/96	78	7.45	7.447	7.98	6.91	0.057	0.238	7.13	7.268	7.605	7.753
00400	CONVERTED PH (STANDARD UNITS)	03/14/94-12/30/96	78	7.45	7.383	7.98	6.91	0.061	0.247	7.13	7.267	7.605	7.753
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/94-12/30/96	78	0.035	0.041	0.123	0.01	0.001	0.024	0.018	0.025	0.054	0.074
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/94-12/30/96	79	184.	184.671	218.	160.	74.788	8.648	174.	180.	188.	192.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/94-12/30/96	79	256.	264.278	328.	228.	484.101	22.002	242.	248.	276.	296.
00916	CALCIUM, TOTAL (MG/L AS CA)	03/14/94-04/04/96	73	29.4	29.205	32.1	25.	1.599	1.264	27.58	28.55	30.	30.78
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/14/94-04/04/96	73	38.6	38.492	57.9	15.	18.714	4.326	35.64	37.	40.25	41.4
00929	SODIUM, TOTAL (MG/L AS NA)	03/14/94-04/04/96	73	34.3	34.148	41.	24.4	5.753	2.398	31.36	33.	34.9	36.26
00937	POTASSIUM, TOTAL MG/L AS K)	03/14/94-04/04/96	73	2.6	2.681	4.3	1.6	0.192	0.438	2.3	2.45	2.85	3.26
00940	CHLORIDE,TOTAL IN WATER MG/L	03/14/94-12/30/96	78	48.	49.423	80.	10.	68.221	8.26	43.	46.	52.5	60.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/14/94-12/30/96	79	39.	41.342	109.	9.	203.587	14.268	29.	35.	47.	54.
00951	FLUORIDE, TOTAL (MG/L AS F)	03/14/94-12/30/96	79	0.04	0.137	6.03	0.005	0.457	0.676	0.01	0.03	0.05	0.13
01002	ARSENIC, TOTAL (UG/L AS AS)	03/14/94-12/30/96	82 ##	6.	5.39	6.	1.	2.71	1.646	1.	6.	6.	6.
01007	BARIUM, TOTAL (UG/L AS BA)	03/14/94-12/30/96	82	11.	12.268	102.	8.	103.26	10.162	10.	10.	12.	13.
01027	CADMIUM, TOTAL (UG/L AS CD)	03/14/94-12/30/96	82 ##	0.5	0.665	6.	0.05	0.738	0.859	0.05	0.5	0.5	0.85
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/14/94-12/30/96	82 ##	0.5	1.166	19.	0.15	7.174	2.679	0.5	0.5	0.5	2.
01042	COPPER, TOTAL (UG/L AS CU)	03/14/94-12/30/96	82 ##	1.5	1.774	7.	1.	1.081	1.04	1.5	1.5	1.5	3.25
01045	IRON, TOTAL (UG/L AS FE)	03/14/94-12/30/96	82	71.5	120.28	547.	0.5	14305.433	119.605	34.9	42.	152.75	299.2

** - 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: GOGA0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	03/14/94-12/30/96	82 ##	5.	4.573	5.	0.5	1.581	1.257	2.5	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/14/94-12/30/96	81	27.3	38.978	212.3	0.15	1430.23	37.818	10.22	14.15	53.5	84.3
01067	NICKEL, TOTAL (UG/L AS NI)	01/10/96-12/30/96	16 ##	2.45	3.409	14.2	0.75	12.878	3.589	0.75	0.75	3.55	10.7
01077	SILVER, TOTAL (UG/L AS AG)	03/14/94-12/30/96	82 ##	1.5	1.44	2.9	0.8	0.075	0.274	0.8	1.5	1.5	1.5
01092	ZINC, TOTAL (UG/L AS ZN)	03/14/94-12/30/96	81	2.	6.179	66.	0.5	122.027	11.047	0.5	0.5	8.5	12.8
01147	SELENIUM, TOTAL (UG/L AS SE)	03/14/94-12/30/96	82 ##	1.	1.091	6.	0.25	0.433	0.658	1.	1.	1.	1.
01288	FOAMING AGENTS MG/L	03/21/94-12/30/96	80 ##	0.025	0.027	0.18	0.025	0.	0.018	0.025	0.025	0.025	0.025
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	45 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.002	0.007	0.09	0.001	0.	0.019	0.001	0.001	0.004	0.014
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	49	0.02	0.2	0.723	0.002	0.072	0.268	0.002	0.002	0.47	0.667
32104	BROMOFORM,WHOLE WATER,UG/L	12/05/94-11/26/97	47 ##	0.001	0.002	0.023	0.001	0.	0.004	0.001	0.001	0.001	0.005
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	12/05/94-11/26/97	35 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32106	CHLOROFORM,WHOLE WATER,UG/L	12/05/94-11/26/97	21 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34301	CHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	47	0.002	0.007	0.05	0.001	0.	0.013	0.001	0.001	0.005	0.028
34311	CHLOROETHANE TOTWUG/L	02/23/95-11/26/97	45 ##	0.07	0.07	0.07	0.07	0.	0.	0.07	0.07	0.07	0.07
34371	ETHYLBENZENE TOTWUG/L	12/05/94-11/26/97	18 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
34391	HEXACHLOROBUTADIENE TOTWUG/L	12/05/94-11/26/97	44 ##	0.	0.044	0.324	0.	0.006	0.076	0.	0.	0.066	0.151
34396	HEXACHLOROETHANE TOTWUG/L	12/05/94-11/26/97	47 ##	0.002	0.002	0.002	0.002	0.	0.	0.002	0.002	0.002	0.002
34413	METHYL BROMIDE TOTWUG/L	02/23/95-11/26/97	45 ##	0.101	0.101	0.101	0.101	0.	0.	0.101	0.101	0.101	0.101
34418	METHYL CHLORIDE TOTWUG/L	02/23/95-11/26/97	45 ##	0.198	0.197	0.198	0.198	0.	0.	0.198	0.198	0.198	0.198
34423	METHYLENE CHLORIDE TOTWUG/L	02/23/95-11/26/97	40 ##	0.035	0.132	0.501	0.035	0.029	0.169	0.035	0.035	0.214	0.481
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	02/23/95-11/26/97	45 ##	0.062	0.066	0.269	0.062	0.001	0.031	0.062	0.062	0.062	0.062
34496	1,1-DICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	46 ##	0.001	0.001	0.004	0.001	0.	0.	0.001	0.001	0.001	0.001
34501	1,1-DICHLOROETHYLENE TOTWUG/L	12/05/94-11/26/97	47 ##	0.032	0.032	0.032	0.032	0.	0.	0.032	0.032	0.032	0.032
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	49	0.01	0.024	0.171	0.	0.001	0.037	0.004	0.007	0.017	0.068
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	12/05/94-11/26/97	47 ##	0.002	0.006	0.051	0.002	0.	0.011	0.002	0.002	0.006	0.018
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	02/23/95-11/26/97	45 ##	0.058	0.065	0.24	0.058	0.001	0.035	0.058	0.058	0.058	0.058
34536	1,2-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	47 ##	0.	0.011	0.29	0.	0.002	0.044	0.	0.	0.	0.037
34541	1,2-DICHLOROPROPANE TOTWUG/L	12/05/94-11/26/97	47 ##	0.003	0.003	0.009	0.003	0.	0.001	0.003	0.003	0.003	0.003
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	12/05/94-11/26/97	47 ##	0.002	0.004	0.05	0.002	0.	0.007	0.002	0.002	0.002	0.005
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	48 ##	0.001	0.04	1.296	0.001	0.037	0.193	0.001	0.001	0.001	0.038
34566	1,3-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	47 ##	0.	0.008	0.192	0.	0.001	0.029	0.	0.	0.	0.025
34571	1,4-DICHLOROBENZENE TOTWUG/L	12/05/94-11/26/97	47 ##	0.	0.012	0.218	0.	0.002	0.045	0.	0.	0.	0.029
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	02/23/95-11/26/97	45 ##	0.122	0.13	0.522	0.122	0.004	0.06	0.122	0.122	0.122	0.122
34668	DICHLORODIFUOROMETHANE TOTWUG/L	02/23/95-11/26/97	46 ##	0.092	0.092	0.092	0.092	0.	0.	0.092	0.092	0.092	0.092
34696	NAPHTHALENE TOTWUG/L	12/05/94-11/26/97	45 ##	0.	0.138	1.554	0.	0.097	0.311	0.	0.	0.08	0.525
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	12/05/94-11/26/97	47 ##	0.001	0.002	0.033	0.001	0.	0.005	0.001	0.001	0.001	0.001
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	12/05/94-11/26/97	49 ##	0.001	0.004	0.062	0.001	0.	0.01	0.001	0.001	0.005	0.013
38680	CHLOROTOLUENE,2-, TOTAL, WATER UG/L	12/05/94-11/26/97	47 ##	0.	0.011	0.128	0.	0.001	0.026	0.	0.	0.008	0.033
38760	DBCP WATER, TOTUG/L	12/05/94-11/26/97	47 ##	0.003	0.229	8.293	0.003	1.562	1.25	0.003	0.003	0.003	0.003
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	02/23/95-11/26/97	45 ##	0.086	0.086	0.086	0.086	0.	0.	0.086	0.086	0.086	0.086
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	12/05/94-11/26/97	47	0.038	0.039	0.089	0.	0.001	0.023	0.	0.031	0.053	0.077
61057	PERCHLOROETHYLENE,TOT,WATER UG/L	12/05/94-11/26/97	49	0.365	0.367	0.744	0.005	0.016	0.126	0.194	0.323	0.453	0.496
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	12/05/94-11/26/97	49	0.016	0.023	0.1	0.001	0.	0.021	0.005	0.01	0.026	0.058
61290	BENZENE, TOTAL WATER UG/L	12/05/94-11/26/97	49	0.03	0.031	0.072	0.	0.	0.021	0.004	0.012	0.049	0.057
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/14/94-12/30/96	78	380.	407.397	960.	100.	32910.658	181.413	180.	277.5	520.	680.
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/14/94-12/30/96	80	6.5	6.131	9.8	1.7	3.207	1.791	2.54	5.9	7.275	7.8
71900	MERCURY, TOTAL (UG/L AS HG)	03/14/94-12/30/96	82 ##	0.15	0.193	3.5	0.015	0.138	0.372	0.15	0.15	0.15	0.15
73570	2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER TOTWUG/L	12/05/94-11/26/97	47 ##	0.006	0.006	0.006	0.006	0.	0.	0.006	0.006	0.006	0.006
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	12/05/94-11/26/97	49	0.015	0.019	0.09	0.002	0.	0.017	0.008	0.012	0.022	0.027
77128	STYRENE WHOLE WATER,UG/L	12/05/94-11/26/97	47	0.003	0.013	0.16	0.	0.001	0.033	0.	0.	0.009	0.028
77135	O-XYLENE WHOLE WATER,UG/L	12/05/94-11/26/97	49	0.009	0.016	0.091	0.	0.	0.021	0.	0.004	0.023	0.029
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	12/05/94-11/26/97	49 ##	0.	0.001	0.01	0.	0.	0.002	0.	0.	0.	0.002
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	47 ##	0.002	0.016	0.151	0.002	0.002	0.042	0.002	0.002	0.002	0.051
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	47 ##	0.002	0.003	0.016	0.002	0.	0.003	0.002	0.002	0.002	0.002
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.009	0.024	0.17	0.	0.002	0.042	0.	0.	0.024	0.071
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	49	0.008	0.016	0.119	0.	0.001	0.024	0.001	0.006	0.014	0.045
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	49 ##	0.	0.015	0.129	0.	0.001	0.034	0.	0.	0.01	0.07
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	47	0.006	0.018	0.181	0.002	0.001	0.036	0.002	0.002	0.014	0.034
77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	12/05/94-11/26/97	46 ##	0.	0.016	0.17	0.	0.002	0.039	0.	0.	0.009	0.041
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	47 ##	0.002	0.002	0.005	0.002	0.	0.	0.002	0.002	0.002	0.002
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	47	0.009	0.041	0.37	0.	0.007	0.085	0.	0.	0.034	0.189
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	47	0.008	0.026	0.151	0.	0.002	0.041	0.	0.	0.028	0.088

** - Less than 9 observations ## - 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: GOGA0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	48	0.005	0.019	0.179	0.001	0.001	0.037	0.001	0.001	0.016	0.058
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	49	0.012	0.036	0.214	0.	0.003	0.058	0.	0.003	0.03	0.14
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	12/05/94-11/26/97	47 ##	0.002	0.003	0.039	0.002	0.	0.005	0.002	0.002	0.002	0.002
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	48 ##	0.003	0.005	0.02	0.003	0.	0.004	0.003	0.003	0.006	0.012
77596	METHYLENE BROMIDE WHOLE WATER,UG/L	12/05/94-11/26/97	47 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	12/05/94-11/26/97	47 ##	0.	0.014	0.325	0.	0.003	0.055	0.	0.	0.	0.024
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	12/05/94-11/26/97	47 ##	0.003	0.003	0.003	0.003	0.	0.	0.003	0.003	0.003	0.003
77923	1-CHLOROBUTANE IN WATER UG/L	12/05/94-11/26/97	48 ##	0.	0.005	0.08	0.	0.	0.016	0.	0.	0.001	0.005
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	12/05/94-11/26/97	23 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
81555	BROMOBENZENE WHL WATER SMPL UG/L	12/05/94-11/26/97	47 ##	0.	0.002	0.059	0.	0.	0.009	0.	0.	0.	0.
81597	METHYL METHACRYLATE WHL WATER SMPL UG/L	12/05/94-11/26/97	47 ##	0.004	0.057	0.775	0.004	0.024	0.156	0.004	0.004	0.004	0.258
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/21/94-12/30/96	76	0.6	1.076	9.5	0.05	1.972	1.404	0.27	0.4	1.3	2.03

** - 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

EPA Water Quality Criteria Analysis for Station: GOGA0154

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	78	0	0.00	40	0	0.00	10	0	0.00	28	0	0.00			
		Other-Lo Lim.	6.5	78	0	0.00	40	0	0.00	10	0	0.00	28	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	78	0	0.00	40	0	0.00	11	0	0.00	27	0	0.00			
		Drinking Water	250.	78	0	0.00	40	0	0.00	11	0	0.00	27	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	79	0	0.00	40	0	0.00	11	0	0.00	28	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	79	1	0.01	40	1	0.03	11	0	0.00	28	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
		Drinking Water	50.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	82	2	0.02	40	1	0.03	10	1	0.10	32	0	0.00			
		Drinking Water	5.	82	1	0.01	40	1	0.03	10	0	0.00	32	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
		Drinking Water	1300.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
		Drinking Water	15.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
		Drinking Water	100.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
		Drinking Water	100.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	81	0	0.00	40	0	0.00	10	0	0.00	31	0	0.00			
		Drinking Water	5000.	81	0	0.00	40	0	0.00	10	0	0.00	31	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
		Drinking Water	50.	82	0	0.00	40	0	0.00	10	0	0.00	32	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	45	0	0.00	16	0	0.00	14	0	0.00	15	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	48	0	0.00	18	0	0.00	14	0	0.00	16	0	0.00			
		Drinking Water	5.	48	0	0.00	18	0	0.00	14	0	0.00	16	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	49	0	0.00	18	0	0.00	14	0	0.00	17	0	0.00			
		Drinking Water	5.	49	0	0.00	18	0	0.00	14	0	0.00	17	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	47	0	0.00	18	0	0.00	13	0	0.00	16	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	35	0	0.00	11	0	0.00	13	0	0.00	11	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	21	0	0.00	7	0	0.00	7	0	0.00	7	0	0.00			
		Drinking Water	100.	21	0	0.00	7	0	0.00	7	0	0.00	7	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	18	0	0.00	7	0	0.00	6	0	0.00	5	0	0.00			
		Drinking Water	700.	18	0	0.00	7	0	0.00	6	0	0.00	5	0	0.00			
34391	HEXACHLOROBUTADIENE, TOTAL	Fresh Acute	90.	44	0	0.00	15	0	0.00	14	0	0.00	15	0	0.00			
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	40	0	0.00	12	0	0.00	12	0	0.00	16	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	49	0	0.00	18	0	0.00	14	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

EPA Water Quality Criteria Analysis for Station: GOGA0154

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	47	0	0.00	18	0	0.00	13	0	0.00	16	0	0.00			
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	48	0	0.00	17	0	0.00	14	0	0.00	17	0	0.00			
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	45	0	0.00	14	0	0.00	14	0	0.00	17	0	0.00			
38760	DBCP, WATER, TOTAL	Drinking Water	0.2	47	2	0.04	17	2	0.12	14	0	0.00	16	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	45	0	0.00	17	0	0.00	12	0	0.00	16	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
		Drinking Water	5.	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	80	0	0.00	38	0	0.00	12	0	0.00	30	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	82	1	0.01	40	1	0.03	10	0	0.00	32	0	0.00			
		Drinking Water	2.	82	1	0.01	40	1	0.03	10	0	0.00	32	0	0.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	49	0	0.00	18	0	0.00	14	0	0.00	17	0	0.00			
77128	STYRENE, WHOLE WATER	Drinking Water	100.	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	47	0	0.00	17	0	0.00	14	0	0.00	16	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	76	0	0.00	40	0	0.00	11	0	0.00	25	0	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: GOGA0155

NPS Station ID: GOGA0155
LAT/LON: 37.788109/-122.492094
Agency: 11TOX09
Date Created: 05/15/93
Location: OPPOSITE BATHHOUSE ON PHELAN BEACH
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/AMBNT/OCEAN/NRSHRE
STORET Station ID(s): CA0037681WQ17
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
DATA FROM NPDES RECEIVING WATER MONITORING PROGRAM. STATION LOCATED IN THE SURF AT A POINT OPPOSITE THE BATHHOUSE ON PHELAN BEACH.

Parameter Inventory for Station: GOGA0155

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: GOGA0156

NPS Station ID: GOGA0156
LAT/LON: 37.788110/-122.469869
Agency: 11NPSWRD
Date Created: 07/11/98
Location: CENTER OF MOUNTAIN LAKE
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): GOGA_UCB_MLC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE CENTER OF MOUNTAIN LAKE WHICH IS LOCATED IN THE SOUTHWEST CORNER OF THE PRESIDIO OF SAN FRANCISCO AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED ON 29 OCTOBER 1996; 10 DECEMBER 1996; 28 JULY 1997; 30 AUGUST 1997; 30 SEPTEMBER 1997; AND 3 NOVEMBER 1997. SAMPLES WERE ANALYZED BY LEGEND ANALYTICAL SERVICE; 3636 N. LAUGHLIN ROAD SUITE 110; SANTA ROSA CALIFORNIA 95403. THE RESULTS ARE IN "MOUNTAIN LAKE WATER QUALITY REPORT 1996/1997" BY MARC BEUTEL (U.C. BERKELEY ENVIRONMENTAL ENGINEERING PROGRAM-ENGINEERING ECOLOGY GROUP; NOVEMBER 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/97-11/03/97	4	1.15	1.1	1.6	0.5	0.22	0.469	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/29/96-11/03/97	28	5.15	4.968	12.	0.3	10.68	3.268	0.5	1.975	6.475	10.36
00300	OXYGEN, DISSOLVED MG/L	10/29/96-11/03/97	27	19.5	19.956	23.6	14.1	6.763	2.601	16.62	18.2	22.8	23.12
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/97-11/03/97	6	0.34	0.343	0.61	0.025	0.052	0.228	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/97-09/30/97	2	0.235	0.235	0.3	0.17	0.008	0.092	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/97-09/30/97	3	0.53	0.433	0.61	0.16	0.058	0.24	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/30/97-09/30/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/30/97-09/30/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/30/97-09/30/97	1 ##	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/30/97-09/30/97	1 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/30/97-09/30/97	1 ##	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/30/97-09/30/97	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/97-11/03/97	8	26.	27.	49.	13.	146.857	12.118	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/28/97-09/30/97	3	0.23	0.233	0.28	0.19	0.002	0.045	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	09/30/97-09/30/97	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: GOGA0156

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	28	11	0.39	19	7	0.37	9	4	0.44						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	27	0	0.00	18	0	0.00	9	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	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									
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									
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: GOGA0157

NPS Station ID: GOGA0157
LAT/LON: 37.788111/-122.470119
Agency: 11NPSWRD
Date Created: 07/11/98
Location: CENTER OF MOUNTAIN LAKE
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): GOGA_ICB94_ML1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE DEEPEST PART OF MOUNTAIN LAKE (DEPTH APPROXIMATELY 3.3 METERS) NEAR THE APPROXIMATE CENTER OF THE LAKE AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED ON 11 NOVEMBER AND 30 NOVEMBER 1993; AND 16 MARCH; 15 JUNE; AND 18 SEPTEMBER 1994. THE RESULTS ARE IN "MOUNTAIN LAKE MONITORING REPORT NOVEMBER 1993- OCTOBER 1994" BY C.M. CODEMO; A. MILLER; M. PODLECH; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; FEBRUARY 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/11/93-09/18/94	25	16.1	15.552	19.8	10.8	8.694	2.949	10.86	12.65	17.85	18.88
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/11/93-09/18/94	5	1.31	1.128	2.01	0.43	0.427	0.654	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/11/93-09/18/94	5	550.	555.	675.	450.	7625.	87.321	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/11/93-09/18/94	25	6.5	6.792	14.1	2.5	9.896	3.146	2.82	3.9	9.55	10.96
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/11/93-09/18/94	25	71.	70.	149.	22.	1307.833	36.164	23.6	35.	102.5	116.4
00406	PH, FIELD, STANDARD UNITS SU	11/11/93-09/18/94	5	7.8	7.84	8.5	7.1	0.293	0.541	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/11/93-09/18/94	5	7.8	7.585	8.5	7.1	0.374	0.612	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/11/93-09/18/94	5	0.016	0.026	0.079	0.003	0.001	0.031	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/11/93-09/18/94	5	197.	196.4	238.	165.	754.3	27.465	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/11/93-09/18/94	5	0.34	0.23	0.45	0.01	0.042	0.206	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/11/93-09/18/94	5	0.58	0.476	0.76	0.12	0.064	0.254	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/16/94-09/18/94	3	0.05	0.107	0.25	0.02	0.016	0.125	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/11/93-09/18/94	5	0.04	0.08	0.17	0.01	0.006	0.074	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/16/94-09/18/94	3	0.025	0.084	0.215	0.011	0.013	0.114	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/16/94-09/18/94	3	231.	883.333	2200.	219.	1300244.333	1140.283	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/16/94-09/18/94	3	28.9	29.033	29.7	28.5	0.373	0.611	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/16/94-09/18/94	3	38.4	38.067	40.1	35.7	4.923	2.219	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/16/94-09/18/94	3	55.4	56.51	62.03	52.1	25.575	5.057	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/16/94-09/18/94	3	2.22	2.353	3.5	1.34	1.18	1.086	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/11/93-09/18/94	5	35.	33.8	39.	26.	22.7	4.764	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/16/94-09/18/94	3 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/16/94-09/18/94	3	42.	47.667	66.	35.	264.333	16.258	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/16/94-09/18/94	3	274.	213.333	298.	68.	15985.333	126.433	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/16/94-09/18/94	3	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/16/94-09/18/94	3 ##	0.5	1.333	3.	0.5	2.083	1.443	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	03/16/94-09/18/94	3	3.	3.167	5.	1.5	3.083	1.756	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/16/94-09/18/94	3	4.	4.333	7.	2.	6.333	2.517	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/16/94-09/18/94	3	24.	83.333	209.	17.	11856.333	108.887	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/16/94-09/18/94	3 ##	2.5	4.333	8.	2.5	10.083	3.175	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/16/94-09/18/94	3	104.	100.333	126.	71.	766.333	27.683	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/16/94-09/18/94	3	26.	26.	32.	20.	36.	6.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/16/94-09/18/94	3	6.	6.333	8.	5.	2.333	1.528	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/16/94-09/18/94	3	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/16/94-09/18/94	3	248.	255.	276.	241.	343.	18.52	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	03/16/94-09/18/94	3	3.	3.	4.	2.	1.	1.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/16/94-09/18/94	3	5.	9.	21.	1.	112.	10.583	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/16/94-09/18/94	3	95.	89.	119.	53.	1116.	33.407	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	03/16/94-09/18/94	3	10109.	10437.	11782.	9420.	1475449.	1214.681	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/16/94-09/18/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/16/94-09/18/94	3	1.	1.	1.	1.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/30/93-09/18/94	4	1100.	1075.	1600.	500.	369166.667	607.591	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/30/93-09/18/94	4	2.991	2.971	3.204	2.699	0.073	0.271	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			936.139								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/30/93-06/15/94	3	900.	841.	1600.	23.	624343.	790.154	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/30/93-06/15/94	3	2.954	2.507	3.204	1.362	0.999	0.999	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			321.142								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/11/93-09/18/94	5	5.6	10.74	28.4	3.3	105.843	10.288	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0157

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	25	6	0.24	12	0	0.00	7	5	0.71	6	1	0.17			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
01000	ARSENIC, DISSOLVED	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			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	3	0	0.00	2	0	0.00				1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5.	3	0	0.00	2	0	0.00				1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	3	0	0.00	2	0	0.00				1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	1300.	3	0	0.00	2	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	15.	3	0	0.00	2	0	0.00				1	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	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			
01075	SILVER, DISSOLVED	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			
01090	ZINC, DISSOLVED	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			
01145	SELENIUM, DISSOLVED	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			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	4	2	0.50	2	0	0.00	1	1	1.00	1	1	1.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	3	2	0.67	1	0	0.00	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: GOGA0157

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	5	0	0.00	2	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: GOGA0158

NPS Station ID: GOGA0158
LAT/LON: 37.787971/-122.469063
Agency: 11NPSWRD
Date Created: 07/11/98
Location: EAST PART OF MOUNTAIN LAKE
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): GOGA_ICB94_ML2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE EAST PART OF MOUNTAIN LAKE AT A LOCATION OF INTERMEDIATE DEPTH (APPROXIMATELY 1.7 METERS) AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED ON 11 NOVEMBER AND 30 NOVEMBER 1993; AND 16 MARCH; 15 JUNE; AND 18 SEPTEMBER 1994. THE RESULTS ARE IN "MOUNTAIN LAKE MONITORING REPORT NOVEMBER 1993- OCTOBER 1994" BY C.M. CODEMO; A. MILLER; M. PODLECH; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; FEBRUARY 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/11/93-09/18/94	12	16.1	16.2	21.1	10.9	12.52	3.538	10.96	12.475	18.375	21.07
00078	TRANSPARENCY, SECCHI DISC (METERS)	11/11/93-09/18/94	5	1.19	1.024	1.7	0.43	0.327	0.572	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/11/93-09/18/94	5	575.	574.	675.	500.	4817.5	69.408	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/11/93-09/18/94	12	8.6	7.992	12.1	3.4	8.639	2.939	3.76	4.825	10.075	12.1
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/11/93-09/18/94	12	86.	82.167	131.	31.	1240.515	35.221	34.	44.25	110.75	131.
00406	PH, FIELD, STANDARD UNITS SU	11/11/93-09/18/94	5	7.9	7.98	8.6	7.3	0.247	0.497	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/11/93-09/18/94	5	7.9	7.764	8.6	7.3	0.305	0.553	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/11/93-09/18/94	5	0.013	0.017	0.05	0.003	0.	0.019	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/11/93-09/18/94	5	184.	186.6	207.	167.	392.3	19.807	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/11/93-09/18/94	5	0.34	0.232	0.42	0.01	0.042	0.205	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/11/93-09/18/94	5	0.6	0.528	0.96	0.14	0.099	0.314	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/16/94-09/18/94	3	0.04	0.093	0.21	0.03	0.01	0.101	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/11/93-09/18/94	5	0.05	0.08	0.17	0.01	0.005	0.071	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/16/94-09/18/94	3	0.027	0.067	0.168	0.006	0.008	0.088	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/16/94-06/15/94	2	221.	221.	226.	216.	50.	7.071	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/16/94-09/18/94	3	28.1	28.333	29.	27.9	0.343	0.586	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/16/94-09/18/94	3	37.2	37.233	39.3	35.2	4.203	2.05	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/16/94-09/18/94	3	53.99	55.54	61.15	51.48	25.179	5.018	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/16/94-09/18/94	3	2.08	2.147	3.44	0.92	1.591	1.261	**	**	**	**

** - 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

Parameter Inventory for Station: GOGA0158

Parameter		Period of Record	Obs		Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/11/93-09/18/94	5		34.	33.2	38.	26.	19.7	4.438	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/16/94-09/18/94	3		11.	11.	15.	7.	16.	4.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/16/94-09/18/94	3		42.	45.	59.	34.	163.	12.767	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/16/94-09/18/94	3		216.	177.	277.	38.	15421.	124.181	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/16/94-09/18/94	3		2.	2.	3.	1.	1.	1.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/16/94-09/18/94	3		3.	4.	7.	2.	7.	2.646	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	03/16/94-09/18/94	3		8.	7.667	11.	4.	12.333	3.512	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/16/94-09/18/94	3		5.	5.333	6.	5.	0.333	0.577	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/16/94-09/18/94	3		27.	22.333	39.	1.	377.333	19.425	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/16/94-09/18/94	3	##	2.5	6.	13.	2.5	36.75	6.062	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/16/94-09/18/94	3		71.	59.	102.	4.	2509.	50.09	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/16/94-09/18/94	3		28.	25.667	31.	18.	46.333	6.807	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/16/94-09/18/94	3		6.	6.333	7.	6.	0.333	0.577	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/16/94-09/18/94	3		1.	1.5	3.	0.5	1.75	1.323	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/16/94-09/18/94	3		242.	249.667	269.	238.	284.333	16.862	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	03/16/94-09/18/94	3		4.	3.667	5.	2.	2.333	1.528	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/16/94-09/18/94	3		1.	8.5	24.	0.5	180.25	13.426	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/16/94-09/18/94	3		114.	96.667	117.	59.	1066.333	32.655	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	03/16/94-09/18/94	3		9844.	10304.667	11698.	9372.	1511729.333	1229.524	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/16/94-09/18/94	3		7.	8.	12.	5.	13.	3.606	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/16/94-09/18/94	3		1.	1.	1.	1.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/30/93-09/18/94	4		1250.	1430.	3000.	220.	1412933.333	1188.669	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/30/93-09/18/94	4		3.079	2.994	3.477	2.342	0.235	0.484	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =				987.362								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/30/93-09/18/94	4		940.	1077.5	2400.	30.	1251758.333	1118.82	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/30/93-09/18/94	4		2.826	2.627	3.38	1.477	0.752	0.867	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =				423.792								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/11/93-09/18/94	5		5.4	15.22	49.	3.8	368.672	19.201	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0158

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	1	0.08	5	0	0.00	4	1	0.25	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
01000	ARSENIC, DISSOLVED	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			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	3	0	0.00	2	0	0.00				1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5.	3	0	0.00	2	0	0.00				1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	3	0	0.00	2	0	0.00				1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	1300.	3	0	0.00	2	0	0.00				1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	15.	3	0	0.00	2	0	0.00				1	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	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			
01075	SILVER, DISSOLVED	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			
01090	ZINC, DISSOLVED	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			
01145	SELENIUM, DISSOLVED	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			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	4	2	0.50	2	1	0.50	1	1	1.00	1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	4	3	0.75	2	1	0.50	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: GOGA0158

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	5	0	0.00	2	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: GOGA0159

NPS Station ID: GOGA0159 LAT/LON: 37.788170/-122.482782 Agency: 11NPSWRD Date Created: 07/11/98
Location: LOBOS CREEK 50 FEET DOWNSTREAM OF LINCOLN BLVD FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_SA_LCSC
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LOBOS CREEK APPROXIMATELY 50 FEET DOWNSTREAM OF LINCOLN BLVD AT THE SQUIRREL CAGE AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. THE BACTERIOLOGICAL RESULTS ARE REPORTED IN APPENDIX C OF "LOBOS CREEK SEWER FAILURE DAMAGE ASSESSMENT REPORT" BY JUDY BENDIX; MIKE PODLECH; DAVID SUDDJIAN; AND MICHAEL WOOD WITH SYCAMORE ASSOCIATES LLC (PREPARED FOR THE CITY OF SAN FRANCISCO AND GOLDEN GATE NATIONAL RECREATION AREA; OCTOBER 1996). APPENDIX C IS ENTITLED "WATER QUALITY DATA SAMPLED FOR THE RICHMOND TRANSPORT FACILITIES". FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/06/95-03/28/96	27	2460.	2440.296	7400.	28.	3408674.678	1846.26	212.	800.	3420.	5536.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/06/95-03/28/96	27	3.391	3.183	3.869	1.447	0.307	0.554	2.304	2.903	3.534	3.743
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1522.83								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10/06/95-03/28/96	26	190.	299.038	1700.	5.	133140.038	364.884	40.	72.5	420.	800.
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	10/06/95-03/28/96	26	2.278	2.206	3.23	0.699	0.29	0.538	1.602	1.852	2.622	2.903
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			160.689								
31648	E. COLI - MTEC-MF N0/100ML	11/08/95-03/28/96	18	50.	103.056	420.	5.	14126.879	118.857	9.5	20.	145.	366.
31648	LOG E. COLI - MTEC-MF N0/1	11/08/95-03/28/96	18	1.69	1.74	2.623	0.699	0.283	0.532	0.97	1.301	2.161	2.563
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			54.942								
31649	ENTEROCOCCI- ME-MF N0/100ML	10/06/95-03/28/96	27	40.	58.222	180.	2.	2199.179	46.895	10.	20.	100.	124.
31649	LOG ENTEROCOCCI- ME-MF N0/1	10/06/95-03/28/96	27	1.602	1.583	2.255	0.301	0.217	0.466	1.	1.301	2.	2.093
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			38.293								

** - Less than 9 observations ## - 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: GOGA0159

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	27	20	0.74	1	1	1.00	16	15	0.94	10	4	0.40			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	26	13	0.50	1	0	0.00	15	11	0.73	10	2	0.20			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	18	5	0.28				9	4	0.44	9	1	0.11			
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	27	18	0.67	1	0	0.00	16	13	0.81	10	5	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: GOGA0160

NPS Station ID: GOGA0160 | LAT/LON: 37.787970/-122.468893 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: EAST FINGER OF MOUNTAIN LAKE | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): GOGA_UCB_MLEF
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE EAST FINGER OF MOUNTAIN LAKE WHICH IS LOCATED IN THE SOUTHWEST CORNER OF THE PRESIDIO OF SAN FRANCISCO AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED ON 28 JULY 1997; 30 AUGUST 1997; 30 SEPTEMBER 1997; AND 3 NOVEMBER 1997. ALL SAMPLES WERE ANALYZED BY LEGEND ANALYTICAL SERVICE; 3636 N. LAUGHLIN ROAD SUITE 110; SANTA ROSA CALIFORNIA 95403. THE RESULTS ARE IN "MOUNTAIN LAKE WATER QUALITY REPORT 1996/1997" BY MARC BEUTEL (U.C. BERKELEY ENVIRONMENTAL ENGINEERING PROGRAM-ENGINEERING ECOLOGY GROUP; NOVEMBER 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0160

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/97-07/28/97	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/97-11/03/97	4	36.5	39.75	58.	28.	201.583	14.198	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0161

NPS Station ID: GOGA0161 LAT/LON: 37.788391/-122.470207 Agency: 11NPSWRD Date Created: 07/11/98
Location: SEDIMENT CORE FROM WEST SHORE OF MOUNTAIN LAKE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): GOGA_UCB_MLWCR
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE WEST SHORE OF MOUNTAIN LAKE WHICH IS LOCATED IN THE SOUTHWEST CORNER OF THE PRESIDIO OF SAN FRANCISCO AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. ONE SEDIMENT CORE SAMPLE WAS COLLECTED AT THIS SITE ON 30 SEPTEMBER 1997 AND WAS ANALYZED BY LEGEND ANALYTICAL SERVICE; 3636 N. LAUGHLIN ROAD SUITE 110; SANTA ROSA CALIFORNIA 95403. THE RESULTS ARE IN "MOUNTAIN LAKE WATER QUALITY REPORT 1996/1997" BY MARC BEUTEL (U.C. BERKELEY ENVIRONMENTAL ENGINEERING PROGRAM-ENGINEERING ECOLOGY GROUP; NOVEMBER 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	2	29.	29.	35.	23.	72.	8.485	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/30/97-09/30/97	2	11.55	11.55	15.	8.1	23.805	4.879	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/30/97-09/30/97	2	84.5	84.5	92.	77.	112.5	10.607	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/30/97-09/30/97	2	26.5	26.5	30.	23.	24.5	4.95	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/30/97-09/30/97	2	50.5	50.5	58.	43.	112.5	10.607	**	**	**	**
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	09/30/97-09/30/97	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	09/30/97-09/30/97	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	09/30/97-09/30/97	2 ##	5.25	5.25	5.25	5.25	0.	0.	**	**	**	**
38435	DALAPON SEDDRYWGTUG/KG	09/30/97-09/30/97	2 ##	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
38444	DICAMBA (BANVEL) SEDDRYWGTUG/KG	09/30/97-09/30/97	2 ##	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
38484	MCPA SEDDRYWGTUG/KG	09/30/97-09/30/97	2 ##	1650.	1650.	1650.	1650.	0.	0.	**	**	**	**
38494	MCPP SEDDRYWGTUG/KG	09/30/97-09/30/97	2 ##	1650.	1650.	1650.	1650.	0.	0.	**	**	**	**
38748	2,4-DB SEDDRYWGTUG/KG	09/30/97-09/30/97	2 ##	3.15	3.15	3.15	3.15	0.	0.	**	**	**	**
38781	DINOSEB SEDDRYWGTUG/KG	09/30/97-09/30/97	2 ##	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/30/97-09/30/97	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	09/30/97-09/30/97	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/30/97-09/30/97	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/30/97-09/30/97	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/30/97-09/30/97	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/30/97-09/30/97	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	09/30/97-09/30/97	2 ##	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

Parameter Inventory for Station: GOGA0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	09/30/97-09/30/97	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	09/30/97-09/30/97	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	09/30/97-09/30/97	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/30/97-09/30/97	2 ##	40.	40.	40.	40.	0.	0.	**	**	**	**
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/30/97-09/30/97	2 ##	40.	40.	40.	40.	0.	0.	**	**	**	**
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/30/97-09/30/97	2 ##	40.	40.	40.	40.	0.	0.	**	**	**	**
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/30/97-09/30/97	2 ##	17.	17.	17.	17.	0.	0.	**	**	**	**
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/30/97-09/30/97	2 ##	31.	31.	45.	17.	392.	19.799	**	**	**	**
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	09/30/97-09/30/97	2 ##	40.	40.	40.	40.	0.	0.	**	**	**	**
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/30/97-09/30/97	2 ##	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
50967	ENDOSULFAN II, DRY WEIGHT, SEDIMENT UG/KG	09/30/97-09/30/97	2 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/30/97-09/30/97	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
75041	BHC,ALPHA- SEDIMENT,DRY,WT,UG/KG	09/30/97-09/30/97	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81900	SEDIMENT CORE SAMPLE,UPPER DEPTH,REPORT IN INCHES	09/30/97-09/30/97	2	1.95	1.95	3.9	0.	7.605	2.758	**	**	**	**
81901	SEDIMENT CORE SAMPLE, LOWER DEPTH,REPORT IN INCHES	09/30/97-09/30/97	2	3.95	3.95	5.9	2.	7.605	2.758	**	**	**	**
85791	ENDRIN KETONE, SEDIMENT, DRY WT,(SF) UG/KG	09/30/97-09/30/97	2 ##	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

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

Station Inventory for Station: GOGA0162

NPS Station ID: GOGA0162
LAT/LON: 37.788307/-122.469617
Agency: 11NPSWRD
Date Created: 07/11/98
Location: EAST SHORE OF MOUNTAIN LAKE
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): GOGA_UCB_MLES
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE EAST SHORE OF MOUNTAIN LAKE WHICH IS LOCATED IN THE SOUTHWEST CORNER OF THE PRESIDIO OF SAN FRANCISCO AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. ONE SAMPLE WAS COLLECTED AT THIS SITE ON 3 JULY 1997. THIS SAMPLE WAS ANALYZED BY LEGEND ANALYTICAL SERVICE; 3636 N. LAUGHLIN ROAD SUITE 110; SANTA ROSA CALIFORNIA 95403. THE RESULTS ARE IN "MOUNTAIN LAKE WATER QUALITY REPORT 1996/1997" BY MARC BEUTEL (U.C. BERKELEY ENVIRONMENTAL ENGINEERING PROGRAM-ENGINEERING ECOLOGY GROUP; NOVEMBER 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0162

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/03/97-07/03/97	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/03/97-07/03/97	1	48.	48.	48.	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

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

Station Inventory for Station: GOGA0163

NPS Station ID: GOGA0163 LAT/LON: 37.788609/-122.375012 Agency: 21CAL-84 Date Created: 02/15/86
Location: SAN FRANCISCO BAY 1.5KM SOUTH OF YERBA BUENA ISL FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): CHSSFB04 /110
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050004001 RF1 Mile Point: 52.360 Distance from RF1: 15.10 On/Off RF1: OFF
RF3 Index: 18050002017300.00 RF3 Mile Point: 2.68 Distance from RF3: 1.07 On/Off RF3:
Description:
LOCATION-SAN FRANCISCO BAY 1.5KM SOUTH OF YERBA BUENA ISLAND. HISTORY-ESTABLISHED JAN 1980 FOR MONITORING FISH AND CRUSTACEANS IN SF BAY AND THE WEST DELTA. SAMPLED MONTHLY 1980 TO PRESENT (CURRENT). DATA TYPES-WATER TEMPERATURE AND EC, TIDE STAGE AND DIRECTION, STATION

DEPTH, START AND FINISH LAT & LON OF TOW, BEARING OF TOW, DISTANCE OF TOW, NET TYPE, NUMBER OF FISH AND INVERTEBRATES BY SPECIES WITH SIZE FREQUENCY. SAMPLING TECHNIQUES-EACH STATION IS TOWED WITH A 3M X 3M MIDWATER TRAWL, A 1M X 3M OTTER TRAWL AND A .5M DIA 505 MICRON EGG AND LARUAL NET. TOWS ARE 5 AND 6 MINUTE DURATION AND TAKEN WITHOUT RESPECT TO TIDE STAGE OR DIRECTION. MIDWATER TRAWLS AND E & L TOWS ARE OBLIQUE. FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH & GAME (209) 466-4421.

Parameter Inventory for Station: GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	573	14.8	14.937	20.2	8.4	7.015	2.649	11.5	12.75	17.1	18.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	93	1.08	1.118	2.2	0.4	0.185	0.43	0.62	0.8	1.315	1.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	574	43200.	41947.843	51548.	11150.	50802380.139	7127.579	33228.	37800.	48000.	49400.

** - Less than 9 observations ## - 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 1980 - Station GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	10	14.4	14.82	19.2	11.	6.002	2.45	11.18	13.025	17.	19.04
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	10	1.1	1.283	2.1	0.7	0.241	0.491	0.71	0.875	1.788	2.08
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	10	37373.	35115.5	50500.	16256.	119688243.611	10940.212	16888.7	25265.75	43874.75	50048.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	72	14.9	15.332	19.3	12.7	4.796	2.19	12.7	13.225	17.575	18.1
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	12	1.05	1.088	1.6	0.4	0.136	0.369	0.49	0.825	1.45	1.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	72	47100.	44817.361	49300.	33400.	26625926.741	5160.032	33430.	41675.	48500.	49149.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	49	14.1	14.547	18.1	8.4	4.846	2.201	12.3	12.45	16.55	17.2
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	12	1.24	1.286	2.2	0.45	0.318	0.564	0.465	0.863	1.75	2.17
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	50	39000.	37983.24	45500.	23600.	35041133.207	5919.555	29530.	33217.	43900.	44300.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	91	16.1	15.86	20.	9.6	6.294	2.509	12.08	14.2	18.	19.54
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	12	0.945	0.987	1.45	0.4	0.104	0.322	0.478	0.725	1.3	1.42
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	91	38900.	35884.066	46800.	11150.	65174475.507	8073.071	23920.	30300.	41400.	44020.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	102	13.3	14.204	18.4	10.6	5.208	2.282	11.9	12.2	16.5	18.17
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	12	1.3	1.296	1.9	0.7	0.157	0.397	0.73	0.913	1.6	1.87
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	102	44300.	43808.843	51548.	23000.	41413241.916	6435.312	34430.	39775.	49321.	50210.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	84	14.15	14.305	20.2	9.4	11.761	3.429	10.1	10.9	17.5	19.35
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	12	1.15	1.192	2.11	0.53	0.237	0.487	0.551	0.75	1.533	2.032
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	84	46900.	45271.429	50700.	35300.	21976764.2	4687.938	36000.	42900.	48800.	49500.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	81	14.6	14.557	17.9	9.6	5.749	2.398	11.9	12.2	16.95	17.2
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	12	0.9	0.942	1.95	0.4	0.165	0.407	0.46	0.65	1.1	1.755
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	81	41600.	39997.531	47900.	22300.	33398743.827	5779.165	29840.	37700.	43250.	45500.

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

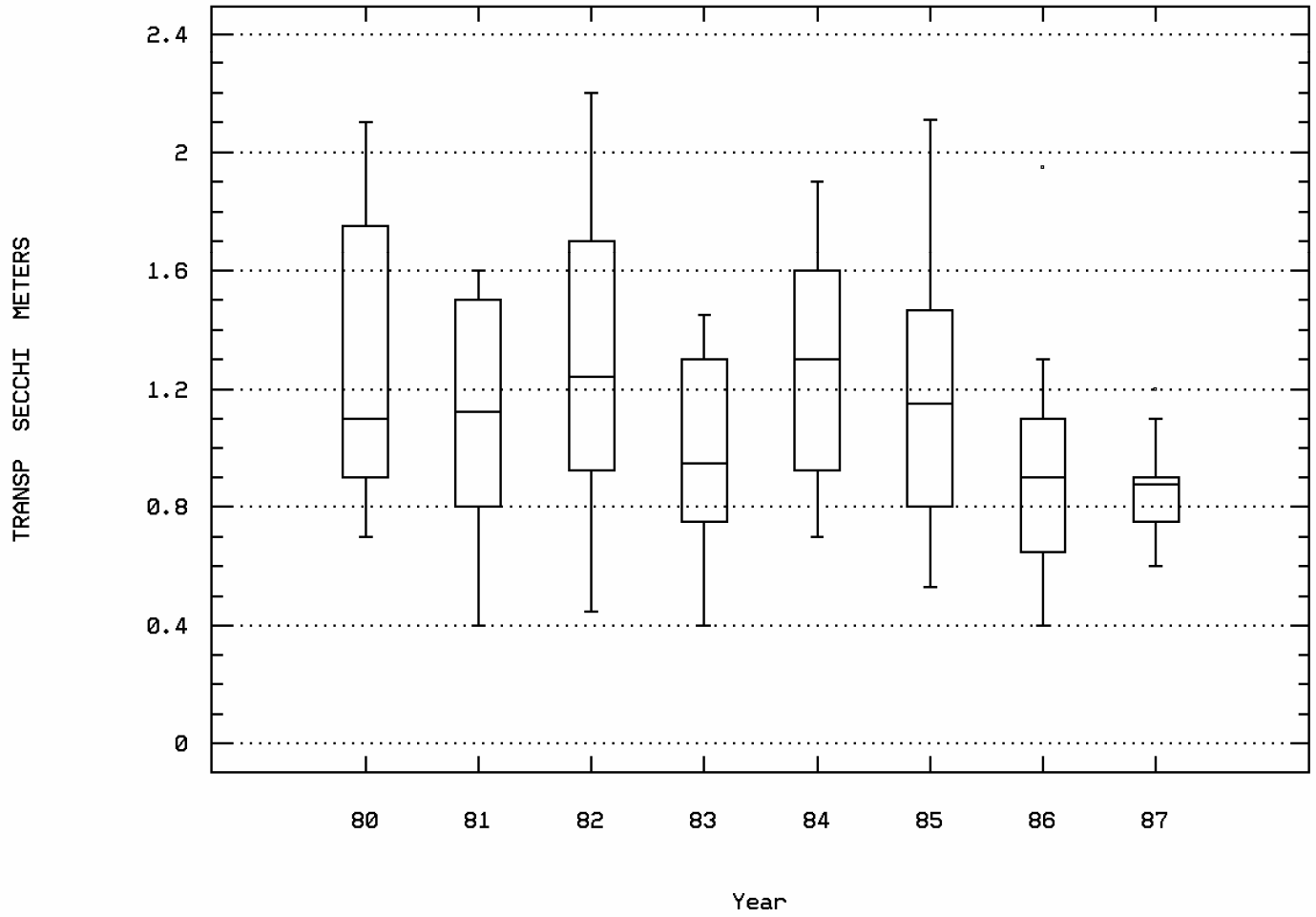
Annual Analysis for 1987 - Station GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	84	16.65	15.73	19.5	10.1	7.321	2.706	11.	13.2	17.675	18.8
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	11	0.9	0.882	1.2	0.6	0.03	0.174	0.62	0.75	1.	1.18
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	84	47744.	45527.893	51100.	35400.	24376707.952	4937.277	37050.	41600.	49800.	50600.

** - Less than 9 observations ## - Computed 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: GOGA0163 Parameter Code: 00078

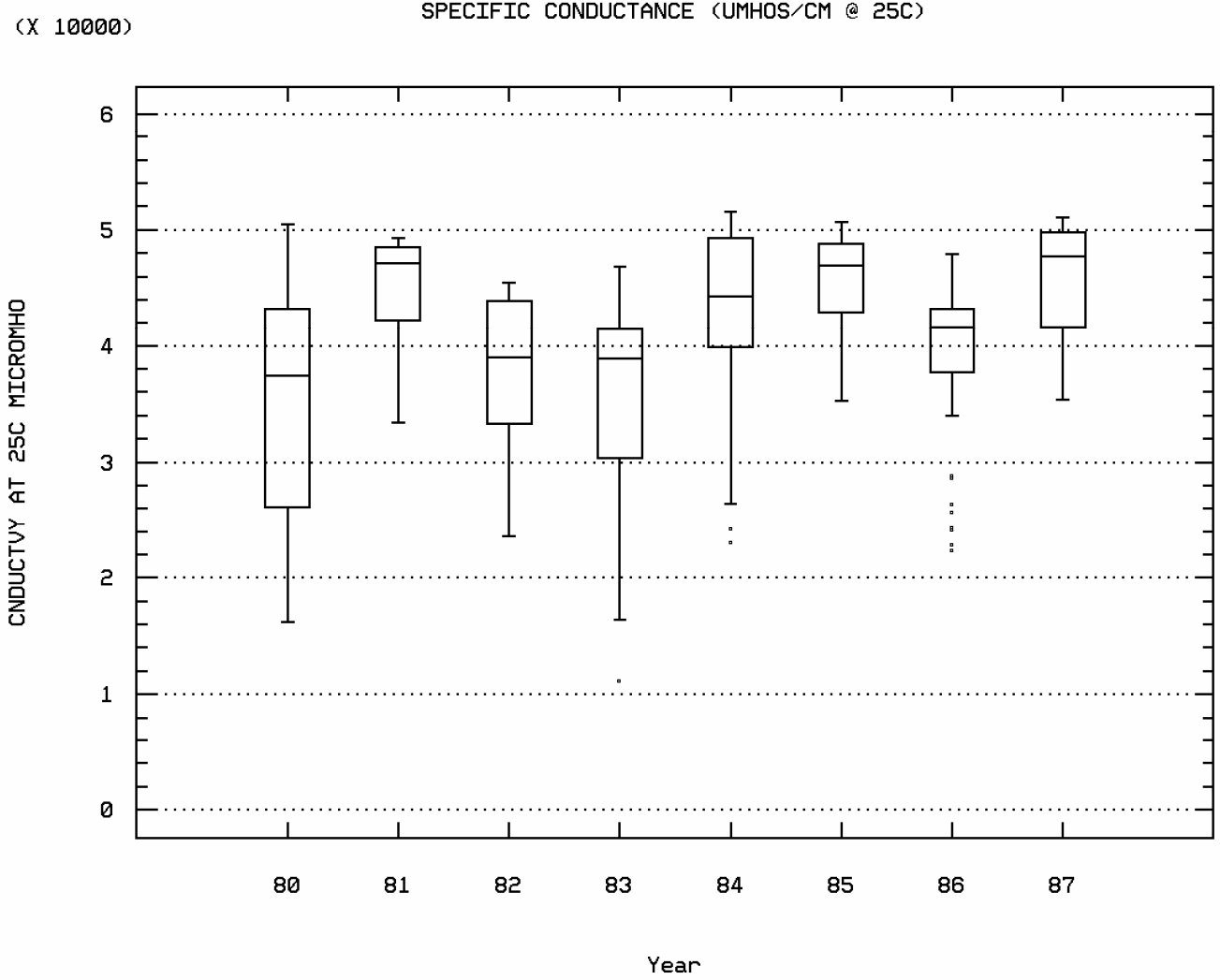
TRANSPARENCY, SECCHI DISC (METERS)



SAN FRANCISCO BAY 1.5KM SOUTH OF YERBA

Station: GOGA0163 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SAN FRANCISCO BAY 1.5KM SOUTH OF YERBA

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	242	17.4	17.404	20.2	13.4	1.537	1.24	16.2	16.8	18.1	18.97
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	38	1.14	1.255	2.2	0.6	0.2	0.447	0.659	0.9	1.6	1.875
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	242	46800.	45335.5	51548.	31059.	21233463.164	4607.978	38120.	41175.	49200.	50000.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	136	12.95	12.985	16.3	8.4	3.599	1.897	10.4	11.9	14.275	15.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	22	1.15	1.143	1.9	0.4	0.154	0.393	0.63	0.838	1.313	1.81
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	137	43000.	42503.431	50700.	23000.	33792079.159	5813.095	34380.	39750.	47937.5	49440.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/09/87	195	13.2	13.237	19.5	9.4	3.102	1.761	10.9	12.	14.4	15.58
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/09/87	33	0.9	0.944	2.1	0.4	0.147	0.383	0.47	0.7	1.125	1.42
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/09/87	195	37300.	37353.338	49500.	11150.	64231419.256	8014.451	25520.	33400.	43600.	47340.

** - Less than 9 observations ## - Computed 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: GOGA0164

NPS Station ID: GOGA0164 | LAT/LON: 37.788750/-122.469898 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: NORTH FINGER OF MOUNTAIN LAKE | | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): GOGA_UCB_MLNF |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18050002 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: |
Minor Basin: SAN FRANCISCO BAY REGION | | ECO Region: |
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:

Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE NORTH FINGER OF MOUNTAIN LAKE WHICH IS LOCATED IN THE SOUTHWEST CORNER OF THE PRESIDIO OF SAN FRANCISCO AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED ON 28 JULY 1997; 30 AUGUST 1997; 30 SEPTEMBER 1997; AND 3 NOVEMBER 1997. ALL SAMPLES WERE ANALYZED BY LEGEND ANALYTICAL SERVICE; 3636 N. LAUGHLIN ROAD SUITE 110; SANTA ROSA CALIFORNIA 95403. THE RESULTS ARE IN "MOUNTAIN LAKE WATER QUALITY REPORT 1996/1997" BY MARC BEUTEL (U.C. BERKELEY ENVIRONMENTAL ENGINEERING PROGRAM-ENGINEERING ECOLOGY GROUP; NOVEMBER 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK

RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/97-11/03/97	4	30.5	38.	66.	25.	359.333	18.956	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0165

NPS Station ID: GOGA0165 LAT/LON: 37.788752/-122.482504 Agency: 11NPSWRD Date Created: 07/11/98
Location: LOBOS CREEK 500 FEET DOWNSTREAM OF LINCOLN BLVD FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB95_LC2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LOBOS CREEK APPROXIMATELY 500 FEET DOWNSTREAM OF LINCOLN BOULEVARD AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. MEASUREMENTS OF BASIC WATER QUALITY CHARACTERISTICS WERE MADE IN THE FIELD; AND CHEMICAL WATER QUALITY ANALYSES IN THE LAB. ELEMENTAL ANALYSES WERE PERFORMED ON 29 JUNE 1995 AND 30 OCTOBER 1995. THE RESULTS ARE IN THE FINAL REPORT "LOBOS CREEK MONITORING REPORT JUNE 1995-NOVEMBER 1995" BY C.M. CODEMO; A. MILLER; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY- UNIVERSITY OF SAN FRANCISCO; MAY 1996). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/95-11/10/95	10	26.1	26.83	34.	23.	15.162	3.894	23.06	24.125	28.3	33.97
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/95-11/10/95	10	25.75	26.41	32.2	21.4	15.483	3.935	21.46	23.05	30.825	32.13
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/95-11/10/95	10	3.	3.4	4.	3.	0.267	0.516	3.	3.	4.	4.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/95-11/10/95	10	500.	494.5	500.	455.	202.5	14.23	458.5	497.5	500.	500.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/95-11/10/95	10	12.6	12.14	14.3	7.2	4.349	2.086	7.53	11.25	13.7	14.24
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/06/95-11/10/95	10	87.5	86.4	129.	53.	380.933	19.518	54.6	75.75	91.	125.8
00406	PH, FIELD, STANDARD UNITS SU	07/06/95-11/10/95	10	7.85	7.88	8.1	7.7	0.015	0.123	7.71	7.8	8.	8.09
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/06/95-11/10/95	10	7.847	7.865	8.1	7.7	0.015	0.124	7.71	7.8	8.	8.09
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/95-11/10/95	10	0.014	0.014	0.02	0.008	0.	0.004	0.008	0.01	0.016	0.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/95-11/10/95	10	172.5	170.9	178.	162.	32.322	5.685	162.2	165.5	176.	177.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/95-11/10/95	10	3.5	4.9	18.	0.5	30.711	5.542	0.5	0.875	6.5	17.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/95-11/10/95	10 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/95-11/10/95	10	7.73	7.519	9.02	5.46	1.234	1.111	5.544	6.525	8.302	8.979
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/06/95-11/10/95	10	0.02	0.032	0.09	0.007	0.001	0.029	0.007	0.018	0.043	0.089
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/95-10/30/95	2	228.5	228.5	238.	219.	180.5	13.435	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/95-10/30/95	2	28.4	28.4	29.6	27.2	2.88	1.697	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/95-10/30/95	2	38.15	38.15	39.8	36.5	5.445	2.333	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/95-10/30/95	2	33.85	33.85	35.2	32.5	3.645	1.909	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/95-10/30/95	2	1.57	1.57	1.77	1.37	0.08	0.283	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/95-11/10/95	10	46.	45.	51.	35.	21.111	4.595	35.5	43.	48.25	50.8
00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/95-11/10/95	10	54.5	54.5	68.	44.	40.944	6.399	44.4	51.	58.	67.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/29/95-10/30/95	2 ##	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

Parameter Inventory for Station: GOGA0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/29/95-10/30/95	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/29/95-10/30/95	2	140.5	140.5	183.	98.	3612.5	60.104	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/29/95-10/30/95	2	2.	2.	2.	2.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/29/95-10/30/95	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/95-10/30/95	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/29/95-10/30/95	2	6.	6.	8.	4.	8.	2.828	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/95-10/30/95	2	12.5	12.5	18.	7.	60.5	7.778	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/29/95-10/30/95	2	8.5	8.5	14.	3.	60.5	7.778	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	06/29/95-10/30/95	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/29/95-10/30/95	2	165.5	165.5	172.	159.	84.5	9.192	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/29/95-10/30/95	2 ##	6.25	6.25	12.	0.5	66.125	8.132	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/29/95-10/30/95	2	80.5	80.5	121.	40.	3280.5	57.276	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	06/29/95-10/30/95	2	13150.	13150.	13200.	13100.	5000.	70.711	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/29/95-10/30/95	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/29/95-10/30/95	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	2	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	2	3.204	3.204	3.204	3.204	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1600.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	2	80.	80.	80.	80.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	2	1.903	1.903	1.903	1.903	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			80.								
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/29/95-10/30/95	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/06/95-11/10/95	10	2.3	2.46	6.1	0.5	2.774	1.665	0.53	0.875	3.425	5.87

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0165

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	10	0	0.00	7	0	0.00	3	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	10	0	0.00	7	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	10	0	0.00	7	0	0.00	3	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	7	0	0.00	3	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	7	0	0.00	3	0	0.00						
		Drinking Water	250.	10	0	0.00	7	0	0.00	3	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	7	0	0.00	3	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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	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						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00	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						
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						
01065	NICKEL, DISSOLVED	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	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						
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	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						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	2	1.00	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: GOGA0165

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00	1	0	0.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	10	0	0.00	7	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: GOGA0166

NPS Station ID: GOGA0166 LAT/LON: 37.789056/-122.482504 Agency: 11NPSWRD Date Created: 12/31/99
Location: LOBOS CREEK D/S OF DRINKING WATER DIVERSION FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_CCSF_LCU2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN LOBOS CREEK DOWNSTREAM OF THE DRINKING WATER DIVERSION. THIS STATION IS ONE OF A GROUP OF STATIONS MONITORED AT LOBOS CREEK BY THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) AS A PRELIMINARY INVESTIGATION TO IDENTIFY THE SOURCE OF HIGH COLIFORM COUNTS APPEARING DOWNSTREAM AT CCSF SHORELINE STATIONS. LOBOS CREEK DATA ARE REPORTED IN THE CCSF OCEAN OUTFALL MONITORING PROGRAM ANNUAL REPORTS FOR 1993-1996. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525, TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0166

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/30/93-11/30/93	1	3600.	3600.	3600.	3600.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/30/93-11/30/93	1	3.556	3.556	3.556	3.556	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3600.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	1	3.079	3.079	3.079	3.079	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1200.								
31649	ENTEROCOCCI- ME-MF N0/100ML	11/30/93-11/30/93	1	200.	200.	200.	200.	0.	0.	**	**	**	**
31649	LOG ENTEROCOCCI- ME-MF N0/1	11/30/93-11/30/93	1	2.301	2.301	2.301	2.301	0.	0.	**	**	**	**
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			200.								

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EPA Water Quality Criteria Analysis for Station: GOGA0166

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	1	1.00				1	1	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	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: GOGA0167

NPS Station ID: GOGA0167 LAT/LON: 37.789636/-122.486893 Agency: 11NPSWRD Date Created: 12/31/99
Location: CHINA BEACH NEAR SEA CLIFF 1 PUMP STATION FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_SW17
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT BAKER BEACH NEAR SEA CLIFF 1 PUMP STATION. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) SOUTHWEST OCEAN OUTFALL REGIONAL MONITORING PROGRAM AND WERE REPORTED IN THE 1997 AND 1998 ANNUAL REPORTS. THIS PROGRAM REPLACES THE CCSF OCEAN OUTFALL MONITORING PROGRAM AND MONITORS SHORELINE BACTERIOLOGICAL, MARINE SEDIMENT, BENTHIC INFAUNA AND FISH AND EPIBENTHIC INVERTEBRATES. FOR MORE INFORMATION ON THE STUDE, CONTACT CCSF AT TEL. (415) 242-2201. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE PARK AT FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	624	10.	54.178	2610.	5.	39004.699	197.496	5.	5.	30.	100.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/97-12/29/99	624	1.	1.19	3.417	0.699	0.307	0.555	0.699	0.699	1.477	2.
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.474								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	37	10.	35.811	340.	5.	4178.491	64.641	5.	5.	40.	102.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	37	1.	1.176	2.531	0.699	0.281	0.53	0.699	0.699	1.602	2.008
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.985								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	72	10.	29.722	160.	5.	1694.288	41.162	5.	5.	37.5	100.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/97-03/28/97	72	1.	1.156	2.204	0.699	0.249	0.499	0.699	0.699	1.571	2.
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			14.308								

** - Less than 9 observations ## - 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: GOGA0167

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	624	6	0.01	253	3	0.01	168	2	0.01	203	1	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	37	2	0.05				7	2	0.29	30	0	0.00			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	72	18	0.25				14	8	0.57	58	10	0.17			

& - 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: GOGA0168

NPS Station ID: GOGA0168 LAT/LON: 37.789636/-122.486893 Agency: 11NPSWRD Date Created: 12/31/99
Location: PHELAN BEACH (CHINA BEACH) IN THE SURF FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM17
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT PHELAN BEACH (CHINA BEACH) IN THE SURF. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0168

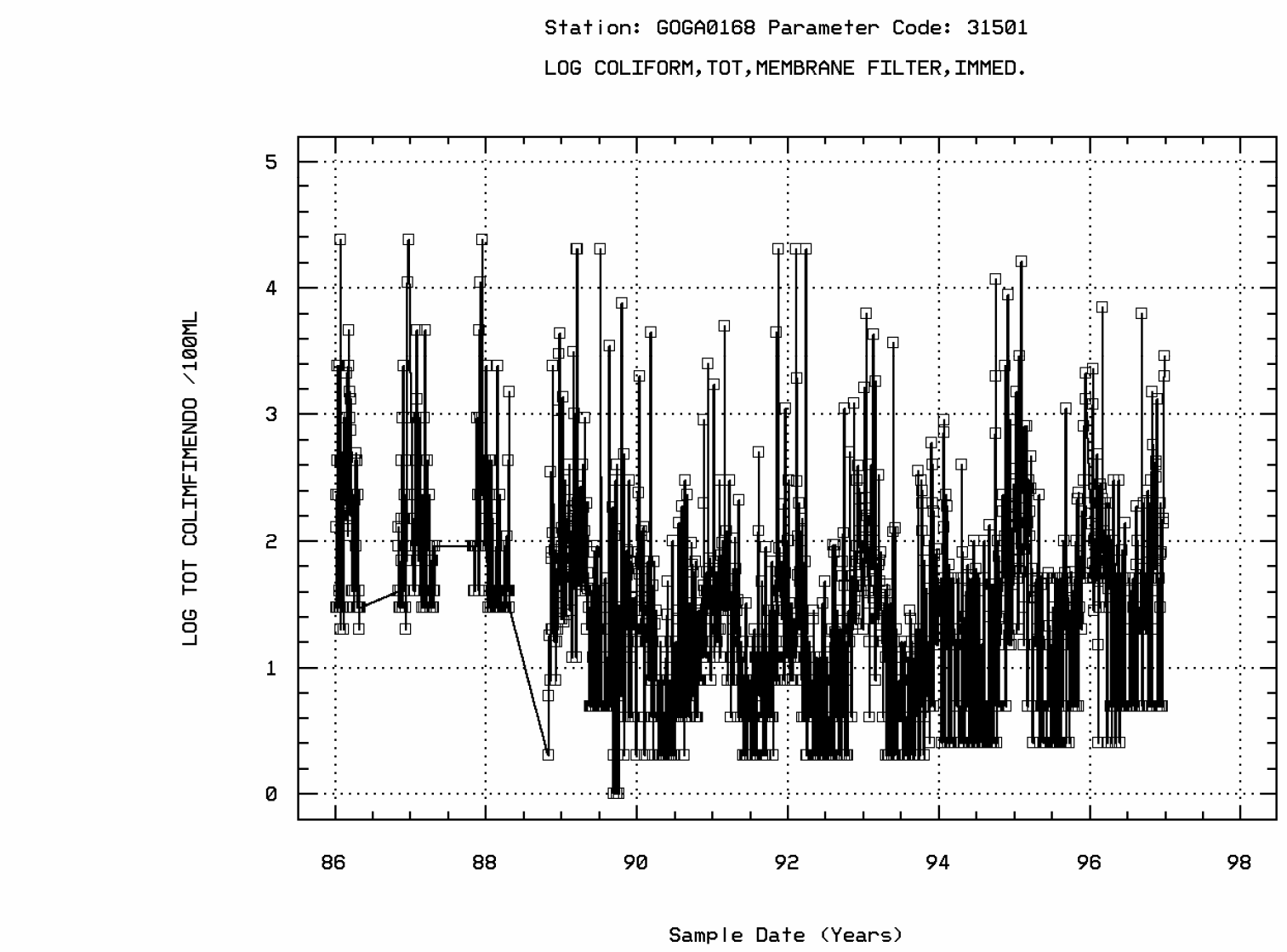
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	1487	28.	355.128	24000.	1.	3917665.537	1979.309	2.5	8.	80.	300.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	1487	1.447	1.468	4.38	0.	0.638	0.799	0.398	0.903	1.903	2.477
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			29.366								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1232	6.	99.712	16000.	1.	481643.603	694.005	2.	2.5	25.	75.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1232	0.778	0.974	4.204	0.	0.507	0.712	0.301	0.398	1.398	1.875
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.409								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	1227	5.	30.919	5500.	1.	52247.007	228.576	1.	2.	12.	40.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	1227	0.699	0.736	3.74	0.	0.38	0.617	0.	0.301	1.079	1.602
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.45								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0168

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1487	70	0.05	509	8	0.02	417	33	0.08	561	29	0.05			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1232	60	0.05	504	9	0.02	317	26	0.08	411	25	0.06			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	1225 &	141	0.12	503	37	0.07	311	49	0.16	411	55	0.13			

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



PHELAN BEACH (CHINA BEACH) IN THE SURF

Annual Analysis for 1986 - Station GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	93	150.	1275.591	24000.	20.	19112033.614	4371.731	30.	30.	430.	2280.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	93	2.176	2.231	4.38	1.301	0.57	0.755	1.477	1.477	2.633	3.357
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			170.376								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	77	90.	877.662	24000.	30.	9387802.358	3063.952	40.	55.	430.	930.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	77	1.954	2.243	4.38	1.477	0.422	0.649	1.602	1.724	2.633	2.968
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			175.067								

** - 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

Annual Analysis for 1988 - Station GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	75	32.	328.32	4380.	2.	645123.491	803.196	19.2	30.	110.	1234.8
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	75	1.505	1.813	3.641	0.301	0.462	0.679	1.283	1.477	2.041	3.085
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			65.075								

** - 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

Annual Analysis for 1989 - Station GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	30.	554.596	20000.	1.	7971314.694	2823.352	5.	10.	100.	300.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.477	1.529	4.301	0.	0.667	0.816	0.699	1.	2.	2.477
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			33.788								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	8.	129.321	7160.	1.	623392.013	789.552	1.	2.	30.75	78.2
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	0.903	0.998	3.855	0.	0.584	0.764	0.	0.301	1.488	1.893
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.951								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	2.	20.019	430.	1.	3118.174	55.841	1.	1.	11.5	50.1
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.301	0.621	2.633	0.	0.457	0.676	0.	0.	1.059	1.695
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.181								

** - 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 box-and-whisker plot

Annual Analysis for 1990 - Station GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	152	12.	93.066	4500.	2.	201591.85	448.99	2.	4.	32.	91.2
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	152	1.079	1.154	3.653	0.301	0.424	0.651	0.301	0.602	1.505	1.959
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			14.248								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	152	4.	32.908	1500.	1.	25300.124	159.06	1.	2.	12.	40.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	152	0.602	0.741	3.176	0.	0.402	0.634	0.	0.301	1.079	1.602
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.514								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	153	4.	30.261	1515.	1.	22219.681	149.063	1.	2.	16.	50.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	153	0.602	0.731	3.18	0.	0.438	0.662	0.	0.301	1.204	1.699
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			5.381								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	157	16.	238.675	20000.	2.	2827639.041	1681.559	4.	8.	43.	96.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	157	1.204	1.274	4.301	0.301	0.458	0.676	0.602	0.903	1.633	1.982
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			18.774								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	8.	73.338	4300.	1.	197366.597	444.26	1.	2.	18.	36.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	0.903	0.863	3.633	0.	0.423	0.65	0.	0.301	1.255	1.556
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.299								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	4.	73.718	5500.	1.	283594.178	532.536	1.	1.	9.5	24.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.602	0.657	3.74	0.	0.421	0.649	0.	0.	0.976	1.38
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.543								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	155	16.	323.355	20000.	2.	5137268.412	2266.554	2.	4.	44.	120.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	155	1.204	1.229	4.301	0.301	0.563	0.75	0.301	0.602	1.643	2.079
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			16.945								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	154	6.	68.565	6000.	1.	243004.626	492.955	1.	2.	20.	61.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	154	0.778	0.852	3.778	0.	0.477	0.691	0.	0.301	1.301	1.785
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.112								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	155	2.	41.742	3500.	1.	82306.115	286.89	1.	1.	10.	41.2
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	155	0.301	0.627	3.544	0.	0.484	0.696	0.	0.	1.	1.613
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.232								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	154	15.5	161.653	6300.	2.	491228.625	700.877	2.	4.	64.	190.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	154	1.19	1.256	3.799	0.301	0.597	0.772	0.301	0.602	1.806	2.278
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			18.013								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	153	6.	72.003	4000.	1.	124581.153	352.961	1.	2.	20.	89.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	153	0.778	0.938	3.602	0.	0.524	0.724	0.	0.301	1.301	1.948
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.667								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	154	4.	21.201	1000.	1.	7376.851	85.889	1.	2.	12.	39.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	154	0.602	0.688	3.	0.	0.4	0.633	0.	0.301	1.079	1.591
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.871								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	161	15.	207.037	11700.	2.5	1377852.039	1173.819	2.5	5.	50.	134.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	161	1.176	1.264	4.068	0.398	0.533	0.73	0.398	0.699	1.699	2.127
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			18.363								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	5.	99.729	5900.	2.5	381336.905	617.525	2.5	2.5	20.	66.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	0.699	0.916	3.771	0.398	0.437	0.661	0.398	0.398	1.301	1.819
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.246								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	154 ##	2.5	12.289	380.	2.5	1314.212	36.252	2.5	2.5	5.	30.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	154 ##	0.398	0.669	2.58	0.398	0.205	0.453	0.398	0.398	0.699	1.477

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			4.663								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	149	24.	238.846	16000.	2.5	1817593.084	1348.181	2.5	5.	72.5	280.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	149	1.38	1.451	4.204	0.398	0.603	0.776	0.398	0.699	1.86	2.447
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			28.263								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	147	10.	163.69	16000.	2.5	1748845.919	1322.439	2.5	2.5	50.	126.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	147	1.	1.155	4.204	0.398	0.528	0.726	0.398	0.398	1.699	2.1
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.304								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	145	5.	23.345	1200.	2.5	10230.054	101.144	2.5	2.5	20.	40.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	145	0.699	0.883	3.079	0.398	0.269	0.519	0.398	0.398	1.301	1.602
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			7.641								

** - 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

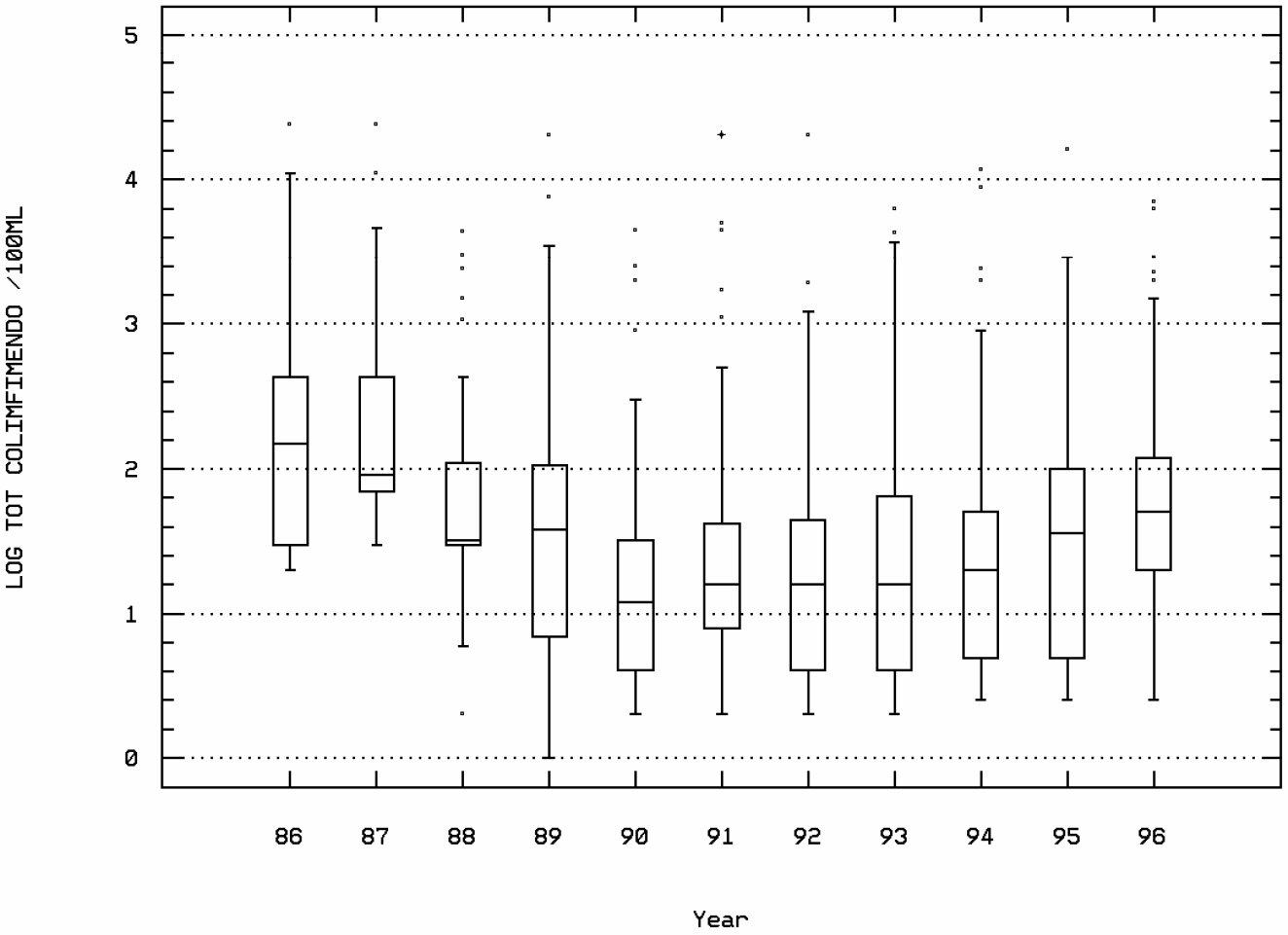
Annual Analysis for 1996 - Station GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	158	50.	222.604	7040.	2.5	677576.207	823.15	5.	10.	100.	300.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	158	1.699	1.576	3.848	0.398	0.53	0.728	0.699	1.	2.	2.477
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			37.687								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	20.	159.359	7000.	2.5	570219.344	755.129	5.	5.	50.	126.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	1.301	1.328	3.845	0.398	0.464	0.681	0.699	0.699	1.699	2.099
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21.267								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	154	10.	23.847	420.	2.5	2303.932	47.999	5.	5.	20.	52.5
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	154	1.	1.027	2.623	0.398	0.229	0.479	0.699	0.699	1.301	1.72
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			10.653								

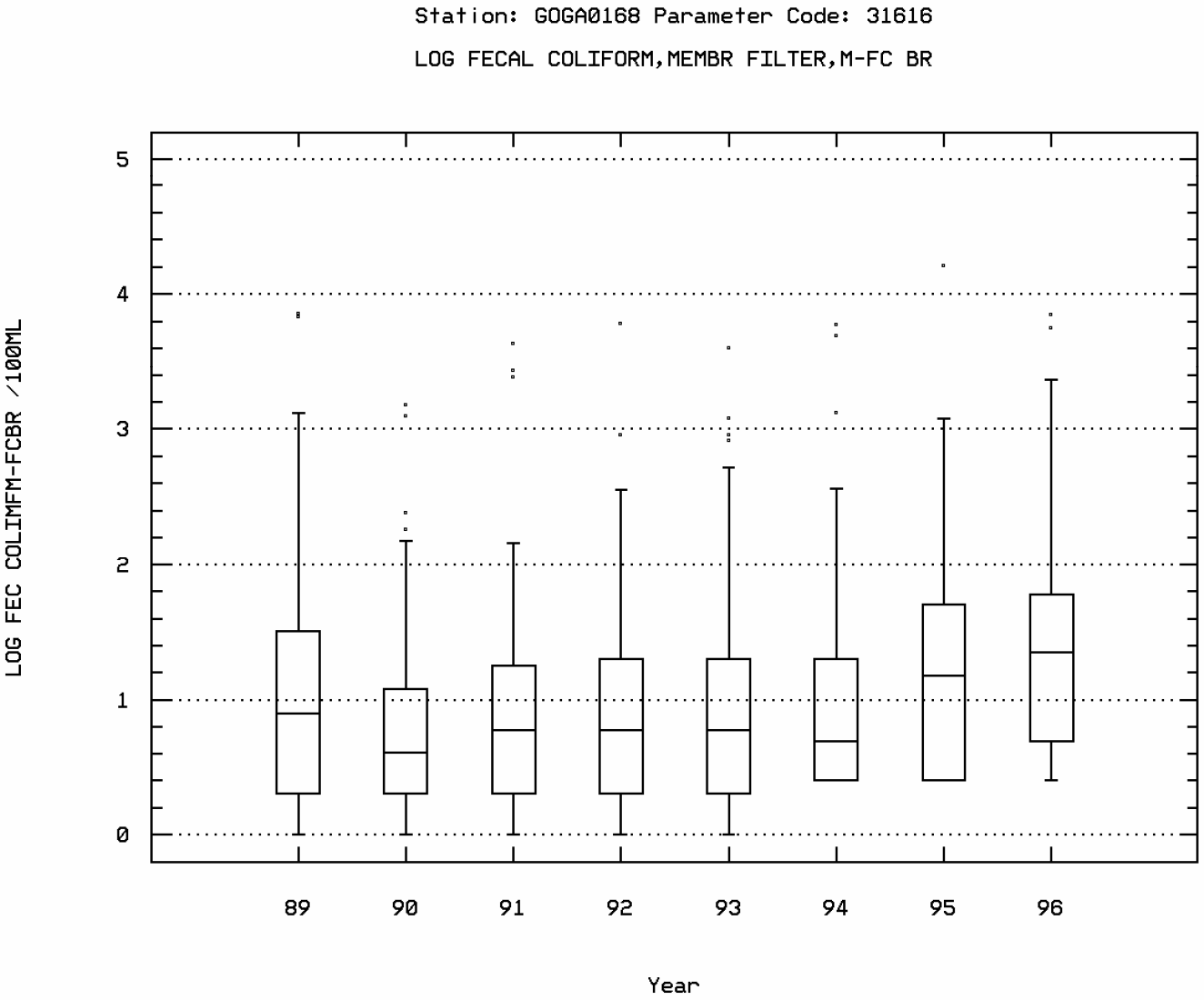
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GOGA0168 Parameter Code: 31501

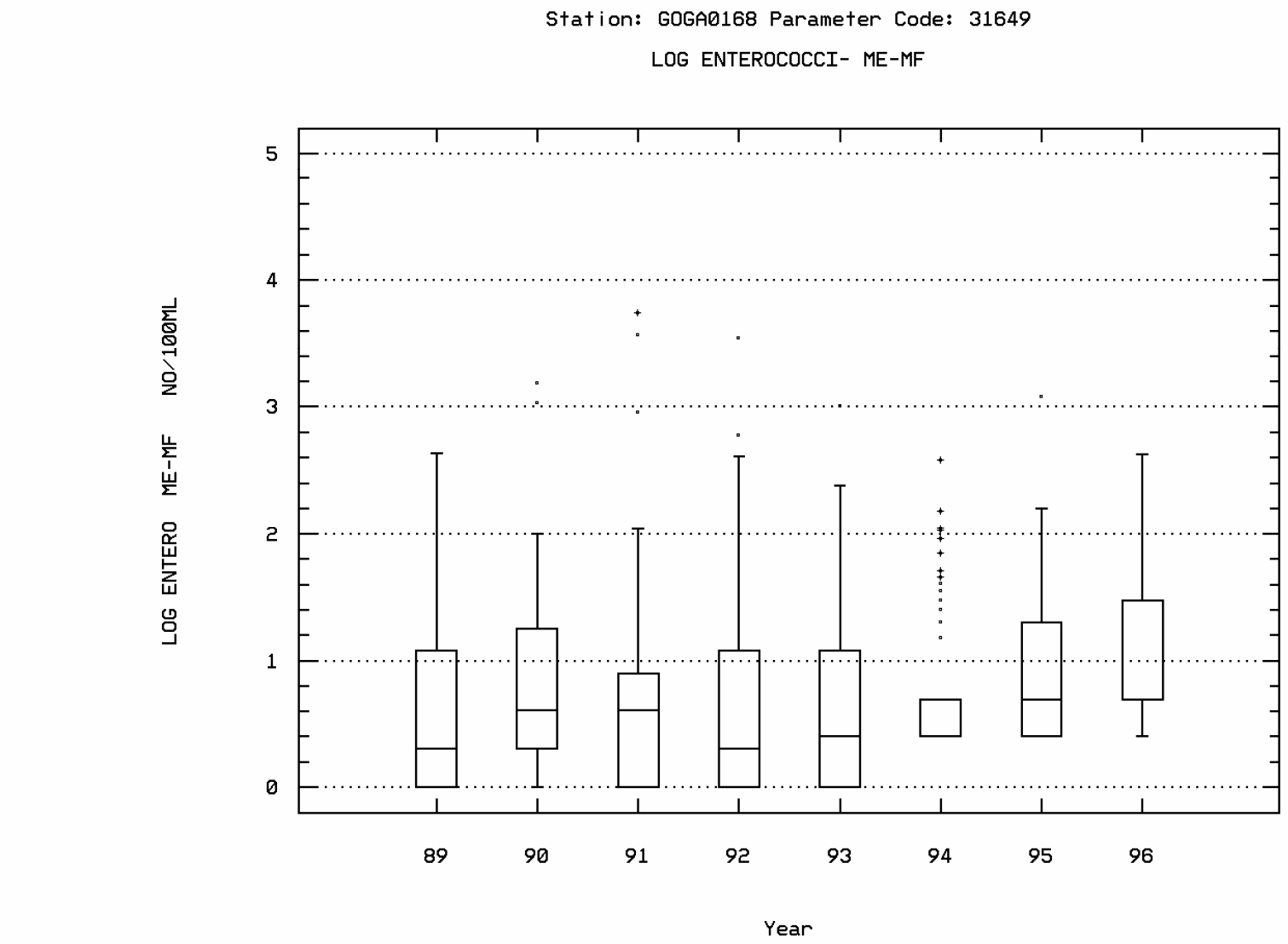
LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



PHELAN BEACH (CHINA BEACH) IN THE SURF



PHELAN BEACH (CHINA BEACH) IN THE SURF



PHELAN BEACH (CHINA BEACH) IN THE SURF

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	509	8.	122.609	20000.	1.	1187770.729	1089.849	2.	4.	20.	60.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	509	0.903	1.03	4.301	0.	0.404	0.636	0.301	0.602	1.301	1.778
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			10.707								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	504	4.	42.804	7000.	1.	168022.177	409.905	1.	2.	10.	48.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	504	0.602	0.722	3.845	0.	0.363	0.602	0.	0.301	1.	1.681
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.274								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	503 ##	2.5	9.941	360.	1.	622.805	24.956	1.	1.	6.	24.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	503 ##	0.398	0.554	2.556	0.	0.287	0.536	0.	0.	0.778	1.38
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			3.584								

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	417	42.	533.326	24000.	2.	6126496.916	2475.176	5.	16.	131.5	820.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	417	1.623	1.725	4.38	0.301	0.621	0.788	0.699	1.204	2.119	2.913
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			53.077								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	317	10.	122.574	6700.	1.	326946.237	571.792	2.	5.	43.	131.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	317	1.	1.183	3.826	0.	0.548	0.74	0.301	0.699	1.633	2.117
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.25								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	311	6.	56.576	5500.	1.	148986.377	385.988	2.	2.5	20.	65.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	311	0.778	0.906	3.74	0.	0.407	0.638	0.301	0.398	1.301	1.813
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			8.048								

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

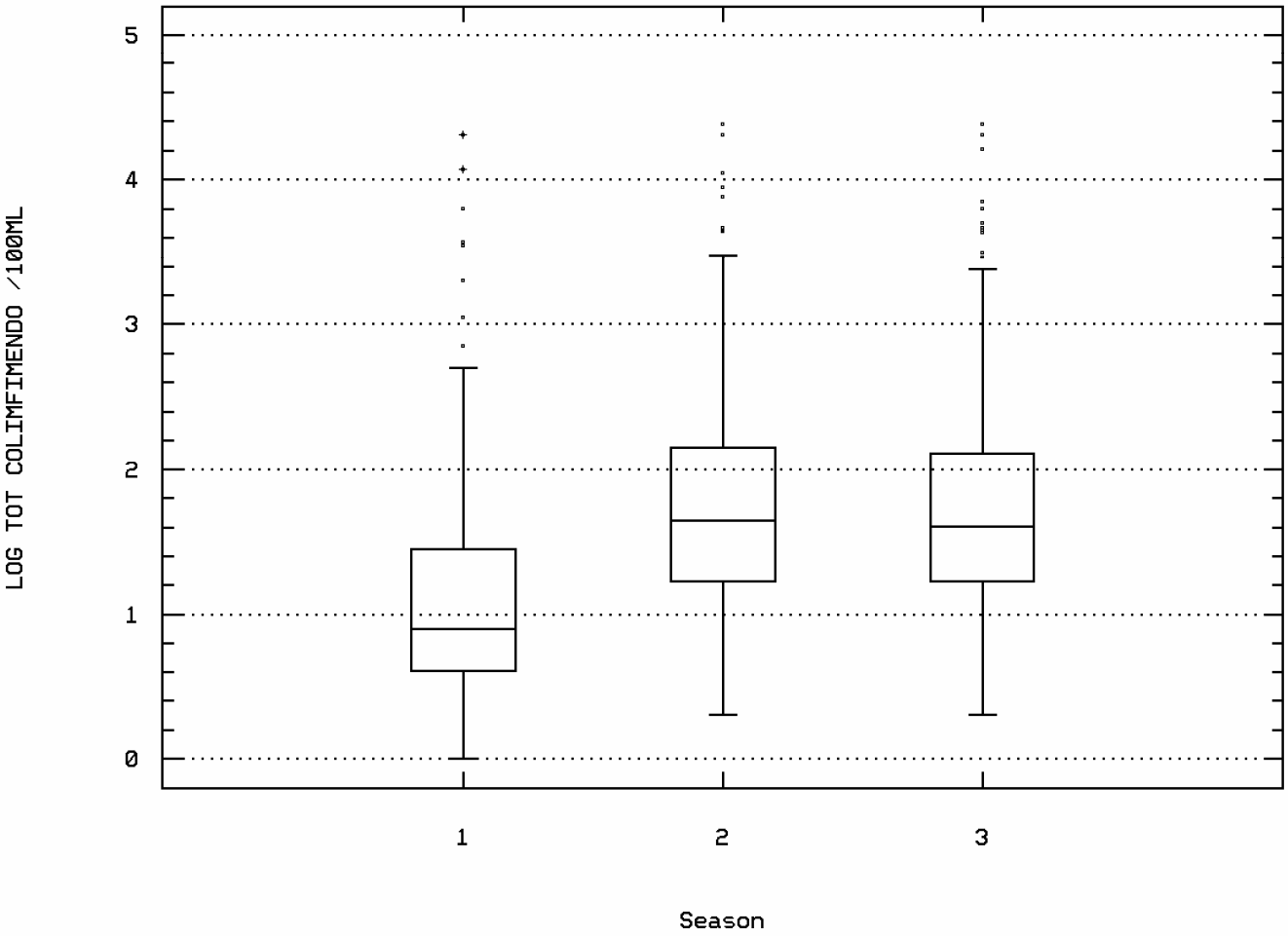
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	561	40.	433.638	24000.	2.	4688253.655	2165.238	4.	16.	120.	430.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	561	1.602	1.674	4.38	0.301	0.599	0.774	0.602	1.204	2.079	2.633
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			47.241								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	411	10.	151.865	16000.	1.	980871.44	990.39	2.	4.	35.	88.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	411	1.	1.12	4.204	0.	0.523	0.723	0.301	0.602	1.544	1.946
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.187								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	413	5.	37.149	3500.	1.	41539.58	203.813	1.	2.5	16.	50.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	413	0.699	0.831	3.544	0.	0.404	0.635	0.	0.398	1.204	1.699
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.77								

** - Less than 9 observations ## - Computed 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: GOGA0168 Parameter Code: 31501

LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



PHELAN BEACH (CHINA BEACH) IN THE SURF

Station Inventory for Station: GOGA0169

NPS Station ID: GOGA0169
LAT/LON: 37.790107/-122.487310
Agency: 11TOX09
Date Created: 05/15/93
Location: SOUTHWESTERN END OF BAKERS BEACH
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/AMBNT/OCEAN/NRSHRE
STORET Station ID(s): CA0037681WQ16
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
RECEIVING WATER MONITORING STATION. LOCATED IN THE SURF AT THE SOUTHWESTERN END OF BAKERS BEACH

Parameter Inventory for Station: GOGA0169

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: GOGA0170

NPS Station ID: GOGA0170
LAT/LON: 37.790003/-122.484177
Agency: 21CAL-1
Date Created: 12/22/79
Location: LOBOS CR AT 25 AVE IN PRESIDIO
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8981010 /2032002
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 1.320
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 25.74
Distance from RF3: 0.63
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 20 ;
STATION NAME: LOBOS CR AT 25 AVE IN PRESIDIO ; DWR COUNTY CODE: 38; LATITUDE: 374724; LONGITUDE: 1222903;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 02S, RANGE 06, SECTION 02GBASE M;
USGS QUADRANGLE NUMBER: . 466; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0170

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: GOGA0171

NPS Station ID: GOGA0171 LAT/LON: 37.790278/-122.485117 Agency: 11NPSWRD Date Created: 12/31/99
Location: BAKER BEACH OPPOSITE SEA CLIFF 2 PUMP STATION FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_SW16
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT BAKER BEACH OPPOSITE SEA CLIFF 2 PUMP STATION. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) SOUTHWEST OCEAN OUTFALL REGIONAL MONITORING PROGRAM AND WERE REPORTED IN THE 1997 AND 1998 ANNUAL REPORTS. THIS PROGRAM REPLACES THE CCSF OCEAN OUTFALL MONITORING PROGRAM AND MONITORS SHORELINE BACTERIOLOGICAL, MARINE SEDIMENT, BENTHIC INFAUNA AND FISH AND EPIBENTHIC INVERTEBRATES. FOR MORE INFORMATION ON THE STUDE, CONTACT CCSF AT TEL. (415) 242-2201. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE PARK AT FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	634	10.	72.696	7100.	5.	119076.275	345.074	5.	5.	43.5	105.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/97-12/29/99	634	1.	1.273	3.851	0.699	0.333	0.577	0.699	0.699	1.638	2.021
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			18.752								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38	10.	55.	600.	5.	13327.027	115.443	5.	5.	52.5	141.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38	1.	1.291	2.778	0.699	0.323	0.569	0.699	0.699	1.719	2.149
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.542								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	74	10.	32.027	180.	5.	2171.862	46.603	5.	5.	40.	120.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/97-03/28/97	74	1.	1.147	2.255	0.699	0.279	0.529	0.699	0.699	1.602	2.079
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			14.024								

** - Less than 9 observations ## - 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: GOGA0171

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	634	8	0.01	254	1	0.00	172	6	0.03	208	1	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	2	0.05				7	1	0.14	31	1	0.03			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	74	20	0.27				14	8	0.57	60	12	0.20			

& - 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: GOGA0172

NPS Station ID: GOGA0172 LAT/LON: 37.790278/-122.485117 Agency: 11NPSWRD Date Created: 12/31/99
Location: BAKER BEACH OPPOSITE SEA CLIFF 2 PUMPING ST FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM16
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT BAKER BEACH IN THE SURF NEAR PARKING LOT PATH. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0172

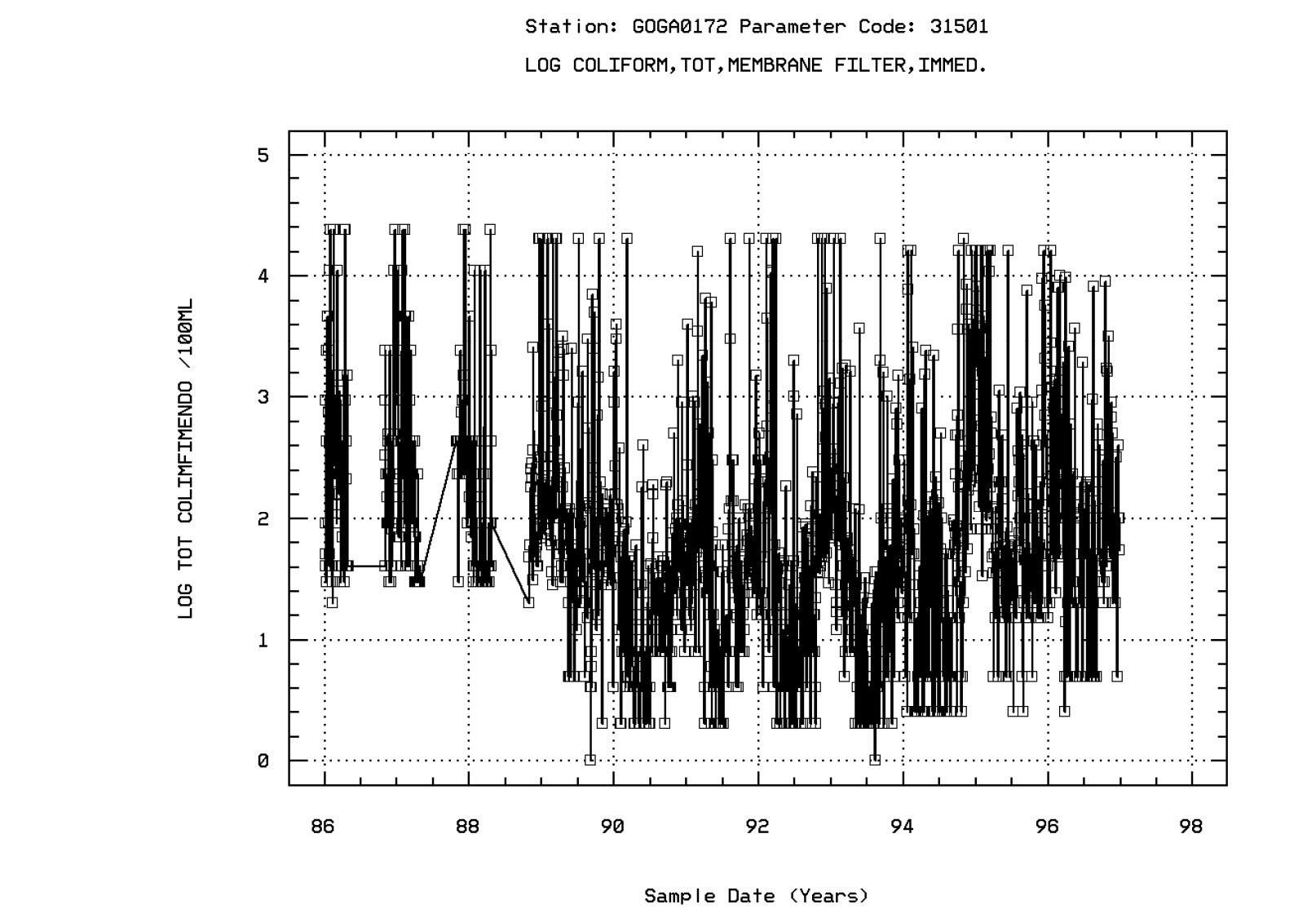
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	1549	50.	1101.128	24000.	1.	14549430.033	3814.372	5.	15.	200.	1500.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	1549	1.699	1.818	4.38	0.	0.893	0.945	0.699	1.176	2.301	3.176
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			65.753								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1258	14.	601.067	20000.	1.	7966157.884	2822.438	2.	5.	50.	271.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	1258	1.146	1.312	4.301	0.	0.825	0.908	0.301	0.699	1.699	2.433
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.49								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	1244	8.	178.496	20000.	1.	1711467.605	1308.231	1.	2.5	30.	110.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	1244	0.903	1.028	4.301	0.	0.624	0.79	0.	0.398	1.477	2.041
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			10.667								

** - Less than 9 observations ## - 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: GOGA0172

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1549	181	0.12	526	25	0.05	452	62	0.14	571	94	0.16			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1258	146	0.12	513	28	0.05	333	53	0.16	412	65	0.16			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	1228 &	267	0.22	503	71	0.14	320	94	0.29	405	102	0.25			

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



BAKER BEACH OPPOSITE SEA CLIFF 2 PUMPIN

Annual Analysis for 1986 - Station GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	93	230.	2110.323	24000.	20.	31490883.59	5611.674	40.	60.	930.	3720.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	93	2.362	2.489	4.38	1.301	0.634	0.796	1.602	1.772	2.968	3.55
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			308.058								

** - 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 1987 - Station GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	77	230.	2366.753	24000.	30.	36662959.057	6054.995	30.	70.	590.	5880.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	77	2.362	2.507	4.38	1.477	0.652	0.807	1.477	1.845	2.754	3.738
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			321.674								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	75	90.	1584.76	24000.	20.	21717234.671	4660.175	30.	40.	257.	4600.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	75	1.954	2.158	4.38	1.301	0.634	0.796	1.477	1.602	2.41	3.663
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			143.93								

** - 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

Annual Analysis for 1989 - Station GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	80.	1235.038	20000.	1.	17477246.399	4180.58	10.	30.	183.75	2345.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.903	1.971	4.301	0.	0.761	0.872	1.	1.477	2.264	3.37
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			93.62								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	19.	790.481	20000.	1.	12332484.342	3511.764	2.	6.	62.	445.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	156	1.278	1.391	4.301	0.	0.872	0.934	0.301	0.778	1.792	2.648
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			24.589								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	8.	262.551	12400.	1.	1645782.443	1282.881	1.	2.	33.	213.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.903	1.027	4.093	0.	0.85	0.922	0.	0.301	1.518	2.328
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			10.635								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	153	20.	252.431	20000.	2.	2792549.628	1671.092	2.8	8.	48.	172.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	153	1.301	1.341	4.301	0.301	0.534	0.731	0.421	0.903	1.681	2.235
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			21.948								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	153	8.	178.464	20000.	1.	2665096.514	1632.512	1.	4.	19.	67.2
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	153	0.903	0.955	4.301	0.	0.505	0.711	0.	0.602	1.278	1.827
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.026								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	154	10.	211.461	20000.	1.	2636284.276	1623.664	1.	2.	43.5	177.5
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	154	1.	1.098	4.301	0.	0.726	0.852	0.	0.301	1.638	2.249
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			12.521								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	157	36.	726.185	20000.	2.	9559924.19	3091.913	4.	12.	94.	520.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	157	1.556	1.627	4.301	0.301	0.72	0.849	0.602	1.079	1.972	2.715
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			42.352								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	14.	405.949	20000.	1.	5628209.356	2372.385	2.	4.	35.	154.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	157	1.146	1.201	4.301	0.	0.701	0.837	0.301	0.602	1.544	2.181
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.871								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	10.	150.596	7800.	1.	516940.746	718.986	1.	2.	41.5	187.2
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	1.	1.065	3.892	0.	0.739	0.859	0.	0.301	1.618	2.272
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			11.619								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	29.	1100.788	20000.	2.	16380742.271	4047.313	3.4	8.	110.	909.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	1.462	1.6	4.301	0.301	0.976	0.988	0.512	0.903	2.041	2.958
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			39.828								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	12.	557.665	20000.	1.	7331896.484	2707.747	1.	4.	40.	184.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	1.079	1.187	4.301	0.	0.902	0.95	0.	0.602	1.602	2.265
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.366								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	6.	139.192	3800.	1.	277923.614	527.185	1.	2.	46.	196.9
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	0.778	1.014	3.58	0.	0.79	0.889	0.	0.301	1.661	2.294
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			10.319								

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Annual Analysis for 1993 - Station GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	164	27.	642.854	20000.	1.	9628020.592	3102.905	2.	8.	78.	700.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	164	1.431	1.474	4.301	0.	0.787	0.887	0.301	0.903	1.892	2.841
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			29.799								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	10.	593.632	20000.	1.	10162684.62	3187.897	2.	4.	28.	142.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	155	1.	1.176	4.301	0.	0.744	0.863	0.301	0.602	1.447	2.153
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.012								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	155	5.	318.013	20000.	1.	5289265.422	2299.84	1.	2.	16.	78.8
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	155	0.699	0.848	4.301	0.	0.635	0.797	0.	0.301	1.204	1.896
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			7.051								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	175	32.	850.169	20000.	2.5	8915328.803	2985.855	2.5	10.	150.	1880.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	175	1.505	1.653	4.301	0.398	0.943	0.971	0.398	1.	2.176	3.274
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			45.013								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	161	10.	444.208	16000.	2.5	3907401.205	1976.715	2.5	5.	50.	250.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	161	1.	1.285	4.204	0.398	0.802	0.895	0.398	0.699	1.699	2.396
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.284								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	155	5.	252.919	16000.	2.5	3319067.355	1821.831	2.5	2.5	15.	91.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	155	0.699	0.921	4.204	0.398	0.531	0.729	0.398	0.398	1.176	1.958

** - 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

Annual Analysis for 1994 - Station GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			8.334								

** - 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 1995 - Station GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	168	80.	1847.792	16000.	2.5	20729698.953	4552.988	10.	25.	467.5	8230.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	168	1.903	2.133	4.204	0.398	0.955	0.977	1.	1.398	2.669	3.915
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			135.725								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	162	40.	1468.318	16000.	2.5	18220629.179	4268.563	5.	15.	155.	4390.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	162	1.602	1.771	4.204	0.398	1.032	1.016	0.699	1.176	2.19	3.635
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			59.07								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	155	15.	45.129	1200.	2.5	12596.168	112.233	2.5	5.	40.	100.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	155	1.176	1.188	3.079	0.398	0.373	0.611	0.398	0.699	1.602	2.
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			15.433								

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

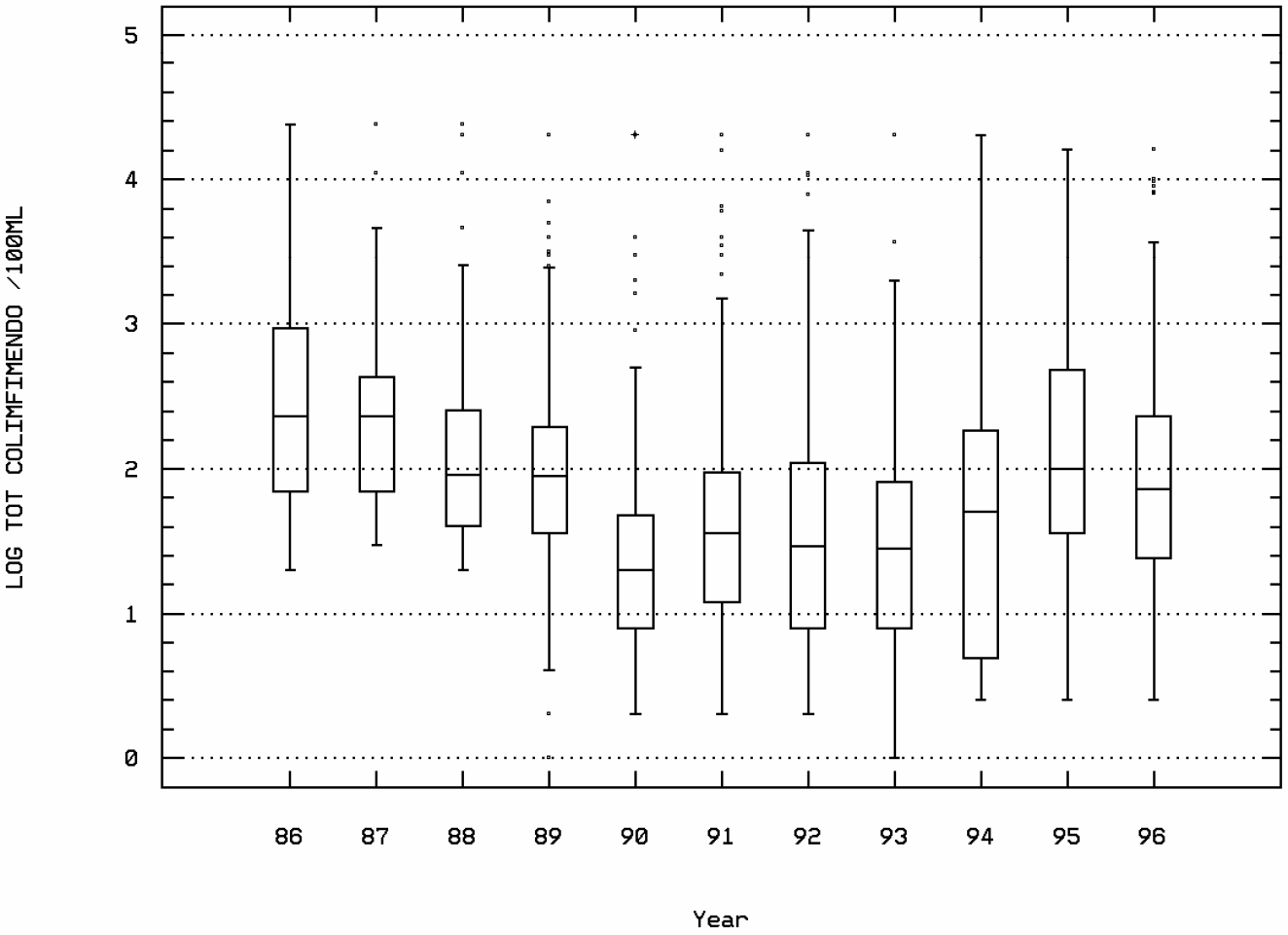
Annual Analysis for 1996 - Station GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	175	50.	723.609	16000.	2.5	5464707.853	2337.671	5.	10.	200.	1480.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	175	1.699	1.842	4.204	0.398	0.763	0.874	0.699	1.	2.301	3.169
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			69.521								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	159	20.	339.324	16000.	2.5	2468741.985	1571.223	5.	5.	100.	380.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	159	1.301	1.498	4.204	0.398	0.632	0.795	0.699	0.699	2.	2.58
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			31.452								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	157 ##	5.	49.873	2200.	2.5	46266.25	215.096	5.	5.	20.	80.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	157 ##	0.699	1.063	3.342	0.398	0.302	0.55	0.699	0.699	1.301	1.903
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			11.569								

** - 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

Station: GOGA0172 Parameter Code: 31501

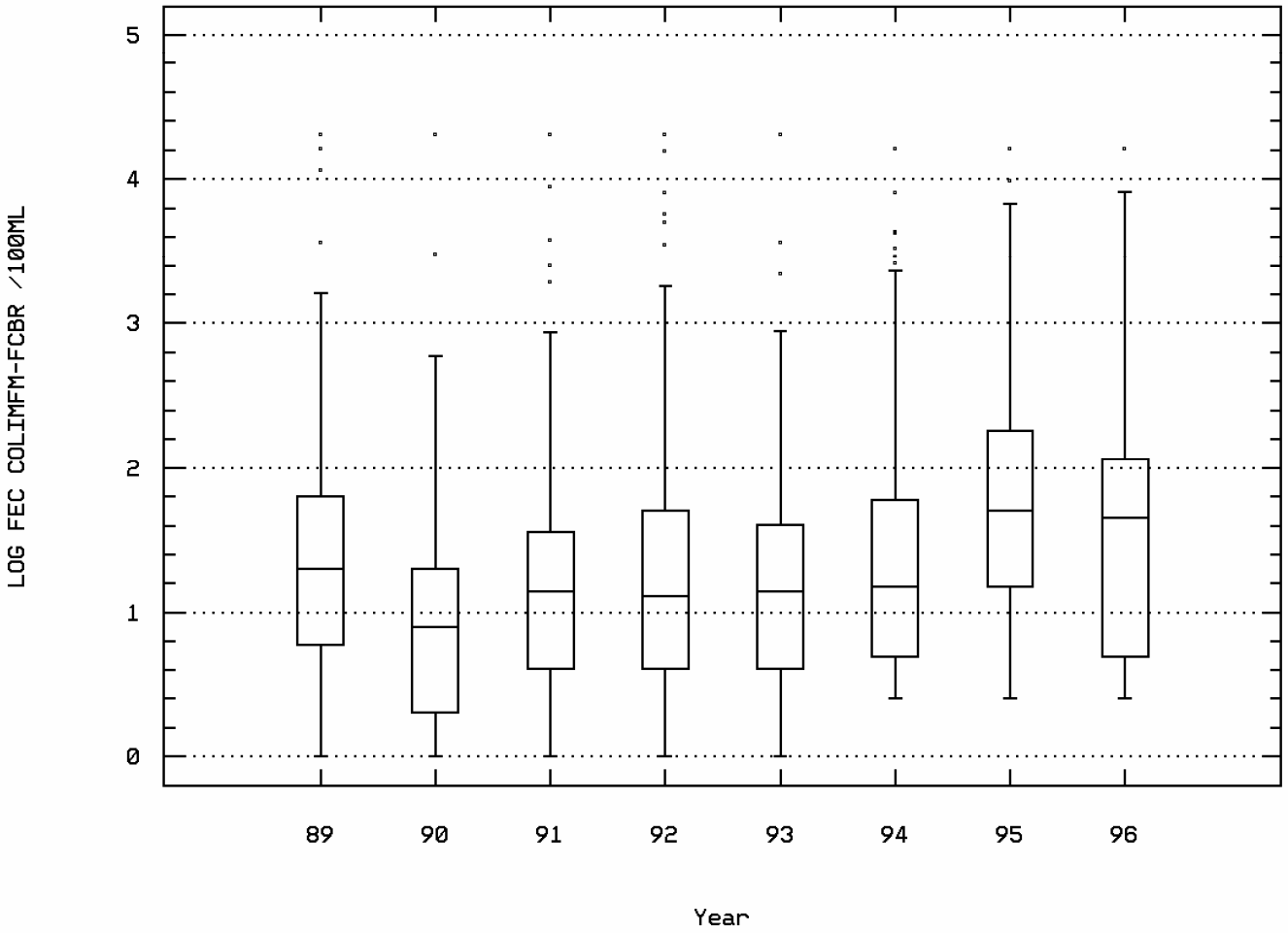
LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



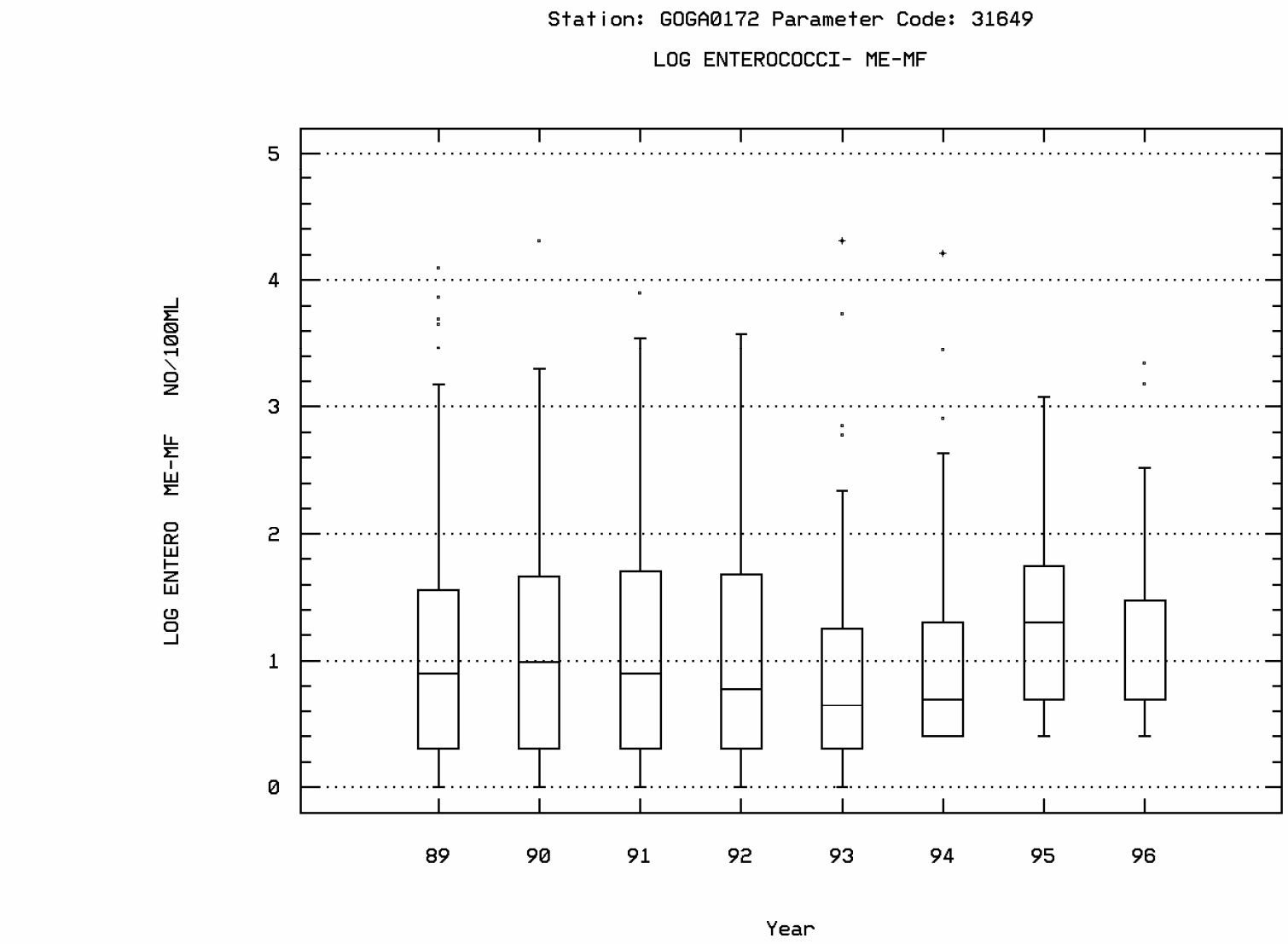
BAKER BEACH OPPOSITE SEA CLIFF 2 PUMPIN

Station: GOGA0172 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



BAKER BEACH OPPOSITE SEA CLIFF 2 PUMPIN



BAKER BEACH OPPOSITE SEA CLIFF 2 PUMPIN

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	526	18.5	387.077	20000.	1.	4445475.473	2108.43	2.5	5.	60.	200.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	526	1.266	1.378	4.301	0.	0.651	0.807	0.398	0.699	1.778	2.301
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			23.851								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	513	8.	204.423	20000.	1.	2572884.756	1604.021	1.	2.5	23.	95.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	513	0.903	0.997	4.301	0.	0.577	0.76	0.	0.398	1.361	1.98
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.94								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	506	5.	52.867	7800.	1.	154513.434	393.082	1.	2.	14.	55.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	506	0.699	0.806	3.892	0.	0.447	0.669	0.	0.301	1.146	1.74
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.39								

** - 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 #2: 10/10 to 1/14 - Station GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	452	80.	1317.789	24000.	2.	17356400.373	4166.101	12.9	30.25	307.5	2056.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	452	1.903	2.067	4.38	0.301	0.74	0.86	1.108	1.481	2.488	3.313
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			116.56								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	333	30.	733.847	20000.	1.	8813344.287	2968.728	5.	10.	100.	560.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	333	1.477	1.598	4.301	0.	0.759	0.871	0.699	1.	2.	2.746
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			39.622								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	325	14.	129.452	7300.	1.	345071.315	587.428	2.	5.	51.	165.6
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	325	1.146	1.242	3.863	0.	0.551	0.743	0.301	0.699	1.707	2.219
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			17.473								

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

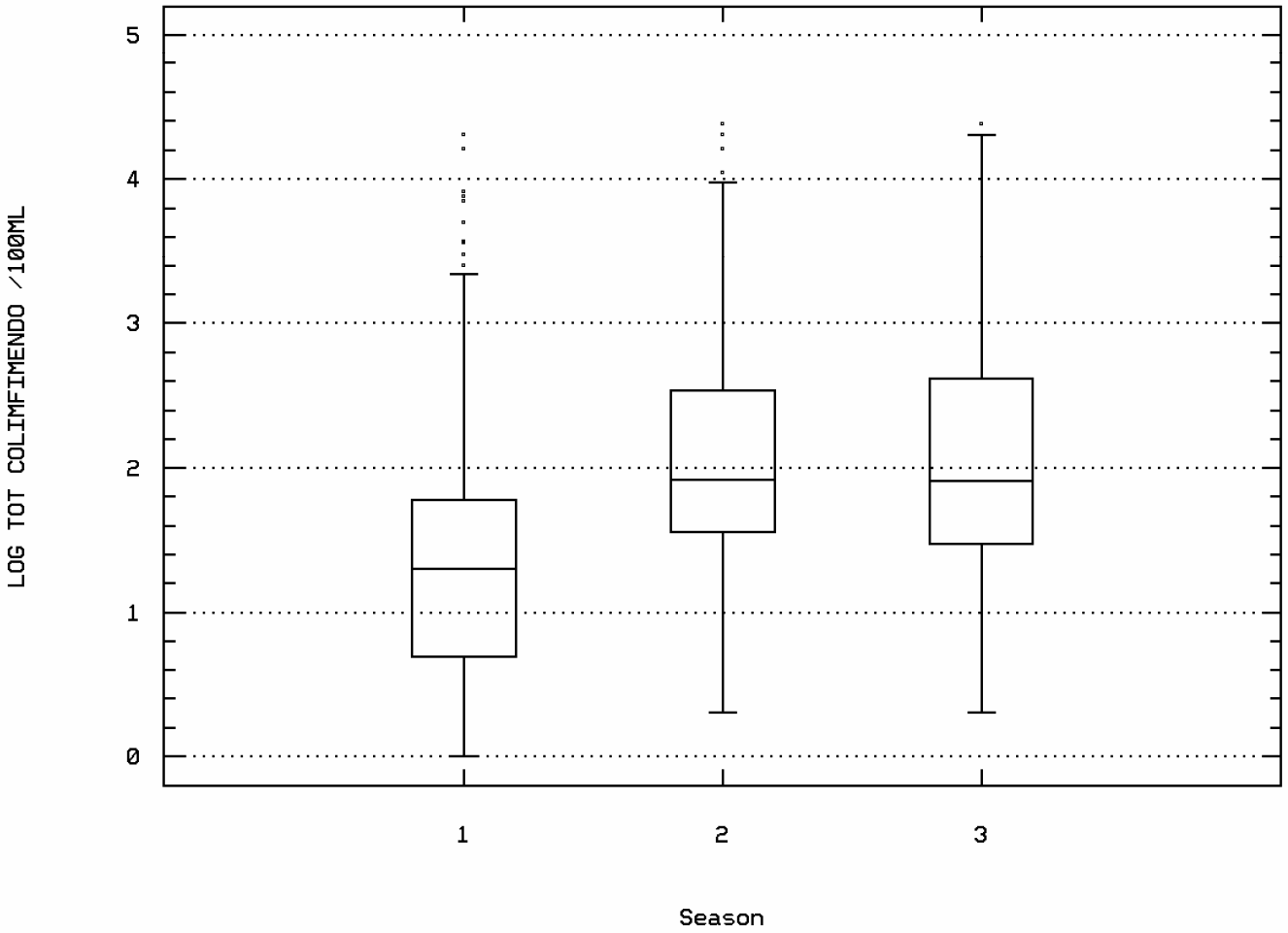
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	571	70.	1587.398	24000.	2.	20941193.349	4576.155	8.	28.	355.	3096.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	571	1.845	2.027	4.38	0.301	0.968	0.984	0.903	1.447	2.55	3.49
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			106.366								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	412	19.	987.627	20000.	1.	13678756.695	3698.48	2.5	5.	84.75	573.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/03/89-12/30/96	412	1.278	1.471	4.301	0.	0.975	0.988	0.398	0.699	1.928	2.757
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			29.593								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	413	10.	371.01	20000.	1.	4644290.41	2155.062	1.	2.5	40.	200.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	413	1.	1.132	4.301	0.	0.794	0.891	0.	0.398	1.602	2.301
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			13.551								

** - 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

Station: GOGA0172 Parameter Code: 31501

LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



BAKER BEACH OPPOSITE SEA CLIFF 2 PUMPIN

Station Inventory for Station: GOGA0173

NPS Station ID: GOGA0173 LAT/LON: 37.790444/-122.484037 Agency: 11NPSWRD Date Created: 07/11/98
Location: LOBOS CREEK 200 FEET INLAND FROM PACIFIC OCEAN FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB95_LC1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LOBOS CREEK APPROXIMATELY 200 FEET INLAND FROM THE PACIFIC OCEAN AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. MEASUREMENTS OF BASIC WATER QUALITY CHARACTERISTICS WERE MADE IN THE FIELD; AND CHEMICAL WATER QUALITY ANALYSES IN THE LAB. ELEMENTAL ANALYSES WERE PERFORMED ON 29 JUNE 1995 AND 30 OCTOBER 1995. THE RESULTS ARE IN THE FINAL REPORT "LOBOS CREEK MONITORING REPORT JUNE 1995-NOVEMBER 1995" BY C.M. CODEMO; A. MILLER; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY- UNIVERSITY OF SAN FRANCISCO; MAY 1996). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL(415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL(970) 225-3516.

Parameter Inventory for Station: GOGA0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/95-11/10/95	10	26.35	27.28	34.5	23.4	12.902	3.592	23.48	25.175	28.475	34.34
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/95-11/10/95	10	27.	26.76	32.3	19.7	18.867	4.344	19.79	23.075	30.7	32.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/95-11/10/95	10	3.	3.1	4.	2.	0.322	0.568	2.1	3.	3.25	4.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/95-11/10/95	10	500.	501.	550.	460.	454.444	21.318	464.	500.	500.	545.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/06/95-11/10/95	10	13.	13.28	16.2	11.4	2.002	1.415	11.41	12.4	14.225	16.01
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/06/95-11/10/95	10	94.	92.8	108.	74.	69.511	8.337	75.4	91.	95.	106.7
00406	PH, FIELD, STANDARD UNITS SU	07/06/95-11/10/95	10	8.05	8.04	8.1	7.9	0.005	0.07	7.91	8.	8.1	8.1
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/06/95-11/10/95	10	8.047	8.035	8.1	7.9	0.005	0.07	7.91	8.	8.1	8.1
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/95-11/10/95	10	0.009	0.009	0.013	0.008	0.	0.002	0.008	0.008	0.01	0.012
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/95-11/10/95	10	160.5	160.5	172.	151.	46.056	6.786	151.3	154.75	165.75	171.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/06/95-11/10/95	10 ##	0.5	1.7	10.	0.5	8.733	2.955	0.5	0.5	1.25	9.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/95-11/10/95	10 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/95-11/10/95	10	7.7	8.007	10.08	7.1	0.873	0.934	7.11	7.313	8.65	9.952
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/06/95-11/10/95	10	0.035	0.04	0.13	0.01	0.001	0.035	0.01	0.018	0.045	0.123
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/95-10/30/95	2	212.	212.	236.	188.	1152.	33.941	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/95-10/30/95	2	28.5	28.5	29.9	27.1	3.92	1.98	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/95-10/30/95	2	34.05	34.05	39.	29.1	49.005	7.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/95-10/30/95	2	34.35	34.35	35.4	33.3	2.205	1.485	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/95-10/30/95	2	1.32	1.32	1.44	1.2	0.029	0.17	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/95-11/10/95	10	50.	50.5	59.	41.	38.5	6.205	41.3	44.75	57.25	58.9
00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/95-11/10/95	10	52.	52.4	65.	48.	24.933	4.993	48.	48.	53.25	63.9
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/29/95-10/30/95	2 ##	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

Parameter Inventory for Station: GOGA0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/29/95-10/30/95	2	21.	21.	27.	15.	72.	8.485	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/29/95-10/30/95	2	93.5	93.5	139.	48.	4140.5	64.347	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/29/95-10/30/95	2	4.5	4.5	7.	2.	12.5	3.536	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/29/95-10/30/95	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/29/95-10/30/95	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/95-10/30/95	2	8.5	8.5	11.	6.	12.5	3.536	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/29/95-10/30/95	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/95-10/30/95	2	8.5	8.5	10.	7.	4.5	2.121	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/29/95-10/30/95	2	10.5	10.5	13.	8.	12.5	3.536	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	06/29/95-10/30/95	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/29/95-10/30/95	2	171.5	171.5	178.	165.	84.5	9.192	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/29/95-10/30/95	2	8.	8.	15.	1.	98.	9.899	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/29/95-10/30/95	2	89.	89.	112.	66.	1058.	32.527	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	06/29/95-10/30/95	2	16400.	16400.	17900.	14900.	4500000.	2121.32	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/29/95-10/30/95	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/29/95-10/30/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	2	1250.	1250.	1600.	900.	245000.	494.975	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/20/95-10/30/95	2	3.079	3.079	3.204	2.954	0.031	0.177	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1200.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	2	105.	105.	130.	80.	1250.	35.355	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/20/95-10/30/95	2	2.009	2.009	2.114	1.903	0.022	0.149	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			101.98								
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/29/95-10/30/95	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/06/95-11/10/95	10	1.15	1.55	4.8	0.6	1.476	1.215	0.62	0.875	1.825	4.51

** - Less than 9 observations ## - 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: GOGA0173

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	10	0	0.00	7	0	0.00	3	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	10	0	0.00	7	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	10	0	0.00	7	0	0.00	3	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	1	0.10	7	1	0.14	3	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	7	0	0.00	3	0	0.00						
		Drinking Water	250.	10	0	0.00	7	0	0.00	3	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	7	0	0.00	3	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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	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						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00	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						
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						
01065	NICKEL, DISSOLVED	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	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						
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	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						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	1	0.50	1	0	0.00	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: GOGA0173

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00	1	0	0.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	10	0	0.00	7	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: GOGA0174

NPS Station ID: GOGA0174 LAT/LON: 37.790499/-122.484200 Agency: 11NPSWRD Date Created: 12/31/99
Location: TERMINUS OF LOBOS CREEK AT BAKER BEACH FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_CCSF_TLC
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), NEAR THE TERMINUS OF LOBOS CREEK. THE FLOW AT THIS PART OF LOBOS CREEK IS CARRIED BY PIPES AND IS DISHCARGED ONTO BAKER BEACH. THIS STATION IS ONE OF A GROUP OF STATIONS MONITORED AT LOBOS CREEK BY THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) AS A PRELIMINARY INVESTIGATION TO IDENTIFY THE SOURCE OF HIGH COLIFORM COUNTS APPEARING DOWNSTREAM AT CCSF SHORELINE STATIONS. LOBOS CREEK DATA ARE REPORTED IN THE CCSF OCEAN OUTFALL MONITORING PROGRAM ANNUAL REPORTS FOR 1993-1996. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA 94123 TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525, TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/05/93-12/29/93	28	1460.	2540.143	8000.	48.	5754226.646	2398.797	199.	880.	4475.	7100.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/05/93-12/29/93	28	3.164	3.168	3.903	1.681	0.286	0.534	2.299	2.943	3.65	3.851
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1471.962								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/05/93-12/29/93	27	600.	904.667	5000.	16.	1169921.846	1081.629	28.	170.	1100.	2200.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/05/93-12/29/93	27	2.778	2.632	3.699	1.204	0.416	0.645	1.442	2.23	3.041	3.336
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			428.226								
31649	ENTEROCOCCI- ME-MF N0/100ML	10/05/93-12/29/93	27	100.	229.815	1400.	10.	107720.157	328.207	19.	60.	200.	840.
31649	LOG ENTEROCOCCI- ME-MF N0/1	10/05/93-12/29/93	27	2.	2.057	3.146	1.	0.279	0.528	1.276	1.778	2.301	2.922
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			113.91								

** - Less than 9 observations ## - 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: GOGA0174

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	28	21	0.75	1	1	1.00	27	20	0.74						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	27	20	0.74	1	1	1.00	26	19	0.73						
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	27	23	0.85	1	1	1.00	26	22	0.85						

& - 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: GOGA0175

NPS Station ID: GOGA0175 LAT/LON: 37.790693/-122.469010 Agency: 11NPSWRD Date Created: 07/11/98
Location: STORM WATER FROM GOLF COURSE UNDER HWY. 1 BRIDGE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM/RUNOFF STORET Station ID(s): GOGA_DM_SL6
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SAMPLES FOR THIS SITE WERE COLLECTED FROM THE STORM RUNOFF AT THE PRESIDIO GOLF COURSE AT WEST PACIFIC AVENUE BENEATH THE HIGHWAY 1 (PARK PRESIDIO) OVERPASS WHICH IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED 23 JANUARY; 6 FEBRUARY; AND 17 FEBRUARY 1994. ALL SAMPLES WERE ANALYZED BY DAMES AND MOORE; 3700 LAKEVILLE HIGHWAY; PETALUMA CALIFORNIA 94954. THE RESULTS ARE IN "PRESIDIO OF SAN FRANCISCO STORM WATER MANAGEMENT PLAN" (PREPARED FOR THE NATIONAL PARK SERVICE; OCTOBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00148	HERBICIDES, TOTAL, WHOLE WATER, MG/L	01/23/94-02/06/94	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00188	CHLORINATED PESTICIDES, TOTAL, AND PCBS, MG/L	01/23/94-02/06/94	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	3 ##	10.	14.667	24.	10.	65.333	8.083	**	**	**	**
00400	PH (STANDARD UNITS)	01/23/94-02/06/94	2	6.95	6.95	7.	6.9	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/23/94-02/06/94	2	6.947	6.947	7.	6.9	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/94-02/06/94	2	0.113	0.113	0.126	0.1	0.	0.018	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/94-02/17/94	3	7.	11.333	25.	2.	146.333	12.097	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	3	0.9	1.917	4.1	0.75	3.581	1.892	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/23/94-02/17/94	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	3 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	3 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	3 ##	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: GOGA0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	3 ##	25.	33.667	51.	25.	225.333	15.011	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	3 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	3	240.	3123.333	9000.	130.	25904433.333	5089.64	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/23/94-02/17/94	3	2.38	2.816	3.954	2.114	0.989	0.995	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			654.836								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	3	50.	64.667	130.	14.	3525.333	59.375	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/94-02/17/94	3	1.699	1.653	2.114	1.146	0.236	0.486	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			44.979								
31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	3 ##	1.	2.	4.	1.	3.	1.732	**	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	01/23/94-02/17/94	3 ##	0.	0.201	0.602	0.	0.121	0.348	**	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			1.587								
71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0175

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	0	0.00							3	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00							3	0	0.00			
		Drinking Water	4.	3	0	0.00							3	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.	3	0	0.00							3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	3	0	0.00							3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00							3	0	0.00			
		Drinking Water	15.	3	0	0.00							3	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00							3	0	0.00			
		Drinking Water	5000.	3	0	0.00							3	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	0 &	0	0.00												
		Drinking Water	6.	0 &	0	0.00												
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	0	0.00							3	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	1	0.33							3	1	0.33			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	3	0	0.00							3	0	0.00			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	3	0	0.00							3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00							3	0	0.00			
		Drinking Water	2.	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: GOGA0176

NPS Station ID: GOGA0176 | LAT/LON: 37.790500/-122.484100 | Agency: 11NPSWRD | Date Created: 12/31/99
Location: LOBOS CREEK NEAR TERMINUS 2ND DISCHARGE PIPE | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_CCSF_LCU3
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), NEAR THE TERMINUS OF LOBOS CREEK. THE FLOW AT THIS PART OF LOBOS CREEK IS CARRIED BY PIPES AND IS DISHCARGED ONTO BAKER BEACH. THIS STATION IS ONE OF A GROUP OF STATIONS MONITORED AT LOBOS CREEK BY THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) AS A PRELIMINARY INVESTIGATION TO IDENTIFY THE SOURCE OF HIGH COLIFORM COUNTS APPEARING DOWNSTREAM AT CCSF SHORELINE STATIONS. LOBOS CREEK DATA ARE REPORTED IN THE CCSF OCEAN OUTFALL MONITORING PROGRAM ANNUAL REPORTS FOR 1993-1996. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA 94123 TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD, 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525, TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0176

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/30/93-11/30/93	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/30/93-11/30/93	1	3.23	3.23	3.23	3.23	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1700.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	1	264.	264.	264.	264.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/30/93-11/30/93	1	2.422	2.422	2.422	2.422	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			264.								
31649	ENTEROCOCCI- ME-MF N0/100ML	11/30/93-11/30/93	1	400.	400.	400.	400.	0.	0.	**	**	**	**
31649	LOG ENTEROCOCCI- ME-MF N0/1	11/30/93-11/30/93	1	2.602	2.602	2.602	2.602	0.	0.	**	**	**	**
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			400.								

** - Less than 9 observations ## - 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: GOGA0176

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	1	1.00				1	1	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	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: GOGA0177

NPS Station ID: GOGA0177 LAT/LON: 37.791166/-122.484225 Agency: 11NPSWRD Date Created: 12/31/99
Location: BAKER BEACH IN THE SURF NEAR PARKING LOT PATH FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_OM15
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT BAKER BEACH IN THE SURF NEAR PARKING LOT PATH. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989-1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0177

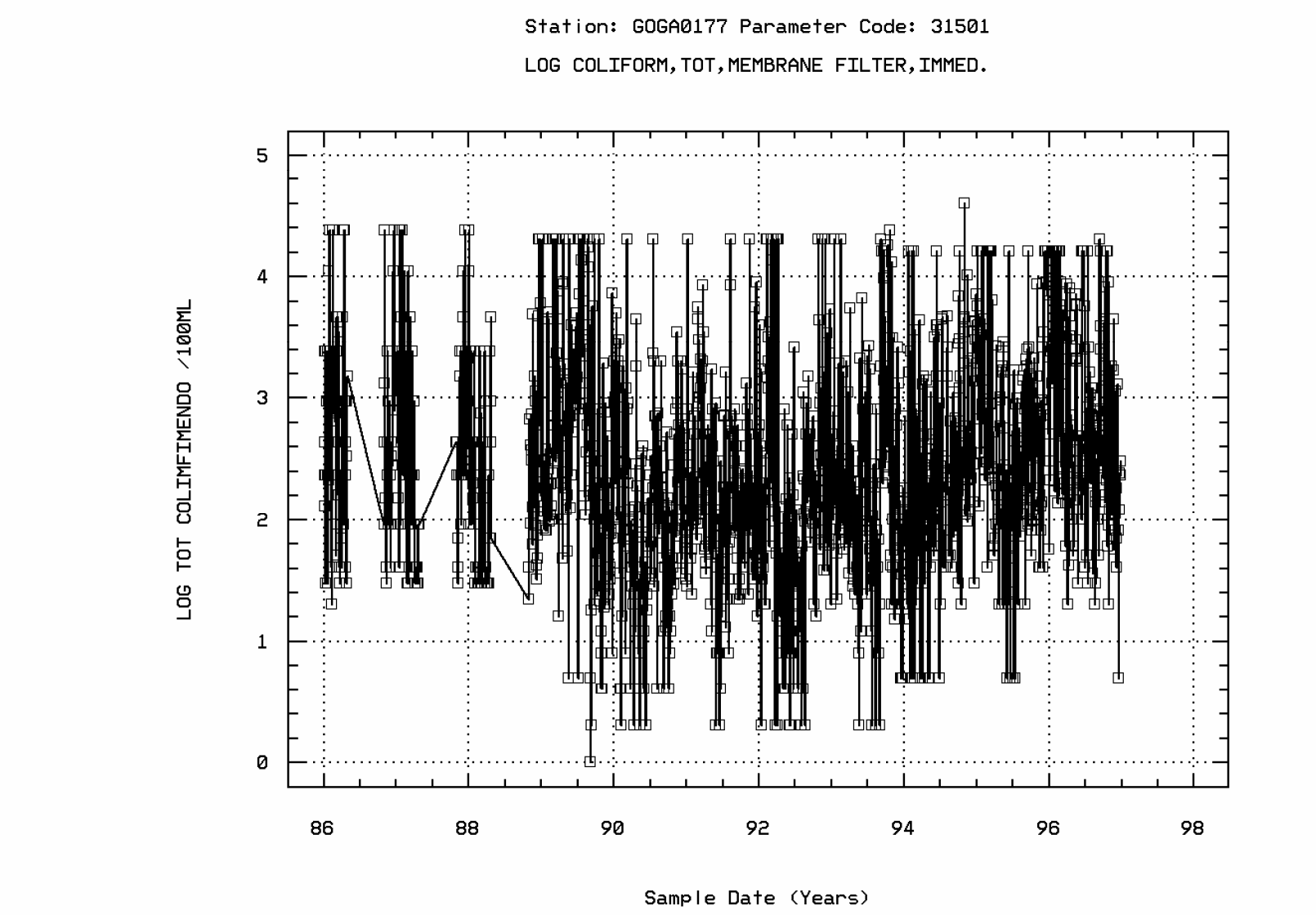
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	1579	230.	1971.686	40000.	1.	22449516.573	4738.092	20.	62.	930.	4600.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	1579	2.362	2.418	4.602	0.	0.837	0.915	1.301	1.792	2.968	3.663
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			261.796								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	1269	80.	1156.551	20000.	1.	13700667.258	3701.441	8.	22.	300.	1700.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	1269	1.903	1.964	4.301	0.	0.85	0.922	0.903	1.342	2.477	3.23
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			91.947								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	1246	44.	445.157	20000.	1.	4903449.595	2214.373	5.	12.	130.	392.9
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	1246	1.643	1.65	4.301	0.	0.651	0.807	0.699	1.079	2.114	2.594
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			44.684								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0177

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1579	390	0.25	541	120	0.22	461	116	0.25	577	154	0.27			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1269	380	0.30	517	137	0.26	337	117	0.35	415	126	0.30			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	1223 &	669	0.55	502	274	0.55	319	183	0.57	402	212	0.53			

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



BAKER BEACH IN THE SURF NEAR PARKING LO

Annual Analysis for 1986 - Station GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	93	430.	2537.204	24000.	20.	35375822.534	5947.758	40.	140.	1500.	4600.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	93	2.633	2.688	4.38	1.301	0.612	0.782	1.602	2.145	3.176	3.663
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			487.168								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	77	230.	2329.221	24000.	30.	31175025.701	5583.46	38.	90.	1400.	5880.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	77	2.362	2.582	4.38	1.477	0.653	0.808	1.577	1.954	3.145	3.738
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			381.551								

** - 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 1988 - Station GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	75	92.	1621.573	24000.	22.	19482308.545	4413.877	30.	40.	750.	4640.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	75	1.964	2.316	4.38	1.342	0.701	0.837	1.477	1.602	2.875	3.666
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			206.889								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	1	30.	30.	30.	30.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	1	1.477	1.477	1.477	1.477	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	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 box-and-whisker plot

Annual Analysis for 1989 - Station GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	330.	3126.346	20000.	1.	36842159.944	6069.774	20.	100.	2000.	18040.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	2.518	2.615	4.301	0.	0.997	0.999	1.301	2.	3.301	4.255
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			411.713								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	156	105.	1716.263	20000.	1.	20114405.834	4484.909	7.4	26.5	585.	5000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	156	2.021	2.116	4.301	0.	1.111	1.054	0.866	1.423	2.767	3.699
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			130.577								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	64.	1021.878	20000.	1.	11627432.83	3409.902	1.7	12.	330.	1718.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	1.806	1.823	4.301	0.	1.172	1.082	0.211	1.079	2.519	3.235
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			66.527								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	154	100.	669.227	20000.	2.	5599682.255	2366.365	8.	29.	352.5	1800.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	154	2.	2.009	4.301	0.301	0.72	0.849	0.903	1.462	2.547	3.255
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			102.008								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	155	40.	267.761	20000.	1.	2634868.611	1623.228	4.	14.	140.	372.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	155	1.602	1.604	4.301	0.	0.62	0.787	0.602	1.146	2.146	2.571
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			40.205								

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Annual Analysis for 1990 - Station GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	155	48.	385.677	20000.	1.	3021190.194	1738.157	4.	16.	160.	442.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	155	1.681	1.706	4.301	0.	0.647	0.804	0.602	1.204	2.204	2.645
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			50.865								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	157	120.	1077.019	20000.	2.	11413087.109	3378.326	22.	54.	500.	1620.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	157	2.079	2.224	4.301	0.301	0.595	0.772	1.342	1.732	2.699	3.209
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			167.399								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	157	60.	515.783	20000.	1.	5112678.414	2261.123	8.	20.	155.	488.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	157	1.778	1.809	4.301	0.	0.568	0.754	0.903	1.301	2.19	2.688
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			64.426								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	56.	262.712	6000.	1.	512636.413	715.986	4.	16.5	189.5	658.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	1.748	1.739	3.778	0.	0.624	0.79	0.602	1.217	2.278	2.818
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			54.789								

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Annual Analysis for 1992 - Station GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	156	122.	1783.545	20000.	2.	24764037.592	4976.348	6.8	33.	500.	3580.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	156	2.086	2.122	4.301	0.301	1.025	1.012	0.813	1.518	2.699	3.553
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			132.304								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	155	50.	986.935	20000.	1.	14737944.152	3839.003	2.	12.	174.	940.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	155	1.699	1.718	4.301	0.	0.958	0.979	0.301	1.079	2.241	2.973
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			52.209								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	156	26.	674.987	20000.	1.	10301912.942	3209.659	2.	10.	99.5	394.4
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	156	1.414	1.496	4.301	0.	0.816	0.903	0.301	1.	1.998	2.596
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			31.353								

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Annual Analysis for 1993 - Station GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	159	140.	1631.774	24000.	2.	19780084.986	4447.481	20.	50.	700.	3100.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	159	2.146	2.254	4.38	0.301	0.833	0.913	1.301	1.699	2.845	3.491
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			179.567								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	156	52.	1085.821	20000.	2.	14928311.697	3863.717	10.	22.5	156.	633.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	156	1.716	1.887	4.301	0.301	0.66	0.813	1.	1.352	2.193	2.8
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			77.072								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	155	36.	599.087	20000.	1.	9170222.656	3028.238	5.	16.	102.	300.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	155	1.556	1.621	4.301	0.	0.595	0.771	0.699	1.204	2.009	2.477
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			41.824								

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Annual Analysis for 1994 - Station GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	176	209.	1544.585	40000.	5.	18240063.33	4270.839	10.	51.5	875.	4060.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	176	2.32	2.339	4.602	0.699	0.816	0.903	1.	1.711	2.941	3.608
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			218.414								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	162	60.	679.12	16000.	2.5	6402448.096	2530.306	5.	20.	192.5	1270.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	162	1.778	1.864	4.204	0.398	0.704	0.839	0.699	1.301	2.284	3.104
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			73.113								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	155	20.	283.129	16000.	2.5	3331186.087	1825.154	5.	5.	60.	160.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	155	1.301	1.357	4.204	0.398	0.495	0.704	0.699	0.699	1.778	2.204
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			22.727								

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Annual Analysis for 1995 - Station GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	186	440.	2472.108	16000.	5.	22366941.588	4729.37	23.5	111.5	1680.	11100.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	186	2.643	2.655	4.204	0.699	0.793	0.89	1.369	2.047	3.225	4.029
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			451.489								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	162	120.	1928.796	16000.	5.	21666149.629	4654.691	10.	50.	560.	7840.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	162	2.079	2.261	4.204	0.699	0.881	0.939	1.	1.699	2.748	3.893
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			182.334								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	155	50.	191.984	8000.	2.5	822833.904	907.102	5.	10.	100.	208.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	155	1.699	1.645	3.903	0.398	0.396	0.629	0.699	1.	2.	2.318
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			44.132								

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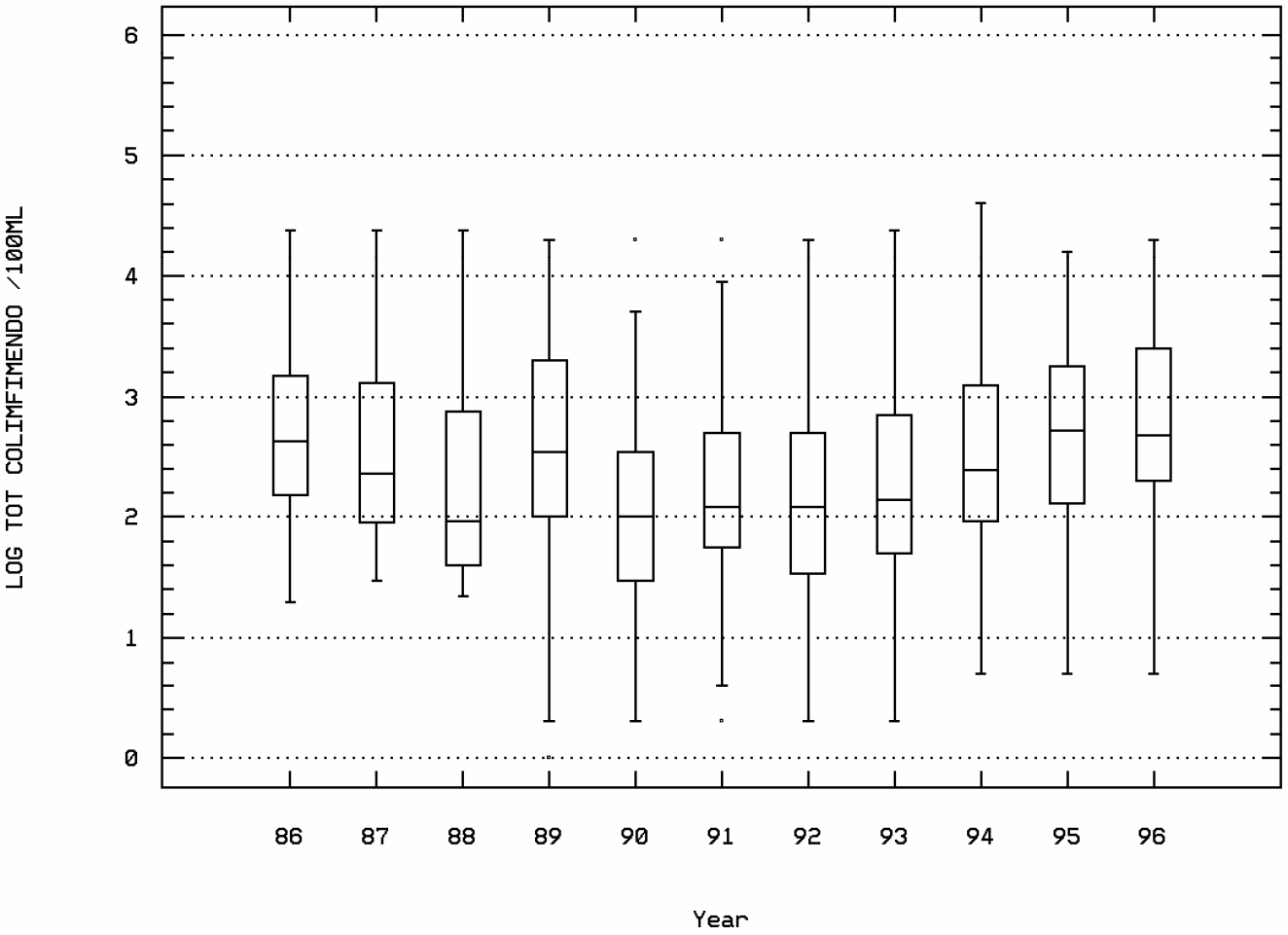
Annual Analysis for 1996 - Station GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	190	480.	2879.774	20000.	5.	25479019.044	5047.675	61.	200.	2525.	16000.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	190	2.681	2.812	4.301	0.699	0.627	0.792	1.785	2.301	3.402	4.204
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			649.182								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	165	200.	2015.576	20000.	5.	21043974.209	4587.371	20.	60.	745.	6320.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	165	2.301	2.416	4.301	0.699	0.787	0.887	1.301	1.778	2.872	3.8
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			260.673								
31649p	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	158	65.	143.608	2500.	5.	71202.189	266.837	10.	30.	200.	260.
31649p	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	158	1.812	1.81	3.398	0.699	0.314	0.561	1.	1.477	2.301	2.415
31649p	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			64.613								

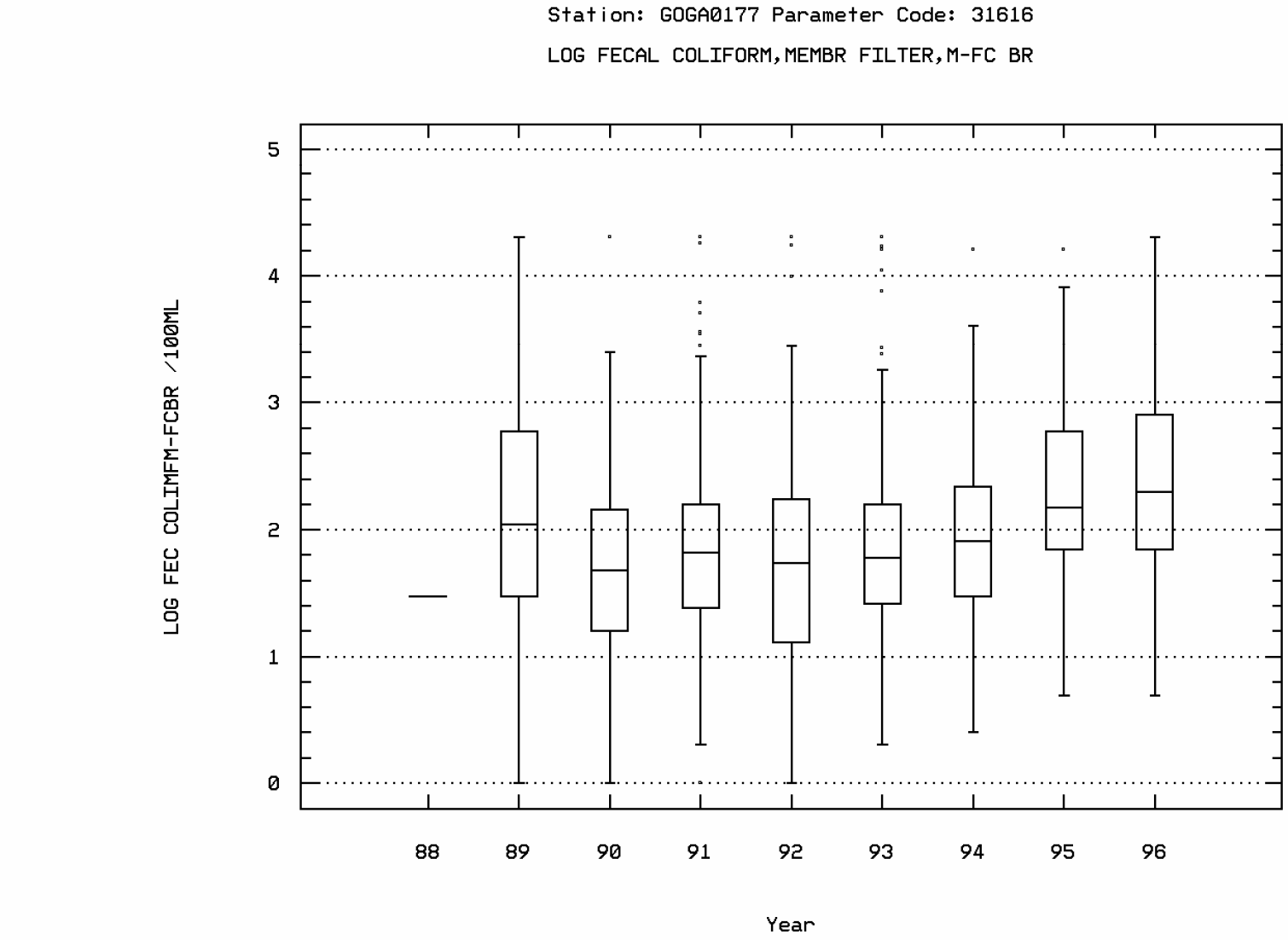
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GOGA0177 Parameter Code: 31501

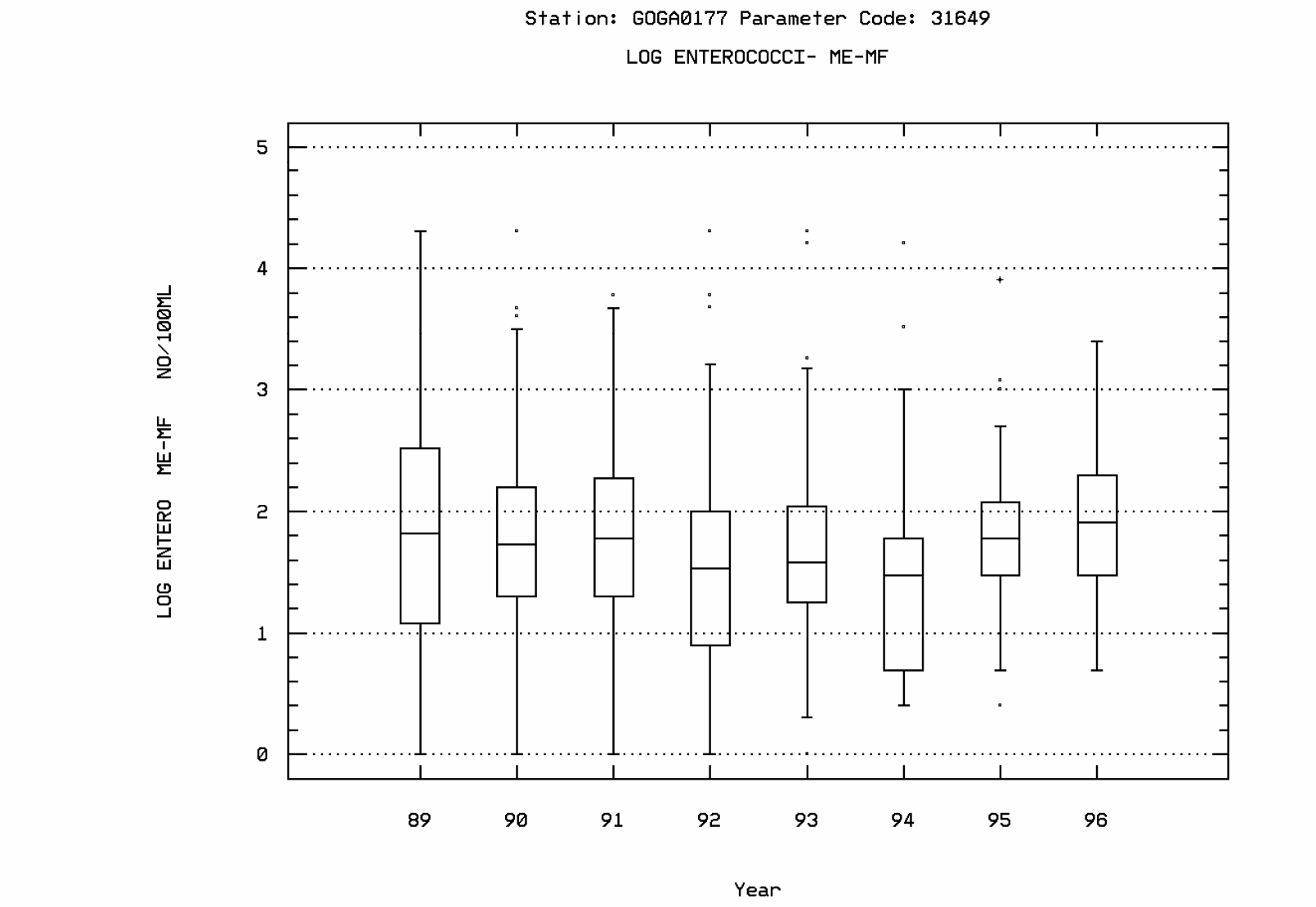
LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



BAKER BEACH IN THE SURF NEAR PARKING LO



BAKER BEACH IN THE SURF NEAR PARKING LO



BAKER BEACH IN THE SURF NEAR PARKING LO

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	541	200.	1590.497	20000.	1.	16492754.302	4061.127	10.	44.	800.	3520.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	541	2.301	2.286	4.301	0.	0.919	0.959	1.	1.643	2.903	3.546
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			193.052								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	517	74.	846.966	20000.	1.	9326968.815	3054.009	5.	18.	208.5	1036.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	517	1.869	1.857	4.301	0.	0.831	0.911	0.699	1.255	2.319	3.015
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			71.999								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	505	42.	331.966	20000.	1.	2749861.337	1658.271	4.6	10.	120.	408.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	505	1.623	1.613	4.301	0.	0.651	0.807	0.66	1.	2.079	2.611
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			41.007								

** - 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 box-and-whisker plot

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station GOGA0177

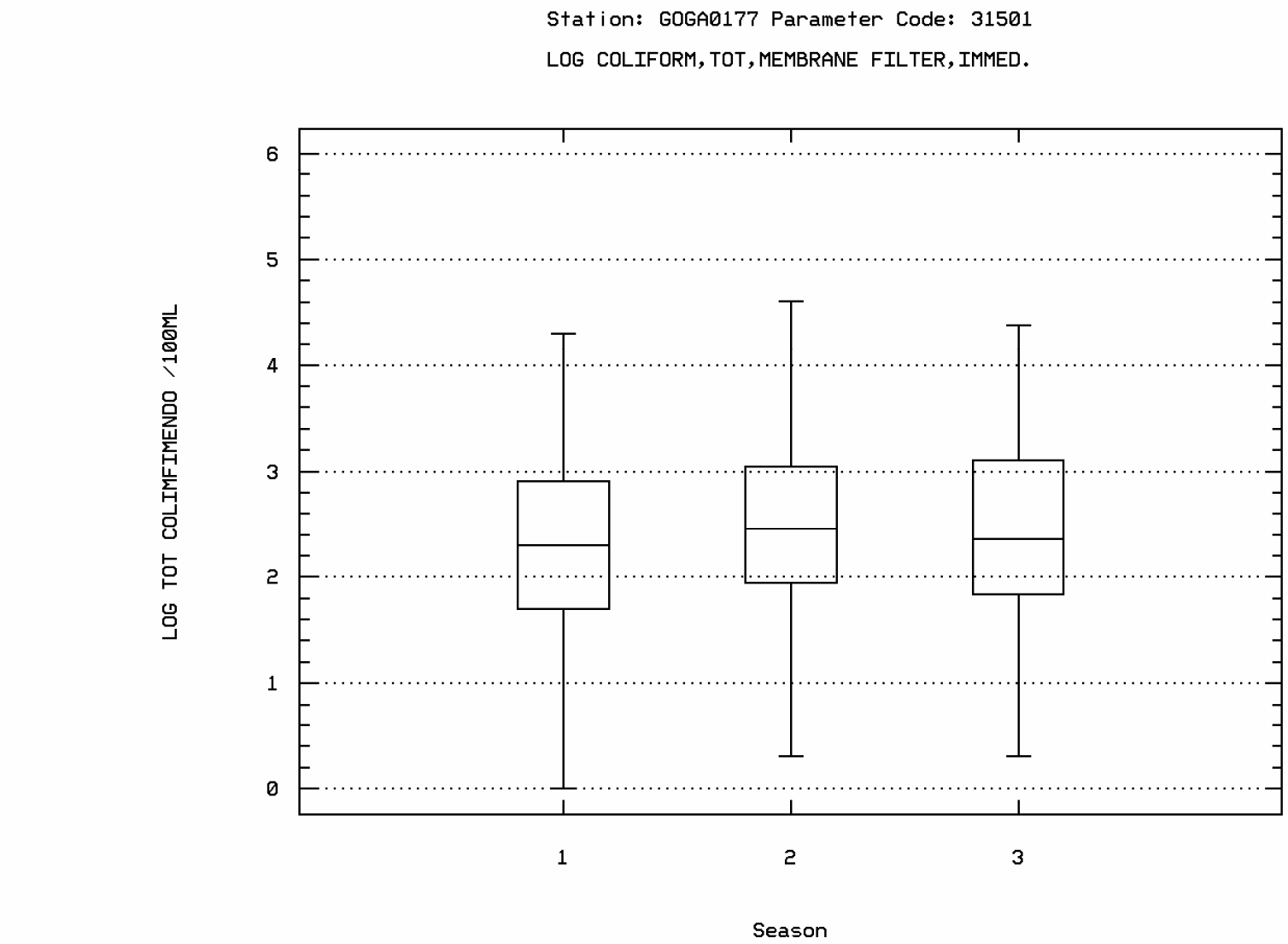
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	461	280.	2003.132	40000.	2.	23622878.824	4860.337	32.	84.	1060.	4680.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	461	2.447	2.512	4.602	0.301	0.698	0.836	1.505	1.924	3.025	3.67
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			324.844								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	337	92.	1090.479	20000.	1.	11572068.071	3401.774	10.	30.	400.	1820.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	337	1.964	2.071	4.301	0.	0.751	0.866	1.	1.477	2.602	3.26
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			117.635								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	327	50.	377.17	20000.	1.	3845349.473	1960.956	5.	18.	145.	340.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	327	1.699	1.717	4.301	0.	0.543	0.737	0.699	1.255	2.161	2.531
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			52.075								

** - 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 #3: 1/15 to 5/14 - Station GOGA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/06/86-12/30/96	577	230.	2303.967	24000.	2.	26927001.355	5189.123	28.8	64.	1240.	7600.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/06/86-12/30/96	577	2.362	2.467	4.38	0.301	0.847	0.92	1.459	1.806	3.093	3.881
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			293.175								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	415	76.	1595.881	20000.	1.	20628971.059	4541.913	8.	26.	280.	3064.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/20/88-12/30/96	415	1.881	2.009	4.301	0.	0.934	0.966	0.903	1.415	2.447	3.486
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			102.086								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/03/89-12/30/96	414	41.	636.926	20000.	1.	8334319.736	2886.922	4.5	10.	130.	380.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/03/89-12/30/96	414	1.613	1.643	4.301	0.	0.733	0.856	0.651	1.	2.114	2.579
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			43.968								

** - 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



BAKER BEACH IN THE SURF NEAR PARKING LO

Station Inventory for Station: GOGA0178

NPS Station ID: GOGA0178 LAT/LON: 37.791166/-122.484225 Agency: 11NPSWRD Date Created: 12/31/99
Location: BAKER BEACH NEAR SEA CLIFF 2 PUMP STATION FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_SW15
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), AT BAKER BEACH NEAR SEA CLIFF 2 PUMP STATION. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) SOUTHWEST OCEAN OUTFALL REGIONAL MONITORING PROGRAM AND WERE REPORTED IN THE 1997 AND 1998 ANNUAL REPORTS. THIS PROGRAM REPLACES THE CCSF OCEAN OUTFALL MONITORING PROGRAM AND MONITORS SHORELINE BACTERIOLOGICAL, MARINE SEDIMENT, BENTHIC INFAUNA AND FISH AND EPIBENTHIC INVERTEBRATES. FOR MORE INFORMATION ON THE STUDE, CONTACT CCSF AT TEL. (415) 242-2201. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE PARK AT FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0178

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/02/97-12/29/99	649	90.	336.143	8600.	5.	421129.814	648.945	5.	30.	390.	1000.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/02/97-12/29/99	649	1.954	1.971	3.934	0.699	0.567	0.753	0.699	1.477	2.591	3.
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			93.461								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38	45.	114.342	700.	5.	30247.528	173.918	9.5	20.	100.	500.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/02/97-03/28/97	38	1.651	1.69	2.845	0.699	0.32	0.566	0.97	1.301	2.	2.699
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			48.982								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/02/97-03/28/97	74	20.	39.189	230.	5.	2203.443	46.941	5.	5.	50.	100.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/02/97-03/28/97	74	1.301	1.323	2.362	0.699	0.247	0.497	0.699	0.699	1.699	2.
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			21.033								

** - Less than 9 observations ## - 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: GOGA0178

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	649	65	0.10	265	37	0.14	172	12	0.07	212	16	0.08			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	7	0.18				7	3	0.43	31	4	0.13			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	74	22	0.30				14	8	0.57	60	14	0.23			

& - 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: GOGA0179

NPS Station ID: GOGA0179
LAT/LON: 37.791112/-122.384736
Agency: 21CAL-6
Date Created: 11/19/88
Location: SF BAY SF PORT PIER 24 BAY BR W-2
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): E0B74752231
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 5.20
On/Off RF1:
RF3 Index: 18050006001525.18
RF3 Mile Point: 27.90
Distance from RF3: 0.35
On/Off RF3:
Description:
SF BAY SF PORT PIER 24 BAY BR W-2 WAS INSTALLED DURING OCTOBER 1981. THE STATION WAS EQUIPPED WITH ONE SPECIFIC CONDUCTANCE SENSOR AT ONE METER BELOW LOW-LOW TIDE. A SECOND SPECIFIC CONDUCTANCE SENSOR WAS INSTALLED AT TEN METERS BELOW LOW-LOW TIDE DURING AUGUST 1982. TWO ADDITIONAL THERMISTORS WERE INSTALLED AT ONE AND TEN METERS BELOW LOW-LOW TIDE DURING OCTOBER 1985.
IF YOU HAVE QUESTIONS, CONTACT CA DEPT WATER RESOURCE, CENTRAL DISTRICT, BAY DELTA ECOLOGICAL STUDIES SECTION (916) 323-8877.

Parameter Inventory for Station: GOGA0179

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: GOGA0180

NPS Station ID: GOGA0180
LAT/LON: 37.791112/-122.384736
Agency: 21CAL-1
Date Created: 04/26/86
Location: SF BAY SF PORT PIER 24 BAY BR W-2
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): E0B74752231
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY BASIN
ECO Region:
RF1 Index: 18050004001
RF1 Mile Point: 52.570
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000202.39
RF3 Mile Point: 3.36
Distance from RF3: 0.11
On/Off RF3:
Description:
SF BAY SF PORT PIER 24 BAY BR W-2

Parameter Inventory for Station: GOGA0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/11/85-06/04/86	13	13.4	13.731	17.	11.3	3.441	1.855	11.34	12.	15.35	16.6
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	04/19/85-07/03/85	5	57.	58.2	63.	56.	8.7	2.95	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/19/85-06/04/86	18	45450.	42582.	49500.	10556.	108922970.824	10436.617	18515.6	43555.	47875.	49320.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/19/85-06/04/86	18	45150.	40983.333	48200.	10300.	104734411.765	10233.983	17680.	39600.	46950.	47390.
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/19/85-06/04/86	18	17550.	16021.667	18400.	3720.	16260991.176	4032.492	7005.	16275.	18200.	18400.

** - Less than 9 observations ## - 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: GOGA0180

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.

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

Station Inventory for Station: GOGA0181

NPS Station ID: GOGA0181
LAT/LON: 37.792114/-122.482617
Agency: 11TOX09
Date Created: 05/15/93
Location: MOUTH OF LOBOS CREEK SURF
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/AMBNT/OCEAN/NRSHRE
STORET Station ID(s): CA0037681WQ15
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050006
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050006
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
DATA COLLECTED FROM RECEIVING WATER MONITORING AS REQUIRED BY NPDES PERMIT. STATION IN THE SURF AT THE MOUTH OF LOBOS CREEK

Parameter Inventory for Station: GOGA0181

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: GOGA0182

NPS Station ID: GOGA0182 | LAT/LON: 37.793331/-122.454533 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: EL POLIN SPRING (MACARTHUR AVE AT EL POLIN LOOP) | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): GOGA_DM_SL5
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT EL POLIN SPRING LOCATED ON MACARTHUR AVENUE AT EL POLIN LOOP WHICH IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED 23 JANUARY; 6 FEBRUARY; AND 17 FEBRUARY 1994. ALL SAMPLES WERE ANALYZED BY DAMES AND MOORE; 3700 LAKEVILLE HIGHWAY; PETALUMA CALIFORNIA 94954. THE RESULTS ARE IN "PRESIDIO OF SAN FRANCISCO STORM WATER MANAGEMENT PLAN" (PREPARED FOR THE NATIONAL PARK SERVICE; OCTOBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0182

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	01/23/94-02/17/94	3 ##	2.5	3.333	5.	2.5	2.083	1.443	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	3	79.	71.667	95.	41.	769.333	27.737	**	**	**	**
00400	PH (STANDARD UNITS)	01/23/94-02/06/94	2	7.95	7.95	8.	7.9	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/23/94-02/06/94	2	7.947	7.947	8.	7.9	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/94-02/06/94	2	0.011	0.011	0.013	0.01	0.	0.002	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/94-02/17/94	3	120.	95.333	160.	6.	6385.333	79.908	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	3	1.9	1.433	2.2	0.2	1.163	1.079	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/23/94-02/17/94	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	3	150.	115.	170.	25.	6175.	78.581	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	3 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	3 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	3	160.	140.	210.	50.	6700.	81.854	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	3 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/23/94-02/17/94	3 ##	2.5	2.533	2.6	2.5	0.003	0.058	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	3	16000.	15866.667	30000.	1600.	201653333.333	14200.469	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: GOGA0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/23/94-02/17/94	3	4.204	3.962	4.477	3.204	0.449	0.67	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			9157.714								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	3	300.	680.	1600.	140.	641200.	800.75	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/94-02/17/94	3	2.477	2.609	3.204	2.146	0.293	0.541	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			406.559								
31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	3	130.	110.	170.	30.	5200.	72.111	**	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	01/23/94-02/17/94	3	2.114	1.941	2.23	1.477	0.164	0.406	**	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			87.198								
71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0182

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------5/15-10/09---------- Obs	Exceed	Prop.	----------10/10-1/14---------- Obs	Exceed	Prop.	----------1/15-5/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	0	0.00							3	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00							3	0	0.00			
		Drinking Water	4.	3	0	0.00							3	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.	3	2	0.67							3	2	0.67			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	3	0	0.00							3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00							3	0	0.00			
		Drinking Water	15.	3	0	0.00							3	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	2	0.67							3	2	0.67			
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00							3	0	0.00			
		Drinking Water	5000.	3	0	0.00							3	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	0 &	0	0.00												
		Drinking Water	6.	0 &	0	0.00												
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	0	0.00							3	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	3	1.00							3	3	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	3	2	0.67							3	2	0.67			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	3	2	0.67							3	2	0.67			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00							3	0	0.00			
		Drinking Water	2.	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: GOGA0183

NPS Station ID: GOGA0183
LAT/LON: 37.796331/-122.379729
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BAY BRIDGE SUPPORT B
FIPS State/County: 06001 CALIFORNIA/ALAMEDA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000045
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004001
RF1 Mile Point: 52.770
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002017300.00
RF3 Mile Point: 4.03
Distance from RF3: 0.59
On/Off RF3:
Description:
EAST BAY MUNICIPAL UTILITY DISTRICT, SPECIAL DISTRICT NO. 1, ALAMEDA COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY AT THE SF BAY BRIDGE AND 300 FT FROM BRIDGE SUPPORT B TOWARD BRIDGE SUPPORT C. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THIS STATION IS LABELED 16 BY EAST BAY MUD.

Parameter Inventory for Station: GOGA0183

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: GOGA0184

NPS Station ID: GOGA0184 | LAT/LON: 37.796669/-122.459233 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: STORM WATER FROM INFANTRY TERRACE | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM/RUNOFF | STORET Station ID(s): GOGA_DM_SL3
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SAMPLES FOR THIS SITE WERE COLLECTED FROM THE STORM RUNOFF AT THE INFANTRY TERRACE NEAR ARGUELLO BLVD. WHICH IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED 23 JANUARY; 6 FEBRUARY; AND 17 FEBRUARY 1994. ALL SAMPLES WERE ANALYZED BY DAMES AND MOORE; 3700 LAKEVILLE HIGHWAY; PETALUMA CALIFORNIA 94954. THE RESULTS ARE IN "PRESIDIO OF SAN FRANCISCO STORM WATER MANAGEMENT PLAN" (PREPARED FOR THE NATIONAL PARK SERVICE; OCTOBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0184

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	01/23/94-02/17/94	3	8.	8.	9.	7.	1.	1.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	3	82.	130.667	250.	60.	10801.333	103.929	**	**	**	**
00400	PH (STANDARD UNITS)	01/23/94-01/23/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/23/94-01/23/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/94-01/23/94	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/94-02/17/94	3	120.	163.	350.	19.	28777.	169.638	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	3	2.6	2.3	3.	1.3	0.79	0.889	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/23/94-02/17/94	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	3 ##	25.	47.333	92.	25.	1496.333	38.682	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	3 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	3 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	3	94.	129.667	270.	25.	15960.333	126.334	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	3 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	02/17/94-02/17/94	1 ##	2.45	2.45	2.45	2.45	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	3	24000.	66666.667	160000.	16000.	6549333333.333	80927.951	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/23/94-02/17/94	3	4.38	4.596	5.204	4.204	0.285	0.534	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			39459.393								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	3	5000.	4133.333	5000.	2400.	2253333.333	1501.111	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/94-02/17/94	3	3.699	3.593	3.699	3.38	0.034	0.184	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			3914.868								
31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	3	2400.	2533.333	3000.	2200.	173333.333	416.333	**	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	01/23/94-02/17/94	3	3.38	3.4	3.477	3.342	0.005	0.069	**	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			2511.414								
71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0184

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	0	0.00							3	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00							3	0	0.00			
		Drinking Water	4.	3	0	0.00							3	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.	3	0	0.00							3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	1	1.00							1	1	1.00			
		Drinking Water	1300.	3	0	0.00							3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00							3	0	0.00			
		Drinking Water	15.	3	0	0.00							3	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	1	0.33							3	1	0.33			
		Drinking Water	5000.	3	0	0.00							3	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	0 &	0	0.00												
		Drinking Water	6.	0 &	0	0.00												
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	0	0.00							3	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	3	1.00							3	3	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	3	3	1.00							3	3	1.00			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	3	3	1.00							3	3	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00							3	0	0.00			
		Drinking Water	2.	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: GOGA0185

NPS Station ID: GOGA0185
LAT/LON: 37.796664/-122.377784
Agency: 21CAL-1
Date Created: 08/27/76
Location: S.F. BAY NR SF-OAK BR OFF RINCON
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): E0B74782227 /2041008
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: SAN FRANCISCO BAY AREA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY
ECO Region:
RF1 Index: 18050004001
RF1 Mile Point: 52.770
Distance from RF1: 16.40
On/Off RF1: OFF
RF3 Index: 18050002017300.00
RF3 Mile Point: 3.15
Distance from RF3: 0.10
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 1 ;
STATION NAME: S.F. BAY NR SF-OAK BR OFF RINCON ; DWR COUNTY CODE: 38; LATITUDE: 374748; LONGITUDE: 1222240;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01S, RANGE 05, SECTION 35QBASE M;
USGS QUADRANGLE NUMBER: . 466; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS: A SF-21 %SWRCB<

Parameter Inventory for Station: GOGA0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/75-06/19/75	4	15.6	15.65	16.	15.4	0.07	0.265	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/19/75-06/19/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/19/75-06/19/75	4	42500.	41700.	43200.	38600.	4440000.	2107.131	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/19/75-06/19/75	4	9.2	9.25	9.5	9.1	0.03	0.173	**	**	**	**
00400	PH (STANDARD UNITS)	06/19/75-06/19/75	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/19/75-06/19/75	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/75-06/19/75	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/19/75-06/19/75	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	06/19/75-06/19/75	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	06/19/75-06/19/75	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/75-06/19/75	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/19/75-06/19/75	1	0.07	0.07	0.07	0.07	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: GOGA0185

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
00400	PH	Marine Chronic	8.5	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: GOGA0186

NPS Station ID: GOGA0186 LAT/LON: 37.799165/-122.447425 Agency: 11NPSWRD Date Created: 07/11/98
Location: STORM WATER FROM EDIE ROAD AND O'REILLY AVENUE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM/RUNOFF STORET Station ID(s): GOGA_DM_SL4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SAMPLES FOR THIS SITE WERE COLLECTED FROM THE STORM RUNOFF AT THE LETTERMAN ARMY INSTITUTE OF RESEARCH PARKING AREA AT EDIE ROAD AND O'REILLY AVENUE WHICH IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED 23 JANUARY; 6 FEBRUARY; AND 17 FEBRUARY 1994. ALL SAMPLES WERE ANALYZED BY DAMES AND MOORE; 3700 LAKEVILLE HIGHWAY; PETALUMA CALIFORNIA 94954. THE RESULTS ARE IN "PRESIDIO OF SAN FRANCISCO STORM WATER MANAGEMENT PLAN" (PREPARED FOR THE NATIONAL PARK SERVICE; OCTOBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0186

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	01/23/94-02/17/94	3	7.	7.167	12.	2.5	22.583	4.752	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	3	54.	58.667	95.	27.	1172.333	34.239	**	**	**	**
00400	PH (STANDARD UNITS)	01/23/94-02/06/94	2	8.15	8.15	8.5	7.8	0.245	0.495	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/23/94-02/06/94	2	8.022	8.022	8.5	7.8	0.278	0.527	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/94-02/06/94	2	0.01	0.01	0.016	0.003	0.	0.009	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/06/94-02/17/94	2	60.5	60.5	110.	11.	4900.5	70.004	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	3	0.75	1.5	3.	0.75	1.688	1.299	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/06/94-02/17/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	3 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	3 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	3	140.	115.	180.	25.	6475.	80.467	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	3 ##	100.	100.	100.	100.	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: GOGA0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/23/94-02/17/94	3 ##	3.05	5.05	9.6	2.5	15.603	3.95	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	3	70000.	131333.333	300000.	24000.21865333333.333		147869.312	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/23/94-02/17/94	3	4.845	4.901	5.477	4.38	0.303	0.551	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			79581.144								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	3	70000.	125000.	300000.	5000.24025000000.		155000.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/94-02/17/94	3	4.845	4.674	5.477	3.699	0.812	0.901	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			47176.94								
31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	3	70000.	125000.	300000.	5000.24025000000.		155000.	**	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	01/23/94-02/17/94	3	4.845	4.674	5.477	3.699	0.812	0.901	**	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			47176.94								
71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0186

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	0	0.00							3	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00							3	0	0.00			
		Drinking Water	4.	3	0	0.00							3	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.	3	0	0.00							3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	3	0	0.00							3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00							3	0	0.00			
		Drinking Water	15.	3	0	0.00							3	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	2	0.67							3	2	0.67			
		Drinking Water	5000.	3	0	0.00							3	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	0 &	0	0.00												
		Drinking Water	6.	0 &	0	0.00												
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	0	0.00							3	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	3	1.00							3	3	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	3	3	1.00							3	3	1.00			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	3	3	1.00							3	3	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00							3	0	0.00			
		Drinking Water	2.	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: GOGA0187

NPS Station ID: GOGA0187
LAT/LON: 37.800002/-122.370009
Agency: 112WRD
Date Created: 07/18/78
Location: SAN FRANCISCO BAY A BAY BRIDGE CA
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 374800122221201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050004
RF1 Mile Point: 0.000
Distance from RF1: 4.70
On/Off RF1:
RF3 Index: 18050002000202.39
RF3 Mile Point: 2.82
Distance from RF3: 0.18
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/77-12/21/78	352	13.4	13.626	17.2	9.4	3.152	1.775	11.73	12.6	14.9	16.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/01/78-12/21/78	324	44800.	43237.037	49100.	21100.	31970017.2	5654.203	36300.	40800.	47100.	48300.
00300	OXYGEN, DISSOLVED MG/L	11/09/77-12/21/78	348	7.8	7.719	9.4	6.4	0.386	0.621	6.9	7.2	8.2	8.4
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/09/77-12/21/78	348	88.	88.198	101.	72.	35.877	5.99	81.	84.	92.	96.
00400	PH (STANDARD UNITS)	02/01/78-12/21/78	334	7.8	7.85	8.11	7.5	0.03	0.173	7.6	7.7	8.	8.1
00400	CONVERTED PH (STANDARD UNITS)	02/01/78-12/21/78	334	7.8	7.816	8.11	7.5	0.031	0.176	7.6	7.7	8.	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/01/78-12/21/78	334	0.016	0.015	0.032	0.008	0.	0.006	0.008	0.01	0.02	0.025
00480	SALINITY - PARTS PER THOUSAND	11/09/77-12/21/78	352	29.05	27.835	32.5	9.5	17.706	4.208	22.9	26.1	30.775	31.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	28	0.115	0.105	0.18	0.04	0.002	0.04	0.049	0.06	0.13	0.151
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	28	0.01	0.01	0.02	0.005	0.	0.002	0.01	0.01	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	26	0.205	0.209	0.3	0.07	0.003	0.056	0.146	0.18	0.27	0.293
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/77-11/08/78	28	0.2	0.209	0.3	0.06	0.005	0.067	0.098	0.2	0.275	0.3
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/09/77-11/08/78	28	0.34	0.365	0.56	0.23	0.009	0.097	0.24	0.3	0.418	0.55
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/09/77-11/08/78	28	3.5	3.882	11.	2.	5.059	2.249	2.2	2.75	3.5	9.01
70971	LIGHT, ATTENUATION COEFFICIENT (ALPHA/M)	02/01/78-12/21/78	325	3.28	3.666	15.65	1.2	4.077	2.019	1.85	2.32	4.32	5.71
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/09/77-11/08/78	28	0.145	0.134	0.23	0.05	0.003	0.053	0.059	0.08	0.17	0.192
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/09/77-11/08/78	26	0.9	0.923	1.3	0.3	0.062	0.249	0.68	0.8	1.2	1.3
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/09/77-11/08/78	26	0.03	0.032	0.07	0.03	0.	0.008	0.03	0.03	0.03	0.03
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/09/77-05/25/78	3	20.	20.667	26.	16.	25.333	5.033	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0187

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	348	0	0.00	104	0	0.00	74	0	0.00	170	0	0.00			
00400	PH	Fresh Chronic	9.	334	0	0.00	99	0	0.00	65	0	0.00	170	0	0.00			
		Other-Lo Lim.	6.5	334	0	0.00	99	0	0.00	65	0	0.00	170	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	28	0	0.00	13	0	0.00	10	0	0.00	5	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	26	0	0.00	11	0	0.00	10	0	0.00	5	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	28	0	0.00	13	0	0.00	10	0	0.00	5	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	26	0	0.00	11	0	0.00	10	0	0.00	5	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	26	0	0.00	11	0	0.00	10	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: GOGA0188

NPS Station ID: GOGA0188 | LAT/LON: 37.799995/-122.521682 | Agency: 21CAL-1 | Date Created: 09/07/78
Location: PACIFIC OCEAN A GOLDEN GATE CHANN | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN | STORET Station ID(s): E0O74802316 /2031101
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050002000200.50 | RF3 Mile Point: 2.72 | Distance from RF3: 0.37 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 0 ;
STATION NAME: PACIFIC OCEAN A GOLDEN GATE CHANN; DWR COUNTY CODE: 38; LATITUDE: 374800; LONGITUDE: 1223118;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01S, RANGE 06, SECTION BASE M;
USGS QUADRANGLE NUMBER: . 467; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0188

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/59-08/20/59	2	42500.	42500.	42800.	42200.	180000.	424.264	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/20/59-08/20/59	2	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/20/59-08/20/59	2	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/59-08/20/59	2	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/20/59-08/20/59	2	114.	114.	114.	114.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/59-08/20/59	2	386.	386.	394.	378.	128.	11.314	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/20/59-08/20/59	2	18300.	18300.	18400.	18200.	20000.	141.421	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/20/59-08/20/59	2	2395.	2395.	2400.	2390.	50.	7.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/20/59-08/20/59	2	3.1	3.1	3.2	3.	0.02	0.141	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/20/59-08/20/59	2	4700.	4700.	4800.	4600.	20000.	141.421	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/20/59-08/20/59	2	1.2	1.2	1.2	1.2	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: GOGA0188

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Marine Chronic	8.5	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

Station Inventory for Station: GOGA0189

NPS Station ID: GOGA0189
LAT/LON: 37.801158/-122.495833
Agency: 11NPSWRD
Date Created: 12/31/99
Location: SOUTH BAY WEST OF HELMET ROCK
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): GOGA_CCSF_OM08
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE SITE IS LOCATED ON THE SAN FRANCISCO NORTH, CA. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, OUTSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA), IN SOUTH BAY WEST OF HELMET ROCK. THE STATION IS PART OF THE CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS (CCSF) OCEAN OUTFALL MONITORING PROGRAM AND WERE REPORTED IN THE 1989- 1996 ANNUAL REPORTS. THE STUDY MONITORS FOR POTENTIAL CHANGES ASSOCIATED WITH SOUTHWEST OCEAN OUTFALL WASTEWATER DISCHARGE IN THE NEARSHORE GULF OF THE FARALLONES. MONITORING CONSISTS OF WATER QUALITY, BENTHIC AND FISH AND EPIBENTHIC INVERTEBRATE SAMPLING. FOR MORE INFORMATION ON THE STUDY, CONTACT CCSF AT TEL. (415) 242-2201. FOR RESOURCE INFORMATION CONCERNING GOGA, CONTACT RESOURCE MANAGEMENT, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY CLINT BASSETT AT NPS-WRD; 1201 OAKRIDGE DR. SUITE 250, FORT COLLINS, CO, 80525. TEL. (970) 225-3516.

Parameter Inventory for Station: GOGA0189

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/21/89-12/05/89	145	14.	13.395	15.8	9.9	3.143	1.773	10.4	12.4	14.7	15.4
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	02/21/89-12/05/89	13	0.9	0.885	2.	0.1	0.246	0.496	0.14	0.55	1.15	1.72
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/21/89-12/05/89	145	52500.	52622.759	58500.	47500.	6315242.337	2513.015	50000.	50800.	53300.	57940.
00300	OXYGEN, DISSOLVED MG/L	02/21/89-12/05/89	145	7.	7.073	9.	5.	0.679	0.824	6.	7.	8.	8.
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	02/21/89-12/05/89	145	42000.	41208.966	44800.	36000.	6969710.728	2640.021	36660.	40000.	43350.	44500.
00406	PH, FIELD, STANDARD UNITS SU	02/21/89-12/05/89	145	7.51	7.568	7.96	7.18	0.048	0.22	7.37	7.405	7.775	7.914
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/21/89-12/05/89	145	7.51	7.516	7.96	7.18	0.051	0.226	7.37	7.405	7.775	7.914
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-12/05/89	145	0.031	0.03	0.066	0.011	0.	0.015	0.012	0.017	0.039	0.043
00480	SALINITY - PARTS PER THOUSAND	02/21/89-12/05/89	145	34.7	34.839	39.3	31.2	3.34	1.828	33.06	33.5	35.3	37.84
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/10/89-12/05/89	36	0.07	0.071	0.16	0.025	0.001	0.035	0.025	0.05	0.08	0.129
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/10/89-12/05/89	36 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/10/89-12/05/89	59	6.	32.508	500.	1.	6008.909	77.517	1.	2.	18.	78.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/10/89-12/05/89	59	0.778	0.869	2.699	0.	0.514	0.717	0.	0.301	1.255	1.892
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			7.392								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/89-12/05/89	60	4.	11.5	100.	1.	342.356	18.503	1.	2.	15.5	33.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/89-12/05/89	60	0.602	0.661	2.	0.	0.331	0.575	0.	0.301	1.19	1.529
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.578								
31649	ENTEROCOCCI- ME-MF N0/100ML	01/10/89-12/05/89	60	2.	3.333	16.	1.	11.684	3.418	1.	1.	5.5	8.
31649	LOG ENTEROCOCCI- ME-MF N0/1	01/10/89-12/05/89	60	0.301	0.341	1.204	0.	0.147	0.383	0.	0.	0.734	0.903

** - 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 time series plot

Parameter Inventory for Station: GOGA0189

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			2.191								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	01/10/89-12/05/89	36	4.29	4.285	9.57	0.99	4.919	2.218	1.347	2.463	5.91	6.9
49901	SOLIDS,TOTAL SUSPENDED(GRAVIMETRIC), SUSP,WTR MG/L	01/10/89-12/05/89	36	16.5	18.806	36.	5.	67.361	8.207	8.7	13.25	22.	32.9
50786	ORTHOPHOSPHATE AS P, WATER MG/L	01/10/89-12/05/89	36	0.07	0.067	0.11	0.03	0.	0.021	0.04	0.05	0.08	0.1
71815	DENSITY, SEA WATER (AS SIGMA-T G/L-1000)	02/21/89-12/05/89	145	25.8	26.219	29.9	23.6	2.165	1.471	24.8	25.25	26.85	29.54

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0189

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	145	0	0.00	75	0	0.00	27	0	0.00	43	0	0.00			
00406	PH, FIELD	Marine Chronic	8.5	145	0	0.00	75	0	0.00	27	0	0.00	43	0	0.00			
		Other-Lo Lim.	6.5	145	0	0.00	75	0	0.00	27	0	0.00	43	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	59	0	0.00	25	0	0.00	14	0	0.00	20	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	60	0	0.00	25	0	0.00	15	0	0.00	20	0	0.00			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	60	0	0.00	25	0	0.00	15	0	0.00	20	0	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: GOGA0190

NPS Station ID: GOGA0190
LAT/LON: 37.800967/-122.373477
Agency: 1119REG9
Date Created: / /
Location: AT S F BAY BRIDGE SUPPORT D.
FIPS State/County: 06001 CALIFORNIA/ALAMEDA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000044
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050004
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050004001
RF1 Mile Point: 52.770
Distance from RF1: 16.50
On/Off RF1: OFF
RF3 Index: 18050002017300.00
RF3 Mile Point: 2.68
Distance from RF3: 0.72
On/Off RF3:
Description:
EAST BAY MUNICIPAL UTILITY DISTRICT, SPECIAL DISTRICT NO. 1, ALAMEDA COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY AT THE SF BAY BRIDGE SUPPORT D. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THIS STATION IS LABELED 15 BY EAST BAY MUD.

Parameter Inventory for Station: GOGA0190

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: GOGA0191

NPS Station ID: GOGA0191 | LAT/LON: 37.801112/-122.373623 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: S.F. BAY W OF YERBA BUENA ISL | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN | STORET Station ID(s): E0B74812224 /2041009
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050004 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY | ECO Region:
RF1 Index: 18050004001 | RF1 Mile Point: 52.770 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050002000207.70 | RF3 Mile Point: 7.70 | Distance from RF3: 0.54 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 969 ; ELEVATION: 1 ;
STATION NAME: S.F. BAY W OF YERBA BUENA ISL ; DWR COUNTY CODE: 38; LATITUDE: 374804; LONGITUDE: 1222225;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01S, RANGE 05, SECTION BASE M;
USGS QUADRANGLE NUMBER: . 466; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/15/69-05/11/71	17	57.	57.647	66.	50.	21.493	4.636	51.6	54.	61.	65.2
00065	STAGE, STREAM (FEET)	05/28/70-05/28/70	1	40.8	40.8	40.8	40.8	0.	0.	**	**	**	**
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	09/16/69-05/11/71	18	7.	10.5	35.	3.	63.441	7.965	3.9	5.	14.25	21.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/15/69-05/11/71	16	40900.	40118.75	57600.	31000.	51828291.667	7199.187	31700.	34125.	44000.	50880.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/16/69-05/11/71	17	40200.	37876.471	45300.	28600.	27473161.765	5241.485	29880.	33200.	41600.	44740.
00300	OXYGEN, DISSOLVED MG/L	12/15/69-05/11/71	17	8.2	8.029	9.3	6.9	0.592	0.77	6.9	7.35	8.65	9.06
00400	PH (STANDARD UNITS)	12/15/69-05/11/71	17	8.	7.988	8.3	7.4	0.046	0.215	7.64	7.9	8.15	8.22
00400	CONVERTED PH (STANDARD UNITS)	12/15/69-05/11/71	17	8.	7.928	8.3	7.4	0.05	0.223	7.64	7.9	8.15	8.22
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/15/69-05/11/71	17	0.01	0.012	0.04	0.005	0.	0.008	0.006	0.007	0.013	0.024
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/16/69-05/11/71	17	11.	13.235	32.	0.	76.566	8.75	3.2	6.5	19.5	27.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/69-05/11/71	17	0.	0.028	0.13	0.	0.002	0.043	0.	0.	0.045	0.114
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/16/69-05/11/71	17	0.28	0.506	4.	0.21	0.815	0.903	0.21	0.24	0.345	1.16
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	09/16/69-05/11/71	17	0.1	0.153	0.6	0.	0.031	0.177	0.	0.	0.3	0.44
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	09/16/69-05/11/71	17	0.1	0.179	0.6	0.	0.026	0.161	0.	0.065	0.3	0.44
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/69-05/11/71	17	0.1	0.121	0.19	0.08	0.002	0.04	0.08	0.085	0.16	0.182
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/16/69-09/16/69	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/16/69-05/11/71	17	0.08	0.079	0.14	0.05	0.001	0.023	0.05	0.06	0.09	0.108
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	09/16/69-05/11/71	17	0.01	0.014	0.08	0.	0.	0.02	0.	0.	0.02	0.04
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/16/69-05/11/71	17	15900.	14917.647	18000.	10500.	5461544.118	2336.995	11700.	12550.	17000.	17600.
39040	S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE WTR-FPD UG/L	09/17/70-05/11/71	4	0.	0.065	0.26	0.	0.017	0.13	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	12/15/69-07/22/70	2	0.009	0.009	0.01	0.008	0.	0.001	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12/15/69-12/15/69	1	0.006	0.006	0.006	0.006	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: GOGA0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12/15/69-12/15/69	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
49010	UNKNOWNC AS DDT IN WHOLE WATER SAMPLE (UG/L)	12/15/69-03/16/71	4	0.01	0.012	0.026	0.002	0.	0.01	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0191

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	17	0	0.00	5	0	0.00	5	0	0.00	7	0	0.00			
00400	PH	Marine Chronic	8.5	17	0	0.00	5	0	0.00	5	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	17	0	0.00	5	0	0.00	5	0	0.00	7	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Marine Acute	0.16	2	0	0.00	1	0	0.00	1	0	0.00						
39360	DDD IN WHOLE WATER SAMPLE	Marine Acute	3.6	1	0	0.00				1	0	0.00						
39370	DDT IN WHOLE WATER SAMPLE	Marine Acute	0.13	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: GOGA0192

NPS Station ID: GOGA0192
LAT/LON: 37.801420/-122.445818
Agency: 11NPSWRD
Date Created: 06/12/99
Location: LOMBARD STREET RESERVOIR
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_COE_LOMBA
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE SITE IS AT LOMBARD STREET RESERVOIR AT HYDE STREET AND LOMBARD STREET AND IS OUTSIDE OF GOLDEN GATE NATIONAL REC- REATION AREA (GOGA). DATA ARE FROM A REPORT BY MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. LITTLE IS KNOWN ABOUT WHAT THIS SITE WAS LIKE IN 1906; THEREFORE; WE ARE ASSUMING THAT ALL RESERVOIRS IN THIS REPORT WERE UNTREATED AND UNCOVERED. SOME OF THE RESERVOIRS THAT EXIST TODAY ARE NOW TREATED AND COVERED. OTHER ASSUMPTIONS HAVE BEEN MADE REGARDING SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT GOLDEN GATE NRA; FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	07/26/06-07/26/06	1	248.	248.	248.	248.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/26/06-07/26/06	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/26/06-07/26/06	1	156.	156.	156.	156.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/26/06-07/26/06	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/06-07/26/06	1	133.	133.	133.	133.	0.	0.	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/06-07/26/06	1	30.	30.	30.	30.	0.	0.	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	08/01/06-08/01/06	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	08/01/06-08/01/06	1	3.301	3.301	3.301	3.301	0.	0.	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			2000.								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/26/06-07/26/06	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/26/06-07/26/06	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/26/06-07/26/06	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: GOGA0192

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
71850	NITRATE NITROGEN, TOTAL (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: GOGA0193

NPS Station ID: GOGA0193 LAT/LON: 37.802530/-122.457645 Agency: 11NPSWRD Date Created: 07/11/98
Location: STORM WATER FROM NORTH SIDE OF DOYLE DRIVE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM/RUNOFF STORET Station ID(s): GOGA_DM_SL2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SAMPLES FOR THIS SITE WERE COLLECTED FROM THE STORM RUNOFF AT THE NORTH SIDE OF DOYLE DRIVE NEAR BUILDING 610 WHICH IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED 23 JANUARY; 6 FEBRUARY; AND 17 FEBRUARY 1994. ALL SAMPLES WERE ANALYZED BY DAMES AND MOORE; 3700 LAKEVILLE HIGHWAY; PETALUMA CALIFORNIA 94954. THE RESULTS ARE IN "PRESIDIO OF SAN FRANCISCO STORM WATER MANAGEMENT PLAN" (PREPARED FOR THE NATIONAL PARK SERVICE; OCTOBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0193

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	01/23/94-02/17/94	3	8.	10.667	17.	7.	30.333	5.508	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	3	82.	108.667	190.	54.	5157.333	71.815	**	**	**	**
00400	PH (STANDARD UNITS)	01/23/94-02/06/94	2	7.65	7.65	7.7	7.6	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/23/94-02/06/94	2	7.647	7.647	7.7	7.6	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/94-02/06/94	2	0.023	0.023	0.025	0.02	0.	0.004	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/94-02/17/94	3	47.	57.667	120.	6.	3334.333	57.744	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	3	2.2	3.2	5.2	2.2	3.	1.732	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/23/94-02/17/94	3	## 0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	3	## 2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	3	## 2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	3	## 25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	3	## 25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	3	## 25.	56.667	120.	25.	3008.333	54.848	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	3	## 7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	3	## 500.	500.	500.	500.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	3	## 50.	50.	50.	50.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	3	## 25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	3	310.	353.333	510.	240.	19633.333	140.119	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	3	## 100.	100.	100.	100.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	3	## 2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/23/94-02/17/94	3	6.2	7.883	15.	2.45	41.501	6.442	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	3	16000.	173666.667	500000.	5000.799	00333333.333	282666.47	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: GOGA0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/23/94-02/17/94	3	4.204	4.534	5.699	3.699	1.082	1.04	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			34199.519								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	3	5000.	6566.667	14000.	700.	46063333.333	6786.997	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/94-02/17/94	3	3.699	3.563	4.146	2.845	0.437	0.661	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			3659.306								
31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	3	240.	380.	700.	200.	77200.	277.849	**	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	01/23/94-02/17/94	3	2.38	2.509	2.845	2.301	0.086	0.294	**	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			322.686								
71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0193

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	0	0.00							3	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00							3	0	0.00			
		Drinking Water	4.	3	0	0.00							3	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.	3	0	0.00							3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	1	1.00							1	1	1.00			
		Drinking Water	1300.	3	0	0.00							3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00							3	0	0.00			
		Drinking Water	15.	3	0	0.00							3	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	3	1.00							3	3	1.00			
		Drinking Water	5000.	3	0	0.00							3	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	0 &	0	0.00												
		Drinking Water	6.	0 &	0	0.00												
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	0	0.00							3	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	3	1.00							3	3	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	3	3	1.00							3	3	1.00			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	3	3	1.00							3	3	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00							3	0	0.00			
		Drinking Water	2.	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: GOGA0194

NPS Station ID: GOGA0194
LAT/LON: 37.803919/-122.446344
Agency: 11NPSWRD
Date Created: 06/12/99
Location: FRANCISCO STREET RESERVOIR
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): GOGA_COE_FRANC
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CA 7.5' SERIES (TOPO) QUAD. THE SITE IS LOCATED AT THE FRANCISCO ST. RESERVOIR AT HYDE STREET AND FRANCISCO STREET AND IS OUTSIDE OF GOLDEN GATE NATIONAL RECREATION AREA. THIS RESERVOIR IS NO LONGER IN SERVICE. DATA ARE FROM MAJOR WILLIAM W. HARTS; CORP OF ENGINEERS; "REPORT UPON THE EXPANSION AND DEVELOPMENT OF THE PRESIDIO OF SAN FRANCISCO; CALIFORNIA"; JANUARY 1907. LITTLE IS KNOWN ABOUT WHAT THIS SITE WAS LIKE IN 1906; THEREFORE; WE ARE ASSUMING THAT RESERVOIRS IN THIS REPORT WERE UNTREATED AND UNCOVERED. SOME OF THE RESERVOIRS THAT EXIST TODAY ARE NOW TREATED AND COVERED. OTHER ASSUMPTIONS HAVE BEEN MADE REGARDING SAMPLING LOCATIONS; SAMPLING METHODS; AND METHODS OF ANALYSIS. FOR MORE INFORMATION ON THIS REPORT CONTACT GOLDEN GATE NRA; FORT MASON; BLDG. 201; SAN FRANCISCO CA 94123 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0194

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	07/26/06-07/26/06	1	289.	289.	289.	289.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/26/06-07/26/06	1	116.	116.	116.	116.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/26/06-07/26/06	1	173.	173.	173.	173.	0.	0.	**	**	**	**
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	07/26/06-07/26/06	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/06-07/26/06	1	141.	141.	141.	141.	0.	0.	**	**	**	**
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	1	141.	141.	141.	141.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/26/06-07/26/06	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/06-07/26/06	1	24.	24.	24.	24.	0.	0.	**	**	**	**
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	07/26/06-07/26/06	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
31749	LOG PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	07/26/06-07/26/06	1	3.301	3.301	3.301	3.301	0.	0.	**	**	**	**
31749	GM PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	GEOMETRIC MEAN =			2000.								
61734	NITROGEN,AMMONIA ALBUMINOID TOTAL IN WATER MG/L	07/26/06-07/26/06	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
71840	OXYGEN CONSUMED, UNFILTERED MG/L	07/26/06-07/26/06	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/26/06-07/26/06	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: GOGA0194

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
71850	NITRATE NITROGEN, TOTAL (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: GOGA0195

NPS Station ID: GOGA0195 LAT/LON: 37.805552/-122.448627 Agency: 21CAL-84 Date Created: 02/15/86
Location: CENTRAL SAN FRANCISCO BAY: SOUTH GOLDEN GATE BR FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY/NRSHRE STORET Station ID(s): SHWSF003 /262 /GOLD GATE SO
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 3 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002001 RF1 Mile Point: 5.100 Distance from RF1: 26.80 On/Off RF1: OFF
RF3 Index: 18050002016700.00 RF3 Mile Point: 3.40 Distance from RF3: 0.89 On/Off RF3:
Description:
LOCATION: GOLDEN GATE (SOUTH); NORTHERN SHORELINE OF THE CITY OF SAN FRANCISCO APPROXIMATELY 2.5 KM EAST OF THE GOLDEN GATE BRIDGE.
HISTORY: ESTABLISHED MID-1980 FOR MONITORING FISH AND CRUSTACEANS IN SHALLOW AREAS OF SAN FRANCISCO BAY; SAMPLED MONTHLY FROM AUG 1980 TO DATE; PROJECT ONGOING; THIS STATION IS SAMPLED REGULARLY. DATA TYPES: STATION NO.; DATE; SURVEY NO.; SURFACE TEMPERATURE AND EC; WAVES; CLOUD COVER; DEPTH AT START OF TOW(S); NET TYPE; TOW NO., LENGTH, WIDTH, TIME, AND CATCH CODE FOR EACH TOW; NUMBERS OF FISH AND CRUSTACEANS CAUGHT BY SPECIES, AND LENGTH FREQUENCIES. SAMPLING TECHNIQUES: TWO TOWS ARE USUALLY COMPLETED AT EACH STATION USING A 50FT X 4FT BEACH SEINE WITH 1/8 INCH DELTA MESH. EACH STATION IS SAMPLED MONTHLY DURING THE EARLY STAGES, OR AT THE BEGINNING OF AN INCOMING TIDE (DURING DAYLIGHT HOURS). FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH AND GAME: 209-466-4421

Parameter Inventory for Station: GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	60	14.9	14.575	18.5	8.5	5.036	2.244	11.61	13.	16.475	17.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	60	45003.	42385.917	53888.	12811.	59512527.671	7714.436	30318.7	40709.75	47248.	48680.4

** - 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

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

Annual Analysis for 1980 - Station GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	3	16.2	15.567	16.5	14.	1.863	1.365	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	3	46500.	48730.667	53888.	45804.	20069669.333	4479.918	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	5	16.4	16.1	17.	14.6	0.95	0.975	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	5	45800.	46120.	48100.	43900.	3402000.	1844.451	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	8	15.8	14.85	17.	11.6	4.314	2.077	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	8	39600.	39708.25	47279.	28400.	36448952.214	6037.297	**	**	**	**

** - 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 1983 - Station GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	11	14.9	14.718	18.5	12.	5.864	2.421	12.	12.	17.	18.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	11	37920.	35155.	45144.	18778.	68008492.4	8246.726	19764.2	29988.	41791.	44491.2

** - 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 1984 - Station GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	9	13.5	13.6	17.5	8.5	8.513	2.918	8.5	11.3	16.25	17.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	9	47120.	45630.222	48576.	35774.	15118245.694	3888.219	35774.	44953.	47631.5	48576.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	11	14.	13.709	16.5	9.7	5.459	2.336	9.94	11.5	15.6	16.46
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	11	48196.	48060.818	50127.	46284.	1750289.364	1322.985	46347.2	46914.	49098.	50038.8

** - 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 1986 - Station GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	12	15.05	14.908	18.5	12.	4.046	2.012	12.09	13.15	16.725	18.05
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	43172.	40168.833	47268.	12811.	95432583.242	9768.96	17768.2	41310.5	44935.5	47205.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	1	14.5	14.5	14.5	14.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	1	40625.	40625.	40625.	40625.	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: 5/15 to 10/09 - Station GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	28	16.45	16.304	18.5	14.	1.164	1.079	14.72	15.675	17.	17.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	28	45593.5	44754.143	53888.	33295.	19388572.349	4403.246	37888.	41944.	48012.	49200.9

** - 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 #2: 10/10 to 1/14 - Station GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	13	14.	13.446	17.	8.5	4.863	2.205	9.46	12.	14.9	16.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	13	46500.	44805.923	49686.	29988.	25542966.91	5054.005	34744.8	43238.5	47707.5	49350.8

** - 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 #3: 1/15 to 5/14 - Station GOGA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/80-01/20/87	19	12.3	12.8	15.7	9.7	2.624	1.62	10.9	11.7	13.9	15.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	19	40625.	37240.105	47304.	12811.	108052915.544	10394.85	18778.	29335.	46284.	47268.

** - Less than 9 observations ## - Computed 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: GOGA0196

NPS Station ID: GOGA0196 LAT/LON: 37.805718/-122.457179 Agency: 11NPSWRD Date Created: 12/31/99
Location: S.F. BAY AT CRISSEY FIELD NEAR CYPRESS TREE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_202.2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH, CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, IN THE SURF IN SAN FRANCISCO BAY AT CRISSEY FIELD NEAR CYPRESS TREE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA) BOUNDARIES AND WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO (CCSF) DEPARTMENT OF PUBLIC WORKS BEACH MONITORING EFFORT AND INCLUDE BACTERIA COUNTS. FOR MORE INFORMATION ON THIS STUDY, CONTACT CCSF BUREAU OF POLLUTION CONTROL, 750 PHELPS ST., SAN FRANCISCO, CA, 94124. TEL. (415) 296-9836. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE NATURAL RESOURCE MANAGER, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY THE NATIONAL PARK SERVICE, WATER RESOURCES DIVISION, 1201 OAKRIDGE DR., FORT COLLINS, CO, 80525. TEL. (970) 225-3514.

Parameter Inventory for Station: GOGA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	1180	20.	214.643	16000.	1.	1214450.705	1102.021	5.	6.	96.	309.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	1180	1.301	1.475	4.204	0.	0.536	0.732	0.699	0.778	1.982	2.49
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			29.86								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	349	15.	152.473	16000.	1.	903896.524	950.735	2.5	5.	50.	140.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	349	1.176	1.259	4.204	0.	0.521	0.722	0.398	0.699	1.699	2.146
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.168								
31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	327	6.	49.179	3800.	1.	59556.9	244.043	2.	2.5	20.	80.
31649	LOG ENTEROCOCCI- ME-MF N0/1	10/20/92-12/28/94	327	0.778	0.951	3.58	0.	0.42	0.648	0.301	0.398	1.301	1.903
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			8.942								

** - Less than 9 observations ## - 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: GOGA0196

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1180	43	0.04	439	3	0.01	327	24	0.07	414	16	0.04			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	349	29	0.08	128	3	0.02	119	13	0.11	102	13	0.13			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	325 &	52	0.16	127	5	0.04	111	31	0.28	87	16	0.18			

& - 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 1992 - Station GOGA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	35	66.	483.4	11000.	1.	3459314.541	1859.923	4.6	25.	160.	656.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	35	1.82	1.788	4.041	0.	0.678	0.823	0.66	1.398	2.204	2.817
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			61.319								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	156	43.	330.907	14000.	1.	1550035.954	1245.004	5.	10.	155.	674.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	156	1.632	1.683	4.146	0.	0.649	0.806	0.699	1.	2.19	2.826
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			48.211								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	158	20.	223.209	16000.	2.5	1721061.8	1311.892	5.	10.	76.25	290.7
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	158	1.301	1.481	4.204	0.398	0.491	0.701	0.699	1.	1.882	2.461
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			30.294								

** - 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

Annual Analysis for 1995 - Station GOGA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	158	20.	288.377	16000.	2.5	3205360.76	1790.352	5.	5.	100.	334.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	158	1.301	1.444	4.204	0.398	0.568	0.754	0.699	0.699	2.	2.523
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			27.785								

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

Annual Analysis for 1996 - Station GOGA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	161	50.	132.332	1520.	2.5	60898.472	246.776	5.	10.	110.	400.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	161	1.699	1.598	3.182	0.398	0.462	0.68	0.699	1.	2.04	2.602
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			39.616								

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

Annual Analysis for 1997 - Station GOGA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	158	20.	185.025	12300.	5.	1027371.897	1013.594	5.	5.	80.	300.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	158	1.301	1.439	4.09	0.699	0.503	0.709	0.699	0.699	1.903	2.477
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			27.448								

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

Annual Analysis for 1998 - Station GOGA0196

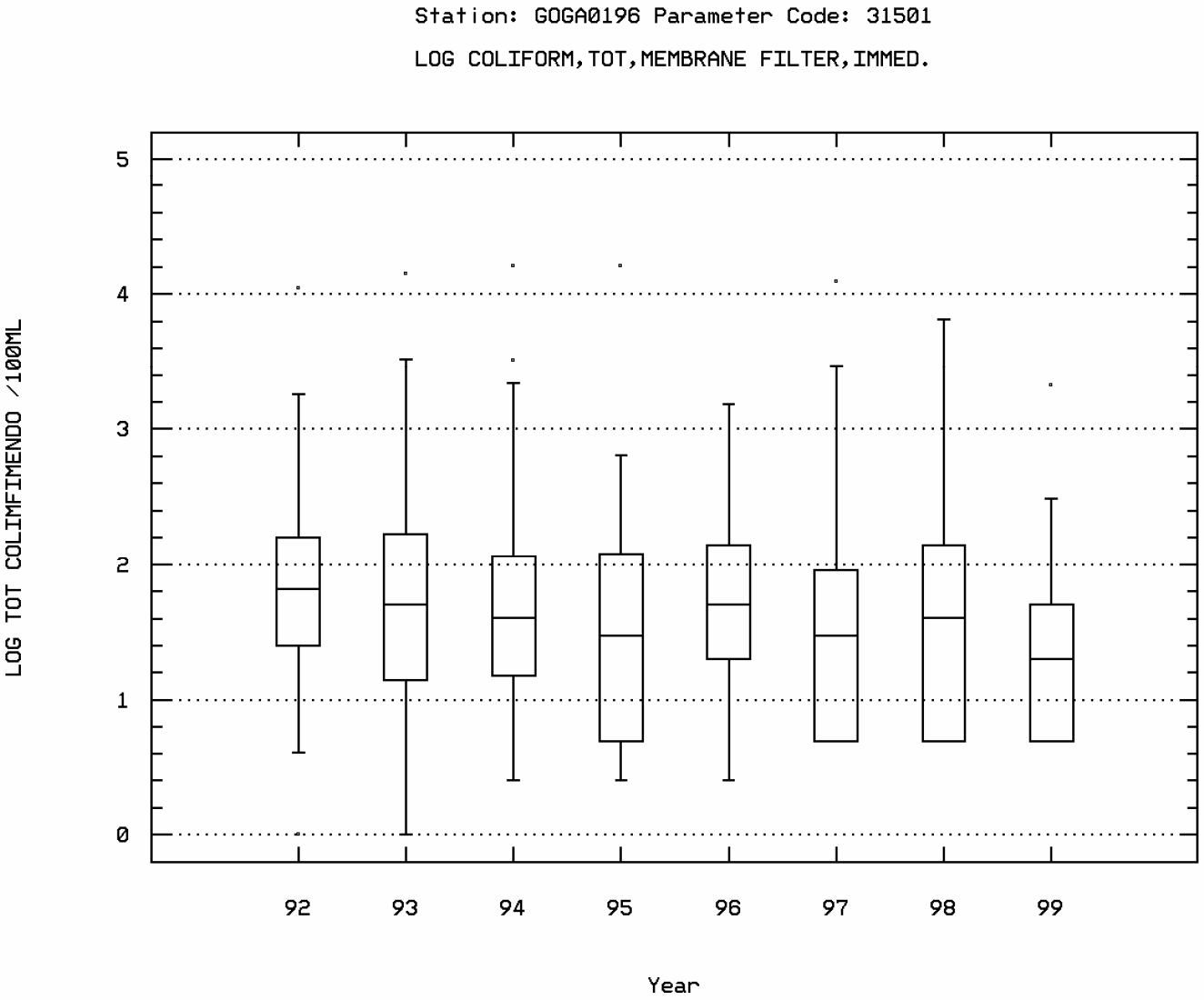
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	160	20.	271.225	6500.	5.	680031.081	824.64	5.	5.	100.	479.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	160	1.301	1.501	3.813	0.699	0.664	0.815	0.699	0.699	2.	2.68
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			31.674								

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

Annual Analysis for 1999 - Station GOGA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	194	10.	51.402	2100.	5.	46280.2	215.128	5.	5.	30.	100.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	194	1.	1.179	3.322	0.699	0.276	0.525	0.699	0.699	1.477	2.
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.085								

** - 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



S.F. BAY AT CRISSEY FIELD NEAR CYPRESS

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	439	10.	60.747	2100.	1.	37354.478	193.273	5.	5.	50.	110.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	439	1.	1.221	3.322	0.	0.355	0.596	0.699	0.699	1.699	2.041
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			16.635								

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	327	40.	402.257	16000.	1.	2706557.974	1645.162	5.	10.	126.	640.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	327	1.602	1.662	4.204	0.	0.654	0.809	0.699	1.	2.1	2.806
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			45.867								

** - 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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	414	30.	229.644	16000.	2.5	1237621.677	1112.484	5.	10.	130.	380.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	414	1.477	1.597	4.204	0.398	0.525	0.725	0.699	1.	2.114	2.58
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			39.56								

** - Less than 9 observations ## - Computed 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: GOGA0197

NPS Station ID: GOGA0197 LAT/LON: 37.806103/-122.454586 Agency: 11NPSWRD Date Created: 12/31/99
Location: S.F. BAY AT CRISSEY FIELD WEST OF TIDAL CHNL FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_202.3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH, CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, IN THE SURF IN SAN FRANCISCO BAY AT CRISSEY FIELD WEST OF TIDAL CHANNEL AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA) BOUNDARIES AND WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO (CCSF) DEPARTMENT OF PUBLIC WORKS BEACH MONITORING EFFORT AND INCLUDE BACTERIA COUNTS. FOR MORE INFORMATION ON THIS STUDY, CONTACT CCSF BUREAU OF POLLUTION CONTROL, 750 PHELPS ST., SAN FRANCISCO, CA, 94124. TEL. (415) 296-9836. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE NATURAL RESOURCE MANAGER, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY THE NATIONAL PARK SERVICE, WATER RESOURCES DIVISION, 1201 OAKRIDGE DR., FORT COLLINS, CO, 80525. TEL. (970) 225-3514.

Parameter Inventory for Station: GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	1133	30.	350.283	16000.	1.	2420583.516	1555.822	5.	10.	110.	420.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	1133	1.477	1.598	4.204	0.	0.604	0.777	0.699	1.	2.041	2.623
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			39.593								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-07/25/96	352	14.	280.267	16000.	1.	1925104.998	1387.482	2.5	5.	68.75	213.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-07/25/96	352	1.146	1.328	4.204	0.	0.668	0.817	0.398	0.699	1.837	2.329
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21.3								
31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	326	6.	52.646	2400.	1.	48985.352	221.326	2.	2.5	25.	81.5
31649	LOG ENTEROCOCCI- ME-MF N0/1	10/20/92-12/28/94	326	0.778	0.987	3.38	0.	0.447	0.669	0.301	0.398	1.398	1.911
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			9.703								

** - Less than 9 observations ## - 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: GOGA0197

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1133	65	0.06	439	21	0.05	373	27	0.07	321	17	0.05			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	352	39	0.11	131	12	0.09	119	21	0.18	102	6	0.06			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	326	61	0.19	126	12	0.10	112	30	0.27	88	19	0.22			

& - 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 1992 - Station GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	35	150.	1845.8	16000.	1.	21535555.576	4640.642	6.8	20.	660.	11680.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	35	2.176	2.093	4.204	0.	1.198	1.095	0.821	1.301	2.82	4.048
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			123.889								

** - 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 1993 - Station GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	157	30.	606.01	16000.	1.	6609910.803	2570.975	5.	10.	140.	440.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	157	1.477	1.626	4.204	0.	0.712	0.844	0.699	1.	2.146	2.637
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			42.303								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	156	30.	199.077	4600.	2.5	415295.391	644.434	5.	10.	100.	293.1
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	156	1.477	1.565	3.663	0.398	0.491	0.701	0.699	1.	2.	2.467
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			36.749								

** - 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 1995 - Station GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	158	30.	219.003	7700.	2.5	572948.718	756.934	5.	10.	121.25	410.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	158	1.477	1.605	3.886	0.398	0.538	0.733	0.699	1.	2.084	2.613
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			40.238								

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

Annual Analysis for 1996 - Station GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	165	50.	397.848	10800.	5.	1796753.312	1340.43	5.	20.	160.	800.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	165	1.699	1.779	4.033	0.699	0.577	0.76	0.699	1.301	2.204	2.903
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			60.166								

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

Annual Analysis for 1997 - Station GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	158	50.	182.734	4500.	5.	269503.317	519.137	5.	10.	100.	402.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	158	1.699	1.625	3.653	0.699	0.487	0.698	0.699	1.	2.	2.604
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			42.179								

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

Annual Analysis for 1998 - Station GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	160	20.	356.719	16000.	5.	2177177.99	1475.526	5.	5.	110.	600.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	160	1.301	1.535	4.204	0.699	0.697	0.835	0.699	0.699	2.041	2.778
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			34.295								

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

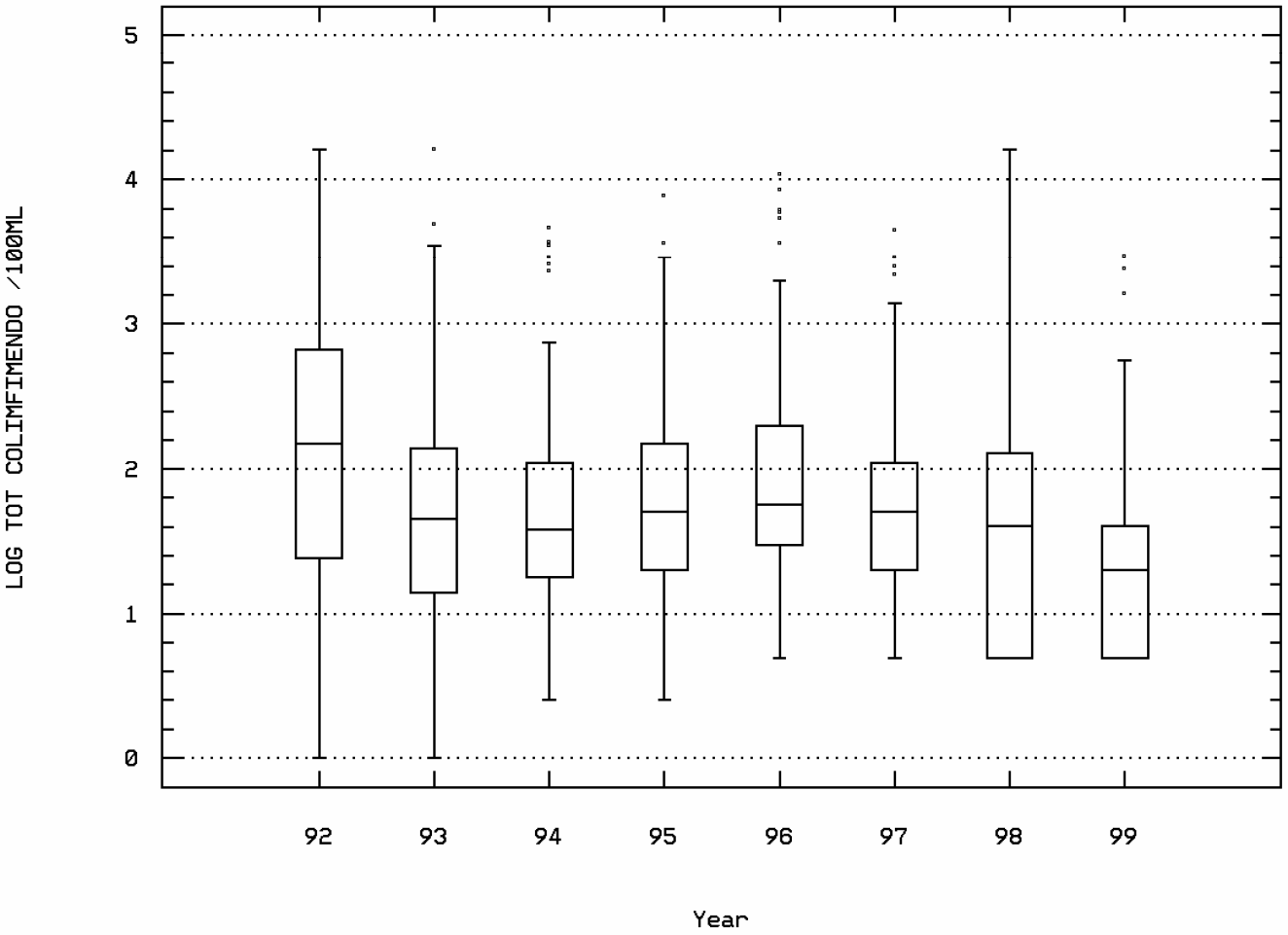
Annual Analysis for 1999 - Station GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	144	20.	138.014	2970.	5.	231680.447	481.332	5.	5.	30.	150.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	144	1.301	1.304	3.473	0.699	0.433	0.658	0.699	0.699	1.477	2.172
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			20.145								

** - Less than 9 observations ## - Computed 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: GOGA0197 Parameter Code: 31501

LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



S.F. BAY AT CRISSEY FIELD WEST OF TIDAL

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	439	20.	281.049	16000.	1.	1930128.147	1389.291	5.	5.	56.	240.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	439	1.301	1.393	4.204	0.	0.563	0.75	0.699	0.699	1.748	2.38
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			24.702								

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	373	40.	481.554	16000.	1.	3993065.334	1998.266	5.	10.	140.	692.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	373	1.602	1.676	4.204	0.	0.681	0.825	0.699	1.	2.146	2.84
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			47.436								

** - 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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	321	50.	292.433	16000.	2.5	1248993.857	1117.584	10.	20.	160.	500.4
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	321	1.699	1.787	4.204	0.398	0.473	0.688	1.	1.301	2.204	2.699
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			61.181								

** - 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 box-and-whisker plot

Station Inventory for Station: GOGA0198

NPS Station ID: GOGA0198
LAT/LON: 37.806110/-122.407648
Agency: 1119REG9
Date Created: / /
Location: AT STP 300 YD N OF TELEGRAPH HIL
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/TREATD/OUTFL/OCEAN
STORET Station ID(s): 6000078
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 8.170
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000203.73
RF3 Mile Point: 5.68
Distance from RF3: 0.17
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THE STATION IS LOCATED AT ANY POINT IN THE DISINFECTION FACILITIES FOR THE WASTE AT WHICH POINT ADEQUATE CONTACT WITH THE DISINFECTANT IS ASSURED. THIS STATION IS LABELED E-1-D. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0198

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: GOGA0199

NPS Station ID: GOGA0199 LAT/LON: 37.805968/-122.466481 Agency: 11NPSWRD Date Created: 12/31/99
Location: SAN FRANCISCO BAY AT CRISSEY FIELD NR NOAA BLDG FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_202.1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH, CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, IN THE SURF IN SAN FRANCISCO BAY AT CRISSEY FIELD NEAR NOAA BUILDING AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA) BOUNDARIES AND WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO (CCSF) DEPARTMENT OF PUBLIC WORKS BEACH MONITORING EFFORT AND INCLUDE BACTERIA COUNTS. FOR MORE INFORMATION ON THIS STUDY, CONTACT CCSF BUREAU OF POLLUTION CONTROL, 750 PHELPS ST., SAN FRANCISCO, CA, 94124. TEL. (415) 296-9836. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE NATURAL RESOURCE MANAGER, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY THE NATIONAL PARK SERVICE, WATER RESOURCES DIVISION, 1201 OAKRIDGE DR., FORT COLLINS, CO, 80525. TEL. (970) 225-3514.

Parameter Inventory for Station: GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	1094	30.	234.822	16000.	1.	1182621.907	1087.484	5.	10.	100.	400.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	1094	1.477	1.552	4.204	0.	0.557	0.747	0.699	1.	2.	2.602
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			35.653								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	347	18.	101.651	4400.	1.	111933.998	334.565	2.5	5.	55.	190.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	347	1.255	1.308	3.643	0.	0.509	0.713	0.398	0.699	1.74	2.279
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.313								
31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	325	10.	36.489	2000.	1.	17756.143	133.252	2.	2.5	24.	77.
31649	LOG ENTEROCOCCI- ME-MF N0/1	10/20/92-12/28/94	325	1.	0.967	3.301	0.	0.404	0.636	0.301	0.398	1.38	1.886
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			9.271								

** - Less than 9 observations ## - 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: GOGA0199

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1094	50	0.05	388	7	0.02	372	26	0.07	334	17	0.05			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	347	33	0.10	128	4	0.03	118	15	0.13	101	14	0.14			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	324 &	61	0.19	127	4	0.03	111	35	0.32	86	22	0.26			

& - 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 1992 - Station GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	35	132.	657.771	7800.	1.	3200598.711	1789.022	4.6	30.	200.	2364.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	35	2.121	1.93	3.892	0.	0.79	0.889	0.66	1.477	2.301	3.122
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			85.057								

** - 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 1993 - Station GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	156	40.	362.365	16000.	1.	2014297.924	1419.26	5.	10.	158.25	730.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	156	1.602	1.668	4.204	0.	0.683	0.827	0.699	1.	2.199	2.862
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			46.596								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	156	40.	210.58	16000.	2.5	1694662.04	1301.792	5.	10.	90.	273.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	156	1.602	1.545	4.204	0.398	0.462	0.679	0.699	1.	1.954	2.436
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			35.078								

** - 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 1995 - Station GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	158	32.5	153.927	6800.	2.5	331423.12	575.694	5.	10.	100.	361.6
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	158	1.511	1.532	3.833	0.398	0.508	0.712	0.699	1.	2.	2.558
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			34.007								

** - 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 box-and-whisker plot

Annual Analysis for 1996 - Station GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	160	50.	174.091	2030.	2.5	100138.962	316.447	5.	20.	155.	545.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	160	1.699	1.733	3.307	0.398	0.465	0.682	0.699	1.301	2.19	2.736
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			54.072								

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

Annual Analysis for 1997 - Station GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	158	50.	286.209	13900.	5.	1597850.205	1264.061	5.	10.	97.	444.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	158	1.699	1.598	4.143	0.699	0.529	0.727	0.699	1.	1.987	2.647
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			39.617								

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

Annual Analysis for 1998 - Station GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	159	10.	243.981	16000.	5.	1717016.778	1310.35	5.	5.	90.	470.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	159	1.	1.416	4.204	0.699	0.589	0.767	0.699	0.699	1.954	2.672
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			26.049								

** - 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

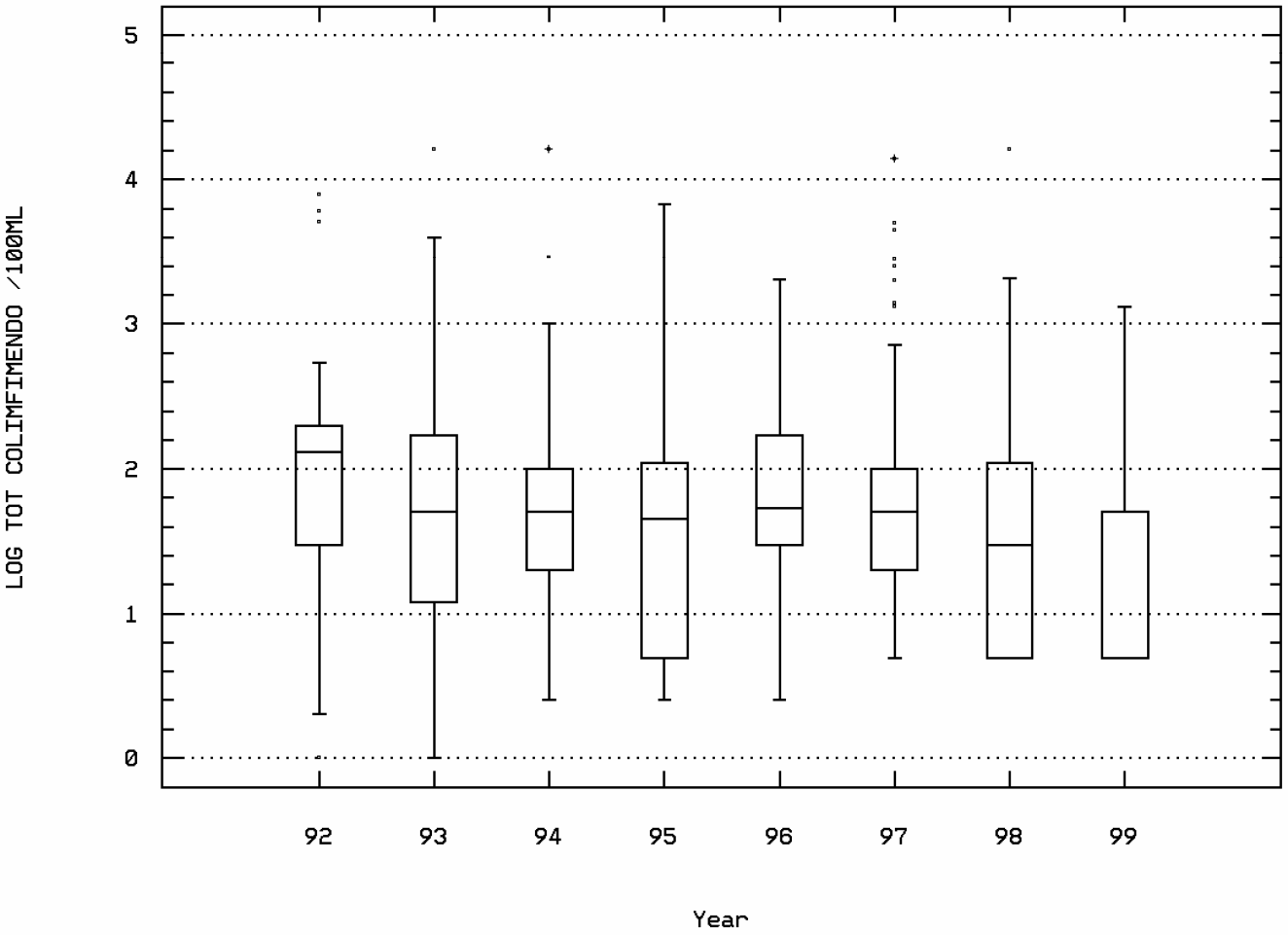
Annual Analysis for 1999 - Station GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	112	10.	74.152	1300.	5.	44627.391	211.252	5.	5.	38.	168.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	112	1.	1.181	3.114	0.699	0.399	0.632	0.699	0.699	1.578	2.225
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.186								

** - Less than 9 observations ## - Computed 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: GOGA0199 Parameter Code: 31501

LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



SAN FRANCISCO BAY AT CRISSEY FIELD NR N

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	388	14.5	105.491	13900.	1.	525381.535	724.832	5.	5.	50.	128.2
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	388	1.161	1.298	4.143	0.	0.404	0.635	0.699	0.699	1.699	2.108
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			19.845								

** - 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: 10/10 to 1/14 - Station GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	372	40.	368.434	16000.	1.	2079644.972	1442.097	5.	10.	140.	580.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	372	1.602	1.66	4.204	0.	0.651	0.807	0.699	1.	2.146	2.763
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			45.71								

** - 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 box-and-whisker plot

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	334	50.	236.25	16000.	2.5	914724.377	956.412	5.	11.75	157.	500.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	334	1.699	1.727	4.204	0.398	0.516	0.719	0.699	1.07	2.196	2.699
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			53.391								

** - Less than 9 observations ## - Computed 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: GOGA0200

NPS Station ID: GOGA0200
LAT/LON: 37.806110/-122.407648
Agency: 1119REG9
Date Created: / /
Location: AT STP 300 YD N OF TELEGRAPH HIL
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/PTRTMT/OUTFL/OCEAN
STORET Station ID(s): 6000077
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 8.170
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050003105900.00
RF3 Mile Point: 0.00
Distance from RF3: 0.05
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THE STATION IS LOCATED AT ANY POINT IN THE OUTFALL FROM THE TREATMENT FACILITIES BETWEEN THE POINT OF DISCHARGE AND THE POINT AT WHICH ALL WASTE TRIBUTARY TO THAT OUTFALL IS PRESENT. THIS STATION IS LABELED E-1. THE DATA IS FROM THE SELF- MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0200

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: GOGA0201

NPS Station ID: GOGA0201 LAT/LON: 37.806134/-122.451723 Agency: 11NPSWRD Date Created: 12/31/99
Location: SAN FRANCISCO BAY AT CRISSEY FIELD NR BATHROOMS FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_202.4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH, CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, IN THE SURF IN SAN FRANCISCO BAY AT CRISSEY FIELD NEAR BATHROOMS AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA) BOUNDARIES AND WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO (CCSF) DEPARTMENT OF PUBLIC WORKS BEACH MONITORING EFFORT AND INCLUDE BACTERIA COUNTS. FOR MORE INFORMATION ON THIS STUDY, CONTACT CCSF BUREAU OF POLLUTION CONTROL, 750 PHELPS ST., SAN FRANCISCO, CA, 94124. TEL. (415) 296-9836. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE NATURAL RESOURCE MANAGER, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY THE NATIONAL PARK SERVICE, WATER RESOURCES DIVISION, 1201 OAKRIDGE DR., FORT COLLINS, CO, 80525. TEL. (970) 225-3514.

Parameter Inventory for Station: GOGA0201

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/05/99-12/29/99	78	10.	451.603	7800.	5.	1853679.541	1361.499	5.	5.	140.	1000.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/05/99-12/29/99	78	1.	1.483	3.892	0.699	0.92	0.959	0.699	0.699	2.146	3.
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			30.383								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/14/99-10/14/99	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/14/99-10/14/99	1 ##	0.699	0.699	0.699	0.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0201

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	78	8	0.10	6	0	0.00	72	8	0.11						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	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: GOGA0202

NPS Station ID: GOGA0202 LAT/LON: 37.806749/-122.448311 Agency: 11NPSWRD Date Created: 12/31/99
Location: SAN FRANCISCO BAY AT ST. FRANCIS YACHT CLUB FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_203
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH, CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, IN THE SURF IN SAN FRANCISCO BAY AT ST. FRANCIS YACHT CLUB AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA) BOUNDARIES AND WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO (CCSF) DEPARTMENT OF PUBLIC WORKS BEACH MONITORING EFFORT AND INCLUDE BACTERIA COUNTS. FOR MORE INFORMATION ON THIS STUDY, CONTACT CCSF BUREAU OF POLLUTION CONTROL, 750 PHELPS ST., SAN FRANCISCO, CA, 94124. TEL. (415) 296-9836. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE NATURAL RESOURCE MANAGER, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY THE NATIONAL PARK SERVICE, WATER RESOURCES DIVISION, 1201 OAKRIDGE DR., FORT COLLINS, CO, 80525. TEL. (970) 225-3514.

Parameter Inventory for Station: GOGA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	1291	18.	134.878	16000.	1.	602497.645	776.207	5.	5.	50.	190.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	1291	1.255	1.342	4.204	0.	0.446	0.668	0.699	0.699	1.699	2.279
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			21.957								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	345	10.	53.033	3000.	1.	50647.507	225.05	2.5	5.	27.	65.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	345	1.	1.069	3.477	0.	0.363	0.602	0.398	0.699	1.431	1.816
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.719								
31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	324	5.	31.452	1600.	1.	21499.401	146.627	1.	2.5	13.5	39.
31649	LOG ENTEROCOCCI- ME-MF N0/1	10/20/92-12/28/94	324	0.699	0.793	3.204	0.	0.348	0.59	0.	0.398	1.129	1.591
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			6.209								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0202

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1291	30	0.02	509	3	0.01	367	18	0.05	415	9	0.02			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	345	15	0.04	127	3	0.02	117	7	0.06	101	5	0.05			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	324	33	0.10	125	7	0.06	111	16	0.14	88	10	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 1992 - Station GOGA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	35	32.	626.886	16000.	1.	7464910.81	2732.199	5.	12.	140.	436.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	35	1.505	1.636	4.204	0.	0.687	0.829	0.699	1.079	2.146	2.63
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			43.26								

** - 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 1993 - Station GOGA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	155	24.	201.432	8800.	2.	597356.711	772.889	5.	10.	120.	400.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	155	1.38	1.516	3.944	0.301	0.569	0.754	0.699	1.	2.079	2.602
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			32.791								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	156	20.	74.035	2600.	2.5	52874.02	229.944	2.5	10.	55.75	153.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	156	1.301	1.365	3.415	0.398	0.374	0.612	0.398	1.	1.746	2.184
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			23.166								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	157	20.	161.115	4700.	2.5	317820.182	563.755	5.	5.	90.	206.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	157	1.301	1.436	3.672	0.398	0.525	0.725	0.699	0.699	1.954	2.313
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			27.313								

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

Annual Analysis for 1996 - Station GOGA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	159	40.	155.997	3600.	2.5	196432.299	443.207	5.	10.	100.	360.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	159	1.602	1.551	3.556	0.398	0.498	0.706	0.699	1.	2.	2.556
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			35.545								

** - 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

Annual Analysis for 1997 - Station GOGA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	159	10.	130.723	7200.	5.	392716.733	626.671	5.	5.	50.	190.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	159	1.	1.314	3.857	0.699	0.457	0.676	0.699	0.699	1.699	2.279
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			20.618								

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

Annual Analysis for 1998 - Station GOGA0202

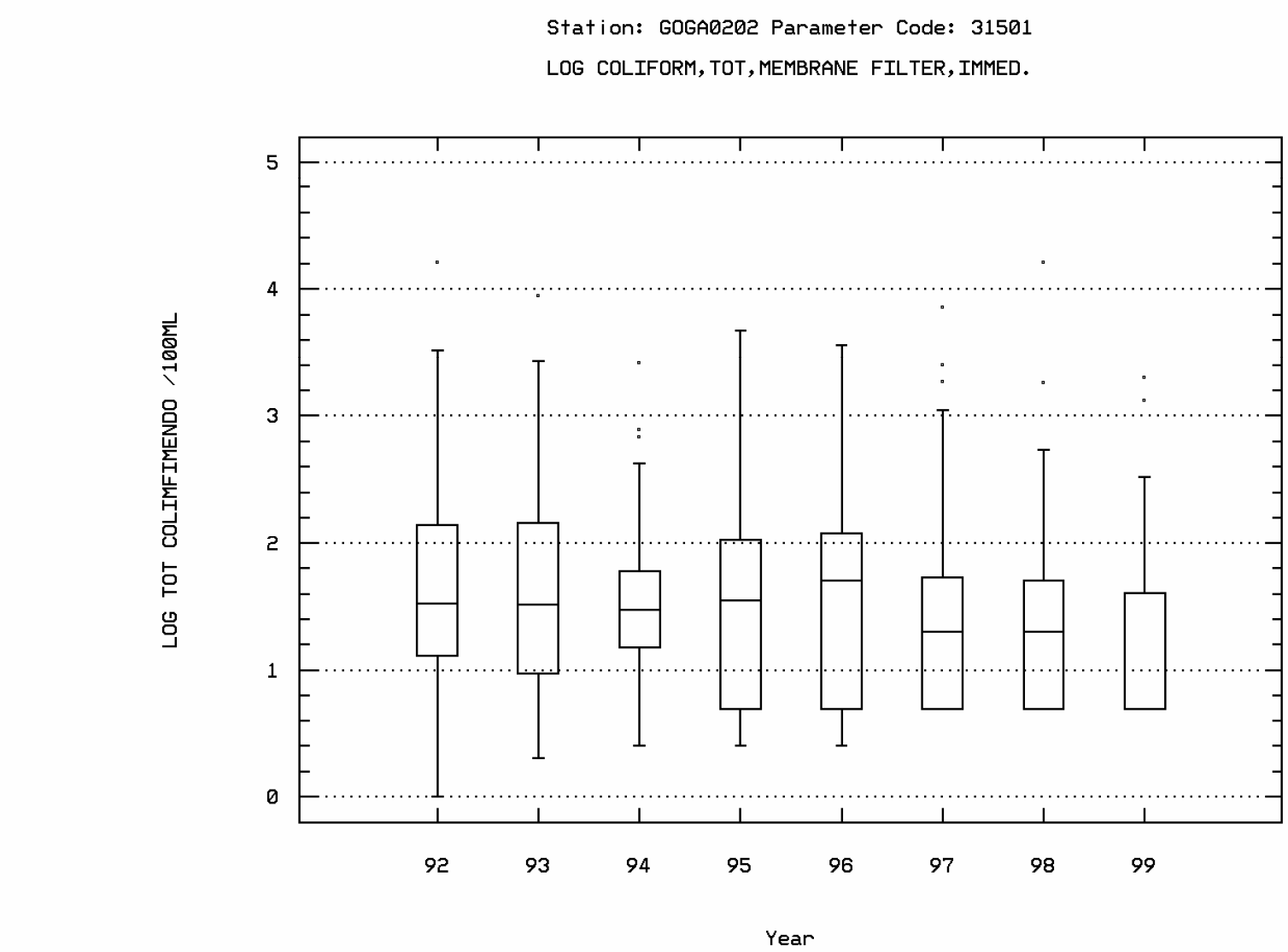
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	156	10.	151.032	16000.	5.	1656180.457	1286.927	5.	5.	30.	128.6
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	156	1.	1.199	4.204	0.699	0.358	0.599	0.699	0.699	1.477	2.109
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.798								

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

Annual Analysis for 1999 - Station GOGA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	314	10.	47.678	2000.	5.	36762.085	191.734	5.	5.	30.	80.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	314	1.	1.143	3.301	0.699	0.274	0.523	0.699	0.699	1.477	1.903
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.891								

** - 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



SAN FRANCISCO BAY AT ST. FRANCIS YACHT

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	509	10.	42.117	2000.	2.	23207.039	152.339	5.	5.	30.	70.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	509	1.	1.126	3.301	0.301	0.281	0.531	0.699	0.699	1.477	1.845
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.361								

** - 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

Seasonal Analysis for Season #2: 10/10 to 1/14 - Station GOGA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	367	20.	246.466	16000.	1.	1617764.497	1271.914	5.	5.	75.	330.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	367	1.301	1.463	4.204	0.	0.546	0.739	0.699	0.699	1.875	2.519
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			29.053								

** - 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

Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	415	20.	149.97	8800.	2.5	396828.186	629.943	5.	10.	100.	224.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	415	1.301	1.499	3.944	0.398	0.465	0.682	0.699	1.	2.	2.35
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			31.523								

** - Less than 9 observations ## - Computed 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: GOGA0203

NPS Station ID: GOGA0203 LAT/LON: 37.807552/-122.422121 Agency: 11NPSWRD Date Created: 12/31/99
Location: SAN FRANCISCO BAY AT HYDE STREET PIER FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_210.1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH, CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, IN THE SURF IN SAN FRANCISCO BAY AT HYDE STREET PIER AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA) BOUNDARIES AND WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO (CCSF) DEPARTMENT OF PUBLIC WORKS BEACH MONITORING EFFORT AND INCLUDE BACTERIA COUNTS. FOR MORE INFORMATION ON THIS STUDY, CONTACT CCSF BUREAU OF POLLUTION CONTROL, 750 PHELPS ST., SAN FRANCISCO, CA, 94124. TEL. (415) 296-9836. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE NATURAL RESOURCE MANAGER, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY THE NATIONAL PARK SERVICE, WATER RESOURCES DIVISION, 1201 OAKRIDGE DR., FORT COLLINS, CO, 80525. TEL. (970) 225-3514.

Parameter Inventory for Station: GOGA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/17/96-12/29/99	650	50.	180.562	16000.	2.	601834.888	775.78	5.	20.	120.	270.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/17/96-12/29/99	650	1.699	1.675	4.204	0.301	0.401	0.633	0.699	1.301	2.079	2.431
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			47.295								

** - Less than 9 observations ## - 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: GOGA0203

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	650	21	0.03	255	4	0.02	187	9	0.05	208	8	0.04			

& - 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 1996 - Station GOGA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/17/96-12/29/99	21	297.	615.095	2790.	20.	543307.59	737.094	41.6	100.	850.	1960.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/17/96-12/29/99	21	2.473	2.473	3.446	1.301	0.341	0.584	1.618	2.	2.929	3.287
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			297.404								

** - 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 box-and-whisker plot

Annual Analysis for 1997 - Station GOGA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/17/96-12/29/99	158	58.	214.316	5200.	2.	404620.332	636.098	5.	20.	150.	376.4
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/17/96-12/29/99	158	1.763	1.771	3.716	0.301	0.428	0.654	0.699	1.301	2.176	2.576
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			58.954								

** - 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 box-and-whisker plot

Annual Analysis for 1998 - Station GOGA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/17/96-12/29/99	154	52.	232.545	16000.	5.	1686004.72	1298.462	5.	10.	128.5	400.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/17/96-12/29/99	154	1.716	1.677	4.204	0.699	0.458	0.677	0.699	1.	2.109	2.602
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			47.569								

** - 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 1999 - Station GOGA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/17/96-12/29/99	317	40.	109.697	4800.	5.	164833.18	405.997	5.	20.	93.	190.4
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/17/96-12/29/99	317	1.602	1.573	3.681	0.699	0.311	0.558	0.699	1.301	1.968	2.28
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			37.41								

** - 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 box-and-whisker plot

Station Inventory for Station: GOGA0204

NPS Station ID: GOGA0204 LAT/LON: 37.807741/-122.423880 Agency: 11NPSWRD Date Created: 12/31/99
Location: SAN FRANCISCO BAY NEAR AQUATIC PARK FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_210
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH, CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, IN THE SURF IN SAN FRANCISCO BAY NEAR AQUATIC PARK AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA) BOUNDARIES AND WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO (CCSF) DEPARTMENT OF PUBLIC WORKS BEACH MONITORING EFFORT AND INCLUDE BACTERIA COUNTS. FOR MORE INFORMATION ON THIS STUDY, CONTACT CCSF BUREAU OF POLLUTION CONTROL, 750 PHELPS ST., SAN FRANCISCO, CA, 94124. TEL. (415) 296-9836. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE NATURAL RESOURCE MANAGER, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY THE NATIONAL PARK SERVICE, WATER RESOURCES DIVISION, 1201 OAKRIDGE DR., FORT COLLINS, CO, 80525. TEL. (970) 225-3514.

Parameter Inventory for Station: GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	864	100.	289.598	16000.	1.	642418.097	801.51	20.	45.	250.	600.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	864	2.	2.006	4.204	0.	0.37	0.608	1.301	1.653	2.398	2.778
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			101.421								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	480	50.	134.36	3400.	1.	100672.304	317.289	10.	20.	104.75	300.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	480	1.699	1.692	3.531	0.	0.346	0.588	1.	1.301	2.02	2.477
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			49.207								
31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	324	12.	28.989	800.	1.	3892.146	62.387	2.5	5.	30.	60.
31649	LOG ENTEROCOCCI- ME-MF N0/1	10/20/92-12/28/94	324	1.079	1.08	2.903	0.	0.311	0.558	0.398	0.699	1.477	1.778
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			12.022								

** - Less than 9 observations ## - 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: GOGA0204

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	864	43	0.05	320	9	0.03	249	16	0.06	295	18	0.06			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	480	73	0.15	189	26	0.14	159	33	0.21	132	14	0.11			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	323 &	62	0.19	126	15	0.12	110	29	0.26	87	18	0.21			

& - 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 1992 - Station GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	35	110.	421.086	6300.	1.	1207866.139	1099.03	20.	50.	320.	992.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	35	2.041	2.069	3.799	0.	0.485	0.697	1.301	1.699	2.505	2.922
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			117.25								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	33	52.	212.636	3000.	1.	315907.864	562.057	12.8	21.	100.	436.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	33	1.716	1.738	3.477	0.	0.427	0.654	1.106	1.322	2.	2.639
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			54.734								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	154	90.	363.513	16000.	2.	1894204.578	1376.301	18.	40.	250.	630.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	154	1.954	1.993	4.204	0.301	0.409	0.64	1.255	1.602	2.398	2.799
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			98.312								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	153	46.	130.66	1550.	1.	55052.581	234.633	10.	20.	122.5	332.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	153	1.663	1.697	3.19	0.	0.368	0.606	1.	1.301	2.088	2.521
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			49.802								

** - 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 1994 - Station GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	157	65.	189.93	6400.	5.	361086.912	600.905	10.	30.	135.	288.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	157	1.813	1.819	3.806	0.699	0.316	0.562	1.	1.477	2.13	2.459
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			65.954								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	157	40.	111.178	3400.	2.5	119086.744	345.089	5.	15.	87.5	182.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	157	1.602	1.578	3.531	0.398	0.329	0.573	0.699	1.176	1.942	2.26
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			37.847								

** - 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 box-and-whisker plot

Annual Analysis for 1995 - Station GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	159	100.	222.937	2700.	5.	109530.376	330.954	20.	48.	240.	600.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	159	2.	2.017	3.431	0.699	0.313	0.559	1.301	1.681	2.38	2.778
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			104.035								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	3	75.	113.333	225.	40.	9658.333	98.277	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	3	1.875	1.943	2.352	1.602	0.144	0.38	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			87.721								

** - 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 1996 - Station GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	160	160.	333.075	6000.	5.	345015.994	587.381	30.	70.	400.	720.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	160	2.204	2.19	3.778	0.699	0.311	0.557	1.477	1.845	2.602	2.857
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			154.95								

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

Annual Analysis for 1996 - Station GOGA0204

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	10/20/92-03/04/97	110	55.	142.	2300.	5.	78043.67	279.363	10.	30.	120.	309.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	110	1.739	1.811	3.362	0.699	0.277	0.526	1.	1.477	2.079	2.49
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			64.745								

** - 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 1997 - Station GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	159	100.	292.61	5300.	5.	446651.733	668.32	20.	34.	250.	570.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	159	2.	1.978	3.724	0.699	0.404	0.636	1.301	1.531	2.398	2.756
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			95.07								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	24	50.	169.583	1500.	5.	100660.688	317.271	5.	22.5	182.5	490.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	24	1.699	1.763	3.176	0.699	0.45	0.671	0.699	1.345	2.254	2.679
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			57.966								

** - 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 1998 - Station GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	39	120.	364.385	3200.	5.	532092.98	729.447	10.	60.	200.	1140.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	39	2.079	2.062	3.505	0.699	0.44	0.664	1.	1.778	2.301	3.057
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			115.366								

** - 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 1999 - Station GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	1	200.	200.	200.	200.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	1	2.301	2.301	2.301	2.301	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			200.								

** - Less than 9 observations ## - Computed 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: 5/15 to 10/09 - Station GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	320	60.	178.469	5300.	5.	165490.269	406.805	10.	30.	160.	436.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	320	1.778	1.841	3.724	0.699	0.328	0.572	1.	1.477	2.204	2.639
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			69.407								

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	249	130.	340.562	6400.	1.	532557.287	729.765	30.	60.	320.	640.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	249	2.114	2.136	3.806	0.	0.348	0.59	1.477	1.778	2.505	2.806
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			136.779								

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/17/99	295	114.	367.129	16000.	2.	1235269.772	1111.427	20.	48.	280.	764.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/17/99	295	2.057	2.075	4.204	0.301	0.388	0.623	1.301	1.681	2.447	2.883
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			118.897								

** - 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

Station Inventory for Station: GOGA0205

NPS Station ID: GOGA0205 LAT/LON: 37.807777/-122.442601 Agency: 11NPSWRD Date Created: 12/31/99
Location: SAN FRANCSICO BAY NEAR ST. FRANCIS YACHT CLUB FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_204
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH, CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, IN THE SURF IN SAN FRANCISCO BAY EAST OF ST. FRANCIS YACHT CLUB AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA) BOUNDARIES AND WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO (CCSF) DEPARTMENT OF PUBLIC WORKS BEACH MONITORING EFFORT AND INCLUDE BACTERIA COUNTS. FOR MORE INFORMATION ON THIS STUDY, CONTACT CCSF BUREAU OF POLLUTION CONTROL, 750 PHELPS ST., SAN FRANCISCO, CA, 94124. TEL. (415) 296-9836. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE NATURAL RESOURCE MANAGER, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY THE NATIONAL PARK SERVICE, WATER RESOURCES DIVISION, 1201 OAKRIDGE DR., FORT COLLINS, CO, 80525. TEL. (970) 225-3514.

Parameter Inventory for Station: GOGA0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/09/95	387	72.	298.422	16000.	1.	1606398.84	1267.438	10.	34.	168.	352.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/09/95	387	1.857	1.86	4.204	0.	0.409	0.639	1.	1.531	2.225	2.547
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			72.465								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	347	30.	133.03	16000.	1.	811176.076	900.653	5.	12.	60.	146.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-01/05/95	347	1.477	1.459	4.204	0.	0.386	0.621	0.699	1.079	1.778	2.164
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			28.79								
31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	326	10.	68.359	16000.	1.	784356.905	885.639	2.	5.	20.	52.6
31649	LOG ENTEROCOCCI- ME-MF N0/1	10/20/92-12/28/94	326	1.	0.974	4.204	0.	0.303	0.55	0.301	0.699	1.301	1.721
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			9.416								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0205

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	387	18	0.05	129	1	0.01	125	9	0.07	133	8	0.06			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	347	24	0.07	128	1	0.01	118	14	0.12	101	9	0.09			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	326	49	0.15	127	5	0.04	111	28	0.25	88	16	0.18			

& - 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 1992 - Station GOGA0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/09/95	35	134.	246.371	2700.	1.	206235.887	454.132	12.8	60.	290.	478.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/09/95	35	2.127	2.031	3.431	0.	0.417	0.646	1.033	1.778	2.462	2.676
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			107.437								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/09/95	155	50.	401.871	16000.	2.	3522203.464	1876.753	7.6	20.	130.	400.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/09/95	155	1.699	1.759	4.204	0.301	0.506	0.712	0.88	1.301	2.114	2.602
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			57.375								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/09/95	159	70.	223.349	5040.	2.5	402612.993	634.518	10.	35.	130.	325.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/09/95	159	1.845	1.842	3.702	0.398	0.331	0.576	1.	1.544	2.114	2.512
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			69.538								

** - 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 1995 - Station GOGA0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-08/09/95	38	178.	238.526	2100.	5.	114587.013	338.507	53.6	111.25	240.	348.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-08/09/95	38	2.25	2.191	3.322	0.699	0.171	0.413	1.729	2.046	2.38	2.541
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			155.286								

** - Less than 9 observations ## - Computed 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: GOGA0206

NPS Station ID: GOGA0206 LAT/LON: 37.808192/-122.469896 Agency: 11NPSWRD Date Created: 07/11/98
Location: STORM WATER FROM PARKING AREA NEAR LONG AVENUE FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM/RUNOFF STORET Station ID(s): GOGA_DM_SL1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH; CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SAMPLES FOR THIS SITE WERE COLLECTED FROM THE STORM RUNOFF AT THE PARKING AREA NORTHWEST OF BUILDING 979 NEAR LONG AVENUE WHICH IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED 23 JANUARY; 6 FEBRUARY; AND 17 FEBRUARY 1994. ALL SAMPLES WERE ANALYZED BY DAMES AND MOORE; 3700 LAKEVILLE HIGHWAY; PETALUMA CALIFORNIA 94954. THE RESULTS ARE IN "PRESIDIO OF SAN FRANCISCO STORM WATER MANAGEMENT PLAN" (PREPARED FOR THE NATIONAL PARK SERVICE; OCTOBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0206

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	01/23/94-02/17/94	3	28.	20.167	30.	2.5	235.083	15.332	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/23/94-02/17/94	3	160.	143.333	160.	110.	833.333	28.868	**	**	**	**
00400	PH (STANDARD UNITS)	01/23/94-02/06/94	2	7.7	7.7	7.8	7.6	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/23/94-02/06/94	2	7.689	7.689	7.8	7.6	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/94-02/06/94	2	0.02	0.02	0.025	0.016	0.	0.007	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/94-02/17/94	3	160.	126.667	180.	40.	5733.333	75.719	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/94-02/17/94	3	3.4	3.467	5.1	1.9	2.563	1.601	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/23/94-02/17/94	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/94-02/17/94	3	160.	164.167	330.	2.5	26827.083	163.79	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/94-02/17/94	3 ##	25.	48.	94.	25.	1587.	39.837	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/23/94-02/17/94	3	270.	208.333	330.	25.	26108.333	161.581	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/23/94-02/17/94	3 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	01/23/94-02/17/94	3 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/23/94-02/17/94	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/23/94-02/17/94	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/23/94-02/17/94	3	280.	266.667	330.	190.	5033.333	70.946	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	01/23/94-02/17/94	3 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/94-02/17/94	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03582	OIL AND GREASE, WATER, TOTAL MG/L	01/23/94-02/17/94	3	5.2	5.3	5.8	4.9	0.21	0.458	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/23/94-02/17/94	3	50000.	73866.667	170000.	1600.	7516853333.333	86699.789	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: GOGA0206

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/23/94-02/17/94	3	4.699	4.378	5.23	3.204	1.104	1.051	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			23869.664								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	01/23/94-02/17/94	3	1600.	17466.667	50000.	800.	793973333.333	28177.532	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	01/23/94-02/17/94	3	3.204	3.602	4.699	2.903	0.925	0.962	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			4000.								
31648	E. COLI - MTEC-MF N0/100ML	01/23/94-02/17/94	3	800.	16943.333	50000.	30.	819705633.333	28630.502	**	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	01/23/94-02/17/94	3	2.903	3.026	4.699	1.477	2.606	1.614	**	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			1062.659								
71900	MERCURY, TOTAL (UG/L AS HG)	01/23/94-02/17/94	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0206

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	2	0.67							3	2	0.67			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00							3	0	0.00			
		Drinking Water	4.	3	0	0.00							3	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.	3	0	0.00							3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2 &	2	1.00							2	2	1.00			
		Drinking Water	1300.	3	0	0.00							3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00							3	0	0.00			
		Drinking Water	15.	3	0	0.00							3	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	3	0	0.00							3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	3	1.00							3	3	1.00			
		Drinking Water	5000.	3	0	0.00							3	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	0 &	0	0.00												
		Drinking Water	6.	0 &	0	0.00												
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00							3	0	0.00			
		Drinking Water	50.	3	0	0.00							3	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	3	1.00							3	3	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	3	3	1.00							3	3	1.00			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	3	2	0.67							3	2	0.67			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00							3	0	0.00			
		Drinking Water	2.	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: GOGA0207

NPS Station ID: GOGA0207
LAT/LON: 37.808608/-122.402505
Agency: 1119REG9
Date Created: / /
Location: AT END OF SAN FRANCISCO PIER 35
FIPS State/County: 06001 CALIFORNIA/ALAMEDA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000174
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 8.170
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000207.71
RF3 Mile Point: 7.71
Distance from RF3: 0.50
On/Off RF3:
Description:
EAST BAY MUNICIPAL UTILITY DISTRICT, SPECIAL DISTRICT NO. 1, ALAMEDA COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY AT THE END OF SAN FRANCISCO PIER # 35. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THIS STATION IS LABELED 17 BY EAST BAY MUD.

Parameter Inventory for Station: GOGA0207

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: GOGA0208

NPS Station ID: GOGA0208 LAT/LON: 37.808882/-122.421167 Agency: 11NPSWRD Date Created: 12/31/99
Location: SAN FRANCISCO BAY AT AQUATIC PARK NR BATHROOMS FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN STORET Station ID(s): GOGA_CCSF_211
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH, CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, IN THE SURF IN SAN FRANCISCO BAY AT AQUATIC PARK NEAR BATHROOMS AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA) BOUNDARIES AND WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO (CCSF) DEPARTMENT OF PUBLIC WORKS BEACH MONITORING EFFORT AND INCLUDE BACTERIA COUNTS. FOR MORE INFORMATION ON THIS STUDY, CONTACT CCSF BUREAU OF POLLUTION CONTROL, 750 PHELPS ST., SAN FRANCISCO, CA, 94124. TEL. (415) 296-9836. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE NATURAL RESOURCE MANAGER, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY THE NATIONAL PARK SERVICE, WATER RESOURCES DIVISION, 1201 OAKRIDGE DR., FORT COLLINS, CO, 80525. TEL. (970) 225-3514.

Parameter Inventory for Station: GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	1309	72.	291.646	16000.	1.	870738.963	933.134	10.	30.	200.	520.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	1309	1.857	1.9	4.204	0.	0.425	0.652	1.	1.477	2.301	2.716
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			79.398								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	482	44.	121.698	3800.	1.	94634.406	307.627	5.	15.	100.	247.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	482	1.643	1.622	3.58	0.	0.371	0.609	0.699	1.176	2.	2.393
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			41.911								
31649	ENTEROCOCCI- ME-MF N0/100ML	10/20/92-12/28/94	325	10.	29.637	2100.	1.	14987.828	122.425	2.5	5.	24.5	50.
31649	LOG ENTEROCOCCI- ME-MF N0/1	10/20/92-12/28/94	325	1.	1.033	3.322	0.	0.29	0.539	0.398	0.699	1.389	1.699
31649	GM ENTEROCOCCI- ME-MF N0/10	GEOMETRIC MEAN =			10.792								

** - Less than 9 observations ## - 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: GOGA0208

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1309	70	0.05	518	13	0.03	374	35	0.09	417	22	0.05			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	482	66	0.14	191	7	0.04	159	36	0.23	132	23	0.17			
31649	ENTEROCOCCI, ME, MF	Marine Chronic	35.	324 &	51	0.16	127	6	0.05	109	24	0.22	88	21	0.24			

& - 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 1992 - Station GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	35	180.	374.257	3000.	1.	350789.961	592.275	36.8	80.	420.	1050.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	35	2.255	2.214	3.477	0.	0.392	0.626	1.563	1.903	2.623	2.995
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			163.733								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	33	94.	271.848	2600.	1.	253161.633	503.152	16.8	41.	321.	560.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	33	1.973	2.003	3.415	0.	0.437	0.661	1.225	1.61	2.506	2.746
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			100.582								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	155	84.	277.323	4400.	4.	482795.713	694.835	16.	40.	170.	478.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	155	1.924	1.935	3.643	0.602	0.372	0.61	1.204	1.602	2.23	2.679
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			86.134								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	154	40.	89.87	1300.	2.	27119.251	164.679	5.	14.	100.	216.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	154	1.602	1.573	3.114	0.301	0.336	0.58	0.699	1.146	2.	2.334
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			37.437								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	157	50.	191.191	7600.	5.	453816.938	673.659	15.	25.	155.	321.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	157	1.699	1.811	3.881	0.699	0.297	0.545	1.176	1.398	2.19	2.506
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			64.657								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	157	30.	93.774	2200.	2.5	54506.38	233.466	5.	10.	80.	186.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	157	1.477	1.516	3.342	0.398	0.357	0.597	0.699	1.	1.903	2.269
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			32.781								

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	159	95.	237.406	4200.	2.5	229505.007	479.067	20.	35.	230.	520.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	159	1.978	1.955	3.623	0.398	0.376	0.613	1.301	1.544	2.362	2.716
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			90.133								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	3	50.	63.333	105.	35.	1358.333	36.856	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	3	1.699	1.755	2.021	1.544	0.059	0.243	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			56.852								

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

Annual Analysis for 1996 - Station GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	160	100.	286.294	10000.	5.	699769.391	836.522	11.	50.	300.	627.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	160	2.	2.012	4.	0.699	0.37	0.608	1.03	1.699	2.477	2.797
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			102.907								

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

Annual Analysis for 1996 - Station GOGA0208

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	10/20/92-03/04/97	111	50.	83.018	640.	5.	12995.127	113.996	6.	10.	100.	208.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	111	1.699	1.592	2.806	0.699	0.303	0.55	0.759	1.	2.	2.318
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			39.05								

** - 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 1997 - Station GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	159	90.	330.648	4590.	5.	589106.85	767.533	10.	30.	200.	700.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	159	1.954	1.937	3.662	0.699	0.45	0.67	1.	1.477	2.301	2.845
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			86.535								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	24	110.	488.333	3800.	20.	822118.841	906.708	40.	70.	407.5	1950.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/92-03/04/97	24	2.04	2.238	3.58	1.301	0.348	0.59	1.588	1.845	2.61	3.264
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			172.904								

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

Annual Analysis for 1998 - Station GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	160	49.	392.4	16000.	5.	3440811.877	1854.943	5.	10.	140.	400.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	160	1.69	1.712	4.204	0.699	0.539	0.735	0.699	1.	2.146	2.602
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			51.485								

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

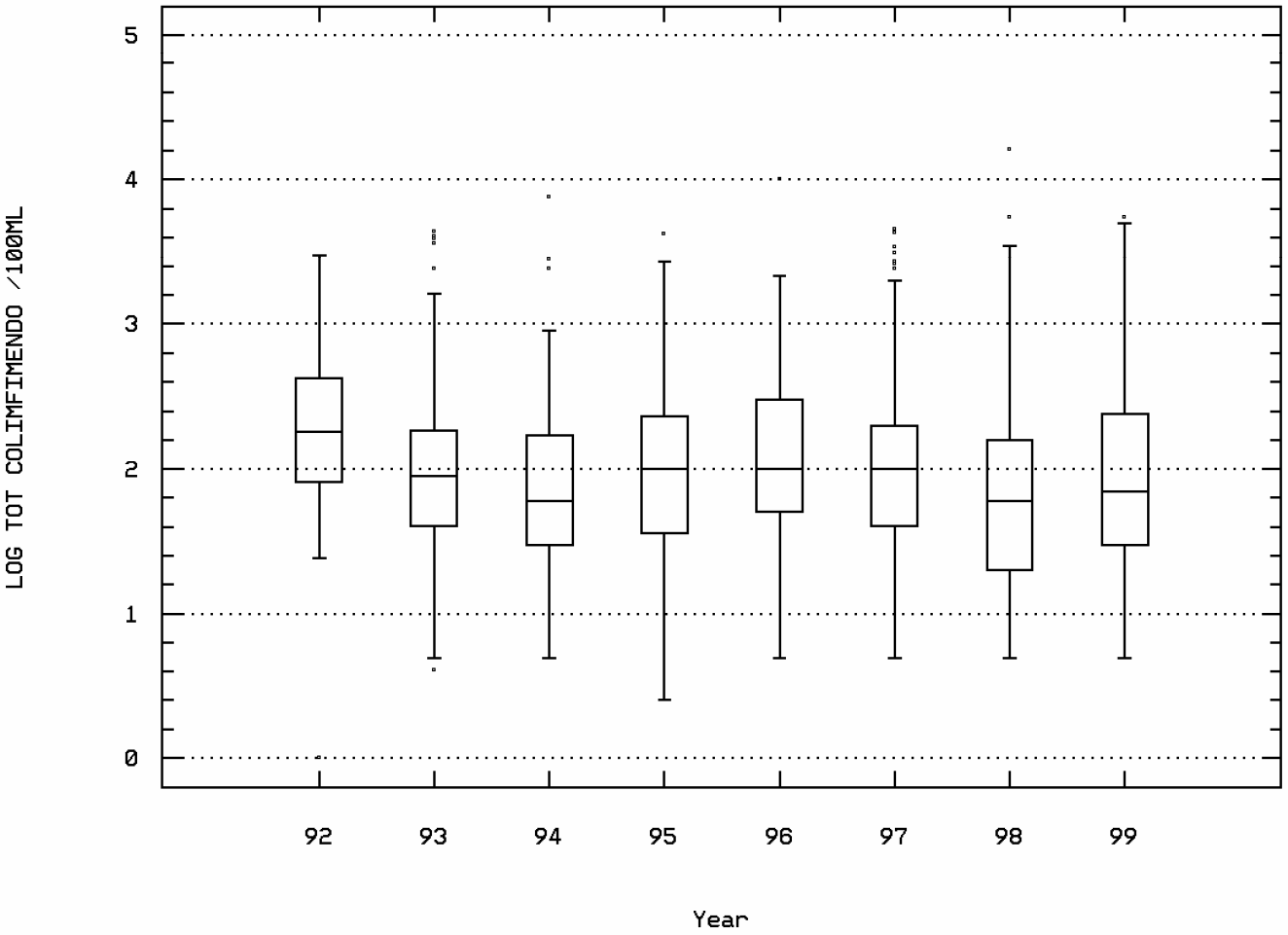
Annual Analysis for 1999 - Station GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	324	70.	298.617	5500.	5.	588085.017	766.867	10.	30.	200.	645.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	324	1.845	1.884	3.74	0.699	0.467	0.683	1.	1.477	2.301	2.809
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			76.569								

** - 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

Station: GOGA0208 Parameter Code: 31501

LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



SAN FRANCISCO BAY AT AQUATIC PARK NR BA

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	518	50.	136.369	5040.	5.	154517.823	393.088	5.	20.	110.	260.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	518	1.699	1.671	3.702	0.699	0.347	0.589	0.699	1.301	2.041	2.415
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			46.917								

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	374	120.	461.706	16000.	1.	1410830.004	1187.784	20.	53.5	400.	900.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	374	2.079	2.152	4.204	0.	0.413	0.643	1.301	1.728	2.602	2.954
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			141.79								

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/01/92-12/29/99	417	90.	332.008	16000.	2.5	1223115.825	1105.946	20.	30.	217.5	500.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/01/92-12/29/99	417	1.954	1.958	4.204	0.398	0.41	0.641	1.301	1.477	2.337	2.699
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			90.731								

** - 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

Station Inventory for Station: GOGA0209

NPS Station ID: GOGA0209 | LAT/LON: 37.808884/-122.469459 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: S.F.BAY AT FORT POINT | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN | STORET Station ID(s): E0B74842282 /2034001
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY | ECO Region:
RF1 Index: 18050002001 | RF1 Mile Point: 3.950 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050002017300.00 | RF3 Mile Point: 4.03 | Distance from RF3: 0.59 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 1064; ELEVATION: 1 ;
STATION NAME: S.F.BAY AT FORT POINT ; DWR COUNTY CODE: 38; LATITUDE: 374832; LONGITUDE: 1222810;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01S, RANGE 06, SECTION 36BBASE M;
USGS QUADRANGLE NUMBER: . 466; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/07/64-08/12/69	33	58.	56.212	63.	46.	26.11	5.11	46.4	53.	60.	61.6
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	10/07/64-11/17/66	2	23.	23.	40.	6.	578.	24.042	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/07/64-08/12/69	7	40000.	40714.286	45000.	38000.	4571428.571	2138.09	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/07/64-08/12/69	29	44900.	44255.172	51300.	35800.	25208990.148	5020.856	37000.	39250.	48700.	50600.
00300	OXYGEN, DISSOLVED MG/L	10/07/64-08/12/69	33	8.	8.055	15.5	6.	2.73	1.652	6.48	7.1	8.8	9.3
00310	BOD, 5 DAY, 20 DEG C MG/L	10/07/64-06/22/67	17	0.5	0.6	0.9	0.4	0.03	0.173	0.4	0.45	0.8	0.82
00335	COD, .025N K2CR2O7 MG/L	10/07/64-06/22/67	13	21.	32.846	141.	11.	1204.974	34.713	11.8	18.5	26.5	109.
00400	PH (STANDARD UNITS)	10/07/64-08/12/69	33	8.1	7.942	8.5	6.8	0.221	0.47	6.96	7.85	8.2	8.36
00400	CONVERTED PH (STANDARD UNITS)	10/07/64-08/12/69	33	8.1	7.596	8.5	6.8	0.345	0.587	6.96	7.85	8.2	8.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/07/64-08/12/69	33	0.008	0.025	0.158	0.003	0.002	0.045	0.004	0.006	0.014	0.12
00403	PH, LAB, STANDARD UNITS SU	10/07/64-06/02/66	2	7.85	7.85	7.9	7.8	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/07/64-06/02/66	2	7.847	7.847	7.9	7.8	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/07/64-06/02/66	2	0.014	0.014	0.016	0.013	0.	0.002	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/07/64-08/12/69	30	14.5	20.3	99.	8.	301.321	17.359	8.	10.	24.	34.9
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/07/64-10/07/64	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00552	OIL & GREASE (HEXANE EXTRACTION) TOTAL,REC.,MG/L	10/07/64-10/07/64	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/07/64-08/12/69	32	0.03	0.074	0.36	0.	0.009	0.095	0.	0.01	0.108	0.231
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/07/64-08/12/69	21	0.01	0.012	0.02	0.	0.	0.005	0.01	0.01	0.015	0.02
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/07/64-08/12/69	32	0.3	0.324	0.6	0.16	0.011	0.107	0.2	0.228	0.4	0.5
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	10/07/64-08/12/69	31	0.2	0.258	0.9	0.	0.056	0.236	0.	0.1	0.4	0.7
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/23/67-08/12/69	14	0.3	0.307	0.5	0.2	0.008	0.092	0.2	0.2	0.4	0.45
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	10/07/64-08/12/69	31	0.3	0.331	1.1	0.	0.086	0.293	0.016	0.1	0.4	0.88

** - Less than 9 observations ## - 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: GOGA0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/07/64-08/12/69	31	0.13	0.143	0.32	0.04	0.003	0.056	0.09	0.1	0.17	0.228
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/07/64-08/12/69	31	0.07	0.078	0.15	0.03	0.001	0.023	0.06	0.07	0.09	0.118
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	08/12/69-08/12/69	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/07/64-08/12/69	32	16650.	16102.5	18800.	12400.	4297490.323	2073.039	12600.	15000.	17900.	18370.
01020	BORON, DISSOLVED (UG/L AS B)	10/07/64-10/07/64	1	3700.	3700.	3700.	3700.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/02/66-06/22/67	12	0.5	0.75	2.	0.	0.75	0.866	0.	0.	1.75	2.
39040	S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE WTR-FPD UG/L	06/02/66-02/06/69	10	0.	0.004	0.04	0.	0.	0.013	0.	0.	0.	0.036
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/28/66-02/16/68	6	0.004	0.005	0.01	0.003	0.	0.003	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/14/68-10/14/68	1	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/28/66-03/28/66	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
49010	UNKNOWNC AS DDT IN WHOLE WATER SAMPLE (UG/L)	05/26/67-06/03/69	2	0.006	0.006	0.008	0.003	0.	0.004	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	06/02/66-06/02/66	1	46.	46.	46.	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: GOGA0209

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	33	0	0.00	16	0	0.00	7	0	0.00	10	0	0.00			
00400	PH	Marine Chronic	8.5	33	1	0.03	16	0	0.00	7	1	0.14	10	0	0.00			
		Other-Lo Lim.	6.5	33	0	0.00	16	0	0.00	7	0	0.00	10	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Marine Acute	0.16	6	0	0.00	2	0	0.00				4	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Marine Acute	0.13	1	0	0.00				1	0	0.00						
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Marine Acute	0.053	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: GOGA0210

NPS Station ID: GOGA0210
LAT/LON: 37.809165/-122.403898
Agency: 1119REG9
Date Created: / /
Location: AT END OF SAN FRANCISCO PIER 37
FIPS State/County: 06001 CALIFORNIA/ALAMEDA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000175
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 8.070
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000203.73
RF3 Mile Point: 5.81
Distance from RF3: 0.03
On/Off RF3:
Description:
EAST BAY MUNICIPAL UTILITY DISTRICT, SPECIAL DISTRICT NO. 1, ALAMEDA COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY AT THE END OF SAN FRANCISCO PIER # 37. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THIS STATION IS LABELED 18 BY EAST BAY MUD.

Parameter Inventory for Station: GOGA0210

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: GOGA0211

NPS Station ID: GOGA0211
LAT/LON: 37.809443/-122.408894
Agency: 1119REG9
Date Created: / /
Location: SAN FRANCISCO AT NORTHPOINT
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/MUN/TREATD/OUTFL/OCEAN
STORET Station ID(s): 6000200 /6000077A
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 999
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 7.670
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050004000108.75
RF3 Mile Point: 8.98
Distance from RF3: 0.02
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTHPOINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THIS STATION IS LOCATED AT ANY POINT IN THE OUTFALL FROM THE TREATMENT FACILITIES BETWEEN THE POINT OF DISCHARGE AND THE POINT AT WHICH ALL WASTE TRIBUTARY TO THAT OUTFALL IS PRESENT. THIS STATION IS LABELED E-1. THE DATA IS FROM EPA TESTING.

Parameter Inventory for Station: GOGA0211

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340	COD, .25N K2CR2O7 MG/L	05/16/72-05/16/72	1	230.	230.	230.	230.	0.	0.	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	05/17/72-05/17/72	2	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/16/72-05/16/72	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/16/72-05/16/72	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/16/72-05/16/72	1	2.86	2.86	2.86	2.86	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/22/72-07/31/72	5	290.	514.	1300.	200.	217380.	466.24	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/22/72-07/31/72	5	2.462	2.588	3.114	2.301	0.122	0.349	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			387.584								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/22/72-07/31/72	5	200.	173.4	200.	67.	3537.8	59.479	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/22/72-07/31/72	5	2.301	2.206	2.301	1.826	0.045	0.212	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			160.709								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/17/72-07/31/72	6	4.875	4.925	6.11	3.98	0.911	0.954	**	**	**	**
50084	BOD, PLANT EFFLUENT, 5 DAY, 20 DEG C MG/L	05/17/72-05/17/72	1	114.	114.	114.	114.	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: GOGA0211

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	1	0.20	5	1	0.20									
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	4	0.80	5	4	0.80									
50060	CHLORINE, TOTAL RESIDUAL	Marine Acute	0.013	6	6	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: GOGA0212

NPS Station ID: GOGA0212
LAT/LON: 37.809446/-122.422231
Agency: 1119REG9
Date Created: / /
Location: NEAR AQUATIC PARK IN S.F. BAY
FIPS State/County: 06001 CALIFORNIA/ALAMEDA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000176
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 6.570
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000203.73
RF3 Mile Point: 5.78
Distance from RF3: 0.01
On/Off RF3:
Description:
EAST BAY MUNICIPAL UTILITY DISTRICT, SPECIAL DISTRICT NO. 1, ALAMEDA COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY NEAR AQUATIC PARK IN SAN FRANCISCO. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THIS STATION IS LABELED 19 BY EAST BAY MUD.

Parameter Inventory for Station: GOGA0212

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: GOGA0213

NPS Station ID: GOGA0213
LAT/LON: 37.809995/-122.381398
Agency: 1119REG9
Date Created: / /
Location: 5000 FT OFFSHORE FROM PIER 23.
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000091
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002000203.73
RF3 Mile Point: 5.47
Distance from RF3: 0.31
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY 5000 FT OFFSHORE FROM THE END OF PIER 23. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THIS STATION IS LOCATED AT GRIDPOINT 23-10.

Parameter Inventory for Station: GOGA0213

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: GOGA0214

NPS Station ID: GOGA0214
LAT/LON: 37.810003/-122.425566
Agency: 21CAL-84
Date Created: 04/19/86
Location: CENTRAL S.F. BAY: MUNI PIER
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY/NRSHRE
STORET Station ID(s): SHWSF005 /293 /MUNI PIER
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 16
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 6.470
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 24.97
Distance from RF3: 0.66
On/Off RF3:
Description:
LOCATION: MUNI PIER IN SAN FRANCISCO AT AQUATIC PARK ON MUNICIPAL PIER. SET TWO RINGNETS ON EACH SIDE ABOUT TWO HUNDRED FEET FROM PARKING AREA.
SEE STATION 295 (SHNWSF46) FOR DETAILS OF METHODS. FOR TECHNICAL DETAILS CONTACT CA DEPT. FISH AND GAME 209-466-4421.

Parameter Inventory for Station: GOGA0214

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: GOGA0215

NPS Station ID: GOGA0215
LAT/LON: 37.810557/-122.404591
Agency: 1119REG9
Date Created: / /
Location: WITHIN 100 FT OF PIER 29 DISCHRG
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000083
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 7.960
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000203.73
RF3 Mile Point: 5.62
Distance from RF3: 0.02
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY WITHIN 100 FEET FROM THE POINT OF DISCHARGE AT PIER 29. THIS STATION IS LABELED C-3. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0215

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: GOGA0216

NPS Station ID: GOGA0216
LAT/LON: 37.810833/-122.405702
Agency: 1119REG9
Date Created: / /
Location: 100 FT OFFSHORE PIER 33 DISCHARG
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000081
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 7.810
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000203.73
RF3 Mile Point: 5.68
Distance from RF3: 0.17
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY WITHIN 100 FEET OFFSHORE FROM THE POINT OF DISCHARGE AT PIER 33. THIS STATION IS LABELED C-1. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0216

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: GOGA0217

NPS Station ID: GOGA0217 | LAT/LON: 37.811053/-122.476816 | Agency: 11NPSWRD | Date Created: 12/31/99
Location: SAN FRANCISCO BAY AT FORT POINT | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN | STORET Station ID(s): GOGA_CCSF_201
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN FRANCISCO NORTH, CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE, IN THE SURF IN SAN FRANCISCO BAY AT FORT POINT NORTH OF THE HISTORIC BUILDING AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA) BOUNDARIES AND WERE COLLECTED BY THE CITY AND COUNTY OF SAN FRANCISCO (CCSF) DEPARTMENT OF PUBLIC WORKS BEACH MONITORING EFFORT AND INCLUDE BACTERIA COUNTS. FOR MORE INFORMATION ON THIS STUDY, CONTACT CCSF BUREAU OF POLLUTION CONTROL, 750 PHELPS ST., SAN FRANCISCO, CA, 94124. TEL. (415) 296-9836. FOR MORE INFORMATION ABOUT GOGA, CONTACT THE NATURAL RESOURCE MANAGER, FORT MASON, BUILDING 201, SAN FRANCISCO, CA, 94123. TEL. (415) 561-4700. DATA WERE PROCESSED AND UPLOADED TO STORET BY THE NATIONAL PARK SERVICE, WATER RESOURCES DIVISION, 1201 OAKRIDGE DR., FORT COLLINS, CO, 80525. TEL. (970) 225-3514.

Parameter Inventory for Station: GOGA0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/01/95-12/29/99	874	10.	81.439	16000.	2.5	348042.855	589.952	5.	5.	40.	100.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/01/95-12/29/99	874	1.	1.186	4.204	0.398	0.356	0.597	0.699	0.699	1.602	2.
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.357								

** - Less than 9 observations ## - 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: GOGA0217

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	874	14	0.02	378	2	0.01	236	11	0.05	260	1	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 1995 - Station GOGA0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/01/95-12/29/99	95	10.	89.484	3400.	2.5	151860.582	389.693	5.	5.	20.	120.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/01/95-12/29/99	95	1.	1.132	3.531	0.398	0.406	0.637	0.699	0.699	1.301	2.079
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.547								

** - 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 1996 - Station GOGA0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/01/95-12/29/99	157	30.	109.076	2400.	5.	78032.11	279.342	5.	5.	93.	233.2
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/01/95-12/29/99	157	1.477	1.477	3.38	0.699	0.439	0.662	0.699	0.699	1.968	2.366
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			30.018								

** - 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 box-and-whisker plot

Annual Analysis for 1997 - Station GOGA0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/01/95-12/29/99	158	10.	72.994	2000.	5.	42573.433	206.333	5.	5.	50.	200.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/01/95-12/29/99	158	1.	1.258	3.301	0.699	0.403	0.635	0.699	0.699	1.699	2.301
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			18.109								

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

Annual Analysis for 1998 - Station GOGA0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/01/95-12/29/99	153	10.	185.771	16000.	5.	1759213.467	1326.353	5.	5.	40.	122.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/01/95-12/29/99	153	1.	1.219	4.204	0.699	0.437	0.661	0.699	0.699	1.602	2.085
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			16.573								

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

Annual Analysis for 1999 - Station GOGA0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/01/95-12/29/99	311 ##	5.	17.994	180.	5.	820.581	28.646	5.	5.	20.	50.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/01/95-12/29/99	311 ##	0.699	1.003	2.255	0.699	0.161	0.401	0.699	0.699	1.301	1.699
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			10.077								

** - Less than 9 observations ## - Computed 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: GOGA0218

NPS Station ID: GOGA0218
LAT/LON: 37.811385/-122.407924
Agency: 1119REG9
Date Created: / /
Location: 100 FT OFFSHORE PIER 35 DISCHARG
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000082
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 7.670
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000203.73
RF3 Mile Point: 5.73
Distance from RF3: 0.04
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY WITHIN 100 FEET OFFSHORE FROM THE POINT OF DISCHARGE AT PIER 35. THIS STATION IS LABELED C-2. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0218

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: GOGA0219

NPS Station ID: GOGA0219
LAT/LON: 37.811941/-122.409317
Agency: 1119REG9
Date Created: / /
Location: AT PT OF DISCHRG BTWN PIER 37&39
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000084
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 7.670
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000203.73
RF3 Mile Point: 5.73
Distance from RF3: 0.03
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY WITHIN 100 FEET FROM THE POINT OF DISCHARGE BETWEEN PIERS 37 AND 39 (CALLED BEACH STREET OUTFALL). THIS STATION IS LABELED C-4. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0219

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: GOGA0220

NPS Station ID: GOGA0220
LAT/LON: 37.811942/-122.492510
Agency: 21CAL-1
Date Created: 12/22/79
Location: MILAGRA VALLEY CREEK AT HWY 1
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E8855001 /2034003
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 2.100
Distance from RF1: 17.20
On/Off RF1: OFF
RF3 Index: 18050006022300.00
RF3 Mile Point: 0.00
Distance from RF3: 1.07
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 5 ;
STATION NAME: MILAGRA VALLEY CREEK AT HWY 1 ; DWR COUNTY CODE: 41; LATITUDE: 373843; LONGITUDE: 1222933;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 03S, RANGE 06, SECTION 26EBASE M;
USGS QUADRANGLE NUMBER: . 448; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0220

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: GOGA0221

NPS Station ID: GOGA0221 LAT/LON: 37.812499/-122.367506 Agency: 21CAL-84 Date Created: 02/15/86
Location: CENTRAL SAN FRANCISCO BAY: YERBA BUENA ISLAND FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY/NRSHRE STORET Station ID(s): ISTRS1 /276 /TREASURE ISL
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 3 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.65 On/Off RF3:
Description:
LOCATION: TREASURE ISLAND; NORTHERN SHORELINE OF YERBA BUENA ISLAND APPROXIMATELY 0.9 KM WEST OF THE SAN FRANCISCO-OAKLAND BAY BRIDGE. HISTORY: ESTABLISHED MID-1980 FOR MONITORING FISH AND CRUSTACEANS IN SHALLOW AREAS OF SAN FRANCISCO BAY; SAMPLED MONTHLY FROM AUG 1980 TO DATE; PROJECT ONGOING; THIS STATION IS SAMPLED REGULARLY. DATA TYPES: STATION NO.; DATE; SURVEY NO.; SURFACE TEMPERATURE AND EC; WAVES; CLOUD COVER; DEPTH AT START OF TOW(S); NET TYPE; TOW NO., LENGTH, WIDTH, TIME, AND CATCH CODE FOR EACH TOW; NUMBERS OF FISH AND CRUSTACEANS CAUGHT BY SPECIES, AND LENGTH FREQUENCIES. SAMPLING TECHNIQUES: TWO TOWS ARE USUALLY COMPLETED AT EACH STATION USING A 50FT X 4FT BEACH SEINE WITH 1/8 INCH DELTA MESH. EACH STATION IS SAMPLED MONTHLY DURING THE EARLY STAGES, OR AT THE BEGINNING OF AN INCOMING TIDE (DURING DAYLIGHT HOURS). FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH AND GAME: 209-466-4421

Parameter Inventory for Station: GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	74	16.3	15.654	21.1	6.6	11.065	3.326	11.05	12.95	18.1	19.95
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	74	42573.	39614.757	54320.	10975.	86230330.296	9286.029	24611.	35860.75	46139.75	48096.5

** - 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. **********

Annual Analysis for 1980 - Station GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	4	16.55	16.125	18.6	12.8	5.849	2.419	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	4	48395.	49052.5	54320.	45100.	20724491.667	4552.416	**	**	**	**

** - 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 1981 - Station GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	9	16.2	16.178	20.4	12.3	5.819	2.412	12.3	14.55	18.	20.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	9	44900.	42688.889	48200.	32800.	30746111.111	5544.918	32800.	37450.	47200.	48200.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	12	16.75	15.342	19.9	8.5	13.315	3.649	9.4	12.1	18.4	19.63
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	12	38140.5	35994.167	44438.	22100.	55011318.333	7416.962	23420.	29825.	42839.	44036.6

** - 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 1983 - Station GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	12	15.5	15.425	20.5	10.	13.262	3.642	10.	12.525	18.75	20.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	12	32241.	30923.583	41311.	11908.	82019910.083	9056.484	14845.6	23661.	38511.75	41265.7

** - 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 1984 - Station GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	12	15.55	15.35	20.1	6.6	16.037	4.005	7.95	12.85	18.75	20.07
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	12	45366.	42412.	48288.	26185.	40840400.727	6390.649	29527.9	38671.5	46890.75	48195.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	12	16.2	15.192	20.4	9.8	13.875	3.725	9.86	11.375	18.225	19.98
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	12	47564.	46899.75	49772.	42656.	4656467.114	2157.885	43037.6	45145.25	48559.25	49540.4

** - 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 GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	12	16.95	16.7	21.1	11.8	8.035	2.835	12.22	14.375	19.	20.89
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	12	42405.	36284.	46736.	10975.	146200434.909	12091.337	12748.9	26997.75	43501.5	46128.2

** - 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 1987 - Station GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	1	12.2	12.2	12.2	12.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	1	40920.	40920.	40920.	40920.	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: 5/15 to 10/09 - Station GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	29	18.6	18.648	21.1	16.	1.855	1.362	17.	17.5	19.95	20.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	29	44900.	43361.414	54320.	16888.	48044993.108	6931.45	36081.	41235.5	47817.	49000.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	20	14.1	13.75	18.	6.6	9.035	3.006	10.	11.625	16.2	17.41
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	20	42771.	41189.85	51390.	21700.	55814086.976	7470.883	27985.9	37680.75	46790.	48672.5

** - 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 #3: 1/15 to 5/14 - Station GOGA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-01/21/87	25	13.5	13.704	18.1	8.5	6.524	2.554	9.92	12.25	15.2	17.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/80-01/21/87	25	38307.	34008.56	45941.	10975.	110276937.34	10501.283	18023.2	26342.5	43331.5	45232.

** - Less than 9 observations ## - Computed 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: GOGA0222

NPS Station ID: GOGA0222
LAT/LON: 37.812778/-122.423625
Agency: 1119REG9
Date Created: / /
Location: 5000 FT OFFSHORE FROM PIER 41.
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000092
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 6.570
Distance from RF1: 8.50
On/Off RF1: OFF
RF3 Index: 18050002017300.00
RF3 Mile Point: 3.75
Distance from RF3: 0.51
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY 5000 FEET OFFSHORE FROM THE END OF PIER 41. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THIS STATION IS LOCATED AT GRIDPOINT 41-10.

Parameter Inventory for Station: GOGA0222

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: GOGA0223

NPS Station ID: GOGA0223 | LAT/LON: 37.814169/-122.476397 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: S.F.BAY AT GOLDEN GATE | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN | STORET Station ID(s): E0B74892286 /2034002
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY | ECO Region:
RF1 Index: 18050002001 | RF1 Mile Point: 3.200 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050002000201.62 | RF3 Mile Point: 1.88 | Distance from RF3: 0.02 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 765 ; ELEVATION: 1 ;
STATION NAME: S.F.BAY AT GOLDEN GATE ; DWR COUNTY CODE: 38; LATITUDE: 374851; LONGITUDE: 1222835;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01S, RANGE 06, SECTION BASE M;
USGS QUADRANGLE NUMBER: . 466; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/69-09/15/69	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/15/69-09/15/69	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	09/15/69-09/15/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	09/15/69-09/15/69	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/69-09/15/69	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/15/69-09/15/69	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/15/69-09/15/69	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	09/15/69-09/15/69	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: GOGA0223

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.

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

Station Inventory for Station: GOGA0224

NPS Station ID: GOGA0224
LAT/LON: 37.814442/-122.411819
Agency: 1119REG9
Date Created: / /
Location: 600 FT OUT, OFF END OF PIER 39
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000087
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 7.320
Distance from RF1: 9.90
On/Off RF1: OFF
RF3 Index: 18050002017200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.79
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL SEDIMENT STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY 600 FEET OFF THE END OF PIER 39 ON A RADIAL EXTENDING FROM PIER 39. THIS STATION IS LABELED B-39-2. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0224

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: GOGA0225

NPS Station ID: GOGA0225 LAT/LON: 37.814443/-122.368625 Agency: 21CAL-87 Date Created: 02/15/86
Location: SAN FRANCISCO BAY- TREASURE ISLAND BEACH FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): ISTRS1 /FWS33
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 2 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050004000116.85 RF3 Mile Point: 17.55 Distance from RF3: 0.04 On/Off RF3:
Description:
LOCATION- THE BEACH ON THE EAST SHORE OF TREASURE ISLAND ABOUT 200 YDS SOUTH OF YACHT HARBOR.
HISTORY- SAMPLED SINCE 1980 DATA TYPES- WATER TEMPERATURE (ALL YEARS), TURBIDITY (1983), LENGTH
AND TOTAL NUMBER OF ALL SPECIES CAUGHT (ALL YEARS), TAGGED SAMPLES ARE KEPT AND RECORDED.
SAMPLING TECHNIQUES- TYPICAL BEACH SEINING PROCEDURE USING A 4' X 50' NET WITH A 4' X 4' BAG. SAMPLING AREA FLUCTUATES WITH THE TIDE LEVEL.
FOR TECHNICAL DETAILS CONTACT U.S. FISH AND WILDLIFE SERVICE (209) 466-4421

Parameter Inventory for Station: GOGA0225

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0226

NPS Station ID: GOGA0226
LAT/LON: 37.814997/-122.405703
Agency: 1119REG9
Date Created: / /
Location: 1600 FT OFFSHOR PIER 33 DISCHARG
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000089
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 7.570
Distance from RF1: 7.10
On/Off RF1: OFF
RF3 Index: 18050002017200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.63
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY 1600 FEET OFFSHORE FROM THE POINT OF DISCHARGE AT PIER 33. THIS STATION IS LABELED 33-4. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0226

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: GOGA0227

NPS Station ID: GOGA0227
LAT/LON: 37.815558/-122.407925
Agency: 1119REG9
Date Created: / /
Location: 1600 FT OFFSHOR PIER 35 DISCHARG
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000090
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002001
RF1 Mile Point: 7.570
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000203.73
RF3 Mile Point: 5.62
Distance from RF3: 0.29
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY WITHIN 1600 FEET OFFSHORE FROM THE POINT OF DISCHARGE AT PIER 35. THIS STATION IS LABELED 35-4. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0227

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: GOGA0228

NPS Station ID: GOGA0228 | LAT/LON: 37.816662/-122.475561 | Agency: 21CAL-1 | Date Created: 08/18/78
Location: GOLDEN GATE AT GG BR NR SF TOWER | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E0B74902285 /2031203
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050002001 | RF1 Mile Point: 3.200 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050002003621.98 | RF3 Mile Point: 23.32 | Distance from RF3: 0.06 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 0 ;
STATION NAME: GOLDEN GATE AT GG BR NR SF TOWER ; DWR COUNTY CODE: 38; LATITUDE: 374900; LONGITUDE: 1222832;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01S, RANGE 05, SECTION BASE M;
USGS QUADRANGLE NUMBER: . 466; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/69-09/15/69	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/15/69-09/15/69	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	09/15/69-09/15/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	09/15/69-09/15/69	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/69-09/15/69	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/15/69-09/15/69	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/15/69-09/15/69	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	09/15/69-09/15/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/15/69-09/15/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	09/15/69-09/15/69	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: GOGA0228

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00618	NITRATE NITROGEN, DISSOLVED AS N	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: GOGA0229

NPS Station ID: GOGA0229 LAT/LON: 37.816661/-122.405008 Agency: 112WRD Date Created: 09/26/78
Location: SAN FRANCISCO BAY A ALCATRAZ ISLAND CA FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): 374900122241801
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 11.30 On/Off RF1:
RF3 Index: 18050004000100.00 RF3 Mile Point: 8.78 Distance from RF3: 1.08 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0229

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/77-11/08/78	6	14.2	14.167	16.2	11.8	2.119	1.456	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/09/77-11/08/78	6	7.2	7.567	9.	7.	0.599	0.774	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/09/77-11/08/78	6	86.5	86.667	94.	81.	21.867	4.676	**	**	**	**
00400	PH (STANDARD UNITS)	03/14/78-05/25/78	2	8.05	8.05	8.1	8.	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/14/78-05/25/78	2	8.047	8.047	8.1	8.	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/78-05/25/78	2	0.009	0.009	0.01	0.008	0.	0.001	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11/09/77-11/08/78	6	30.3	27.167	32.6	13.6	49.295	7.021	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	6	0.11	0.105	0.15	0.05	0.001	0.036	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	6	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-07/12/78	4	0.24	0.243	0.29	0.2	0.001	0.038	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/77-11/08/78	6	0.2	0.217	0.3	0.1	0.006	0.075	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/09/77-11/08/78	6	0.315	0.335	0.43	0.24	0.006	0.079	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/09/77-11/08/78	6	3.05	3.283	4.4	2.6	0.402	0.634	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/09/77-11/08/78	6	0.14	0.133	0.19	0.06	0.002	0.047	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/09/77-07/12/78	4	1.05	1.075	1.3	0.9	0.029	0.171	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/09/77-07/12/78	4	0.03	0.03	0.03	0.03	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: GOGA0229

Parameter				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
00400	PH	Marine Chronic	8.5	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

Station Inventory for Station: GOGA0230

NPS Station ID: GOGA0230 LAT/LON: 37.818331/-122.471675 Agency: 112WRD Date Created: 09/26/78
Location: SAN FRANCISCO BAY A GOLDEN GATE BRIDGE CA FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): 374906122281801
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 2.40 On/Off RF1:
RF3 Index: 18050002000203.73 RF3 Mile Point: 5.62 Distance from RF3: 0.42 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0230

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/77-11/08/78	28	13.8	13.636	14.5	12.1	0.333	0.577	12.79	13.525	13.975	14.23
00300	OXYGEN, DISSOLVED MG/L	11/09/77-11/08/78	28	7.4	7.414	9.1	6.4	0.449	0.67	6.6	6.9	7.8	8.37
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/09/77-11/08/78	28	85.	85.857	99.	76.	37.016	6.084	78.9	80.25	89.	95.4
00400	PH (STANDARD UNITS)	03/14/78-05/25/78	10	8.1	8.09	8.2	7.9	0.014	0.12	7.91	8.	8.2	8.2
00400	CONVERTED PH (STANDARD UNITS)	03/14/78-05/25/78	10	8.089	8.075	8.2	7.9	0.015	0.121	7.91	8.	8.2	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/78-05/25/78	10	0.008	0.008	0.013	0.006	0.	0.002	0.006	0.006	0.01	0.012
00480	SALINITY - PARTS PER THOUSAND	11/09/77-11/08/78	28	31.85	30.164	32.8	18.1	15.339	3.917	26.15	27.925	32.6	32.71
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	28	0.1	0.086	0.14	0.02	0.001	0.037	0.03	0.05	0.1	0.14
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	28	0.01	0.009	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/09/77-11/08/78	20	0.2	0.179	0.25	0.08	0.003	0.053	0.103	0.13	0.23	0.249
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/09/77-11/08/78	28	0.2	0.185	0.3	0.09	0.004	0.06	0.1	0.125	0.2	0.3
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/09/77-11/08/78	28	0.225	0.236	0.36	0.1	0.004	0.066	0.148	0.2	0.24	0.35
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/09/77-11/08/78	28	2.2	2.579	7.3	1.1	2.304	1.518	1.2	1.625	3.325	3.86
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/09/77-11/08/78	28	0.13	0.111	0.18	0.03	0.002	0.048	0.04	0.06	0.13	0.18
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/09/77-11/08/78	20	0.9	0.8	1.1	0.4	0.053	0.229	0.42	0.6	1.	1.1
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/09/77-11/08/78	20	0.03	0.03	0.03	0.03	0.	0.	0.03	0.03	0.03	0.03
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/09/77-05/25/78	4	11.5	11.75	15.	9.	6.25	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0230

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	28	0	0.00	14	0	0.00	9	0	0.00	5	0	0.00			
00400	PH	Marine Chronic	8.5	10	0	0.00	5	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	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: GOGA0231

NPS Station ID: GOGA0231 LAT/LON: 37.818608/-122.421398 Agency: 21CAL-82 Date Created: 02/15/86
Location: N SF BAY- MIDWAY BETWEEN ALCATRAZ ISL.AND SF. FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): RSAC005 /MWT201
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 100 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002001 RF1 Mile Point: 7.070 Distance from RF1: 16.60 On/Off RF1: OFF
RF3 Index: 18050002000210.31 RF3 Mile Point: 12.80 Distance from RF3: 1.49 On/Off RF3:
Description:
LOCATION-N SF BAY BETWEEN ALCATRAZ ISLAND AND SAN FRANCISCO. HISTORY-ESTABLISHED 1968 FOR MONITORING YOUNG STRIPED BASS FALL-WINTER ABUNDANCE. SAMPLING NOT DONE IN 1974,NOR SINCE 1978. DATA TYPES- EC, SECCHI,TEMPERATURE,(STATION DEPTH, BOAT SPEED,TIME OF TOW (FOR SOME RECENT YEARS)),NUMBER OF FISH CAUGHT BY SPECIES. SAMPLING TECHNIQUES- 12FTX12FT MIDWATER TRAWL WITH VARIABLE MESH. OBLIQUE TOWS FOR 12 MINUTES. SAMPLING DONE WITHOUT RESPECT TO TIDAL STAGE OR DIRECTION OF FLOW. FOR TECHNICAL DETAILS CONTACT CALIF FISH AND GAME 209-466-4421

Parameter Inventory for Station: GOGA0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-01/09/78	29	58.1	56.955	63.5	48.4	20.301	4.506	49.8	53.35	60.35	62.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-01/09/78	28	0.99	1.214	2.4	0.43	0.166	0.408	0.942	0.99	1.388	1.719
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-01/09/78	29	40320.	40418.448	51100.	23850.	52022409.47	7212.656	28620.	36782.	46233.5	49370.

** - Less than 9 observations ## - 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: 5/15 to 10/09 - Station GOGA0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-01/09/78	13	60.7	60.677	63.5	57.	4.475	2.115	57.44	58.85	62.6	63.42
00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-01/09/78	13	0.99	1.302	2.4	0.99	0.192	0.439	0.99	0.99	1.55	2.16
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-01/09/78	13	42290.	41979.769	51100.	28620.	50227123.359	7087.11	30528.	36420.	48185.	50888.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-01/09/78	12	55.	55.017	58.7	49.2	10.874	3.298	49.38	53.275	58.3	58.67
00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-01/09/78	11	1.3	1.241	1.71	0.51	0.131	0.362	0.606	0.99	1.6	1.71
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-01/09/78	12	41275.	40264.917	47590.	23850.	48571271.174	6969.309	25986.	38365.5	45916.25	47584.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-01/09/78	4	50.55	50.675	53.2	48.4	4.063	2.016	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-01/09/78	4	0.99	0.85	0.99	0.43	0.078	0.28	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-01/09/78	4	37270.	35804.75	44109.	24570.	67499963.583	8215.836	**	**	**	**

** - Less than 9 observations ## - Computed 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: GOGA0232

NPS Station ID: GOGA0232
Location: BUOY FI BELL #BR
Station Type: /TYPA/AMBNT/OCEAN
RMI-Indexes:
RMI-Miles:
HUC: 18050002
Major Basin: SAN FRANCISCO BAY
Minor Basin: SAN PABLO BAY
RF1 Index: 18050002001
RF3 Index: 18050002101300.00
Description:

LAT/LON: 37.818611/-122.402231

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 7.570
RF3 Mile Point: 0.00

Agency: 1110DFID
FIPS State/County: 06000 CALIFORNIA/
STORET Station ID(s): 720219
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.09

Date Created: / /

On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: GOGA0232

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0233

NPS Station ID: GOGA0233
Location: BUOY FI 4 SEC #4
Station Type: /TYPA/AMBNT/OCEAN
RMI-Indexes:
RMI-Miles:
HUC: 18050002
Major Basin: SAN FRANCISCO BAY
Minor Basin: SAN PABLO BAY
RF1 Index: 18050002
RF3 Index: 18050002016600.00
Description:

LAT/LON: 37.819442/-122.437230

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 1110DFID
FIPS State/County: 06000 CALIFORNIA/
STORET Station ID(s): 720224
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.14

Date Created: / /

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: GOGA0233

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0234

NPS Station ID: GOGA0234 | LAT/LON: 37.820835/-122.373900 | Agency: 21CAL-1 | Date Created: 08/06/76
Location: S.F. BAY A TREASURE ISL | FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN | STORET Station ID(s): E0B74922224 /2031201
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY | ECO Region:
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050006023700.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.24 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 765 ; ELEVATION: 0 ;
STATION NAME: S.F. BAY A TREASURE ISL ; DWR COUNTY CODE: 38; LATITUDE: 374915; LONGITUDE: 1222226;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01S, RANGE 05, SECTION BASE M;
USGS QUADRANGLE NUMBER: . 466; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	118	58.	57.47	70.	47.	26.459	5.144	49.9	53.	62.	64.
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	06/23/71-01/24/72	8	6.5	7.5	20.	3.	29.714	5.451	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	84	4.	5.313	34.	0.	22.297	4.722	1.	3.	7.	9.5
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	97	40500.	39394.845	55000.	15000.	41510858.57	6442.892	31010.	36000.	43175.	47420.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	104	41800.	40963.462	49900.	16900.	29217486.931	5405.32	34650.	38825.	44875.	46450.
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	118	7.6	7.797	15.	5.9	1.188	1.09	6.69	7.075	8.425	9.
00400p	PH (STANDARD UNITS)	10/19/66-01/31/79	115	8.	7.975	8.4	7.2	0.046	0.214	7.8	7.9	8.1	8.2
00400p	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	115	8.	7.911	8.4	7.2	0.05	0.223	7.8	7.9	8.1	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	115	0.01	0.012	0.063	0.004	0.	0.009	0.006	0.008	0.013	0.016
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	85	14.	18.482	231.	3.	687.562	26.221	6.	8.5	22.	26.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	01/31/79-01/31/79	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	109	0.02	0.035	0.54	0.	0.004	0.061	0.	0.	0.05	0.09
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-11/14/77	15	0.01	0.011	0.02	0.01	0.	0.004	0.01	0.01	0.01	0.02
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	109	0.25	0.252	0.6	0.06	0.008	0.087	0.15	0.195	0.295	0.38
00629p	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	109	0.1	0.192	1.4	0.	0.041	0.202	0.	0.1	0.2	0.5
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/24/67-01/31/79	15	0.3	0.347	0.6	0.2	0.008	0.092	0.26	0.3	0.4	0.48
00635p	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	109	0.2	0.223	1.4	0.	0.045	0.212	0.01	0.1	0.3	0.5
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	110	0.15	0.171	0.52	0.07	0.005	0.07	0.101	0.13	0.2	0.25
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	110	0.08	0.089	0.46	0.01	0.002	0.041	0.06	0.08	0.1	0.11
00672p	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	90	0.02	0.043	0.8	0.	0.008	0.09	0.	0.	0.043	0.089
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	113	16200.	15573.186	19800.	5400.	6236582.617	2497.315	12220.	14250.	17200.	18260.
39040	S,S,S-TRIBUTYL PHOSPHOROTRITHIOATE WTR-FPD UG/L	11/27/72-07/21/78	22	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 time series plot

Parameter Inventory for Station: GOGA0234

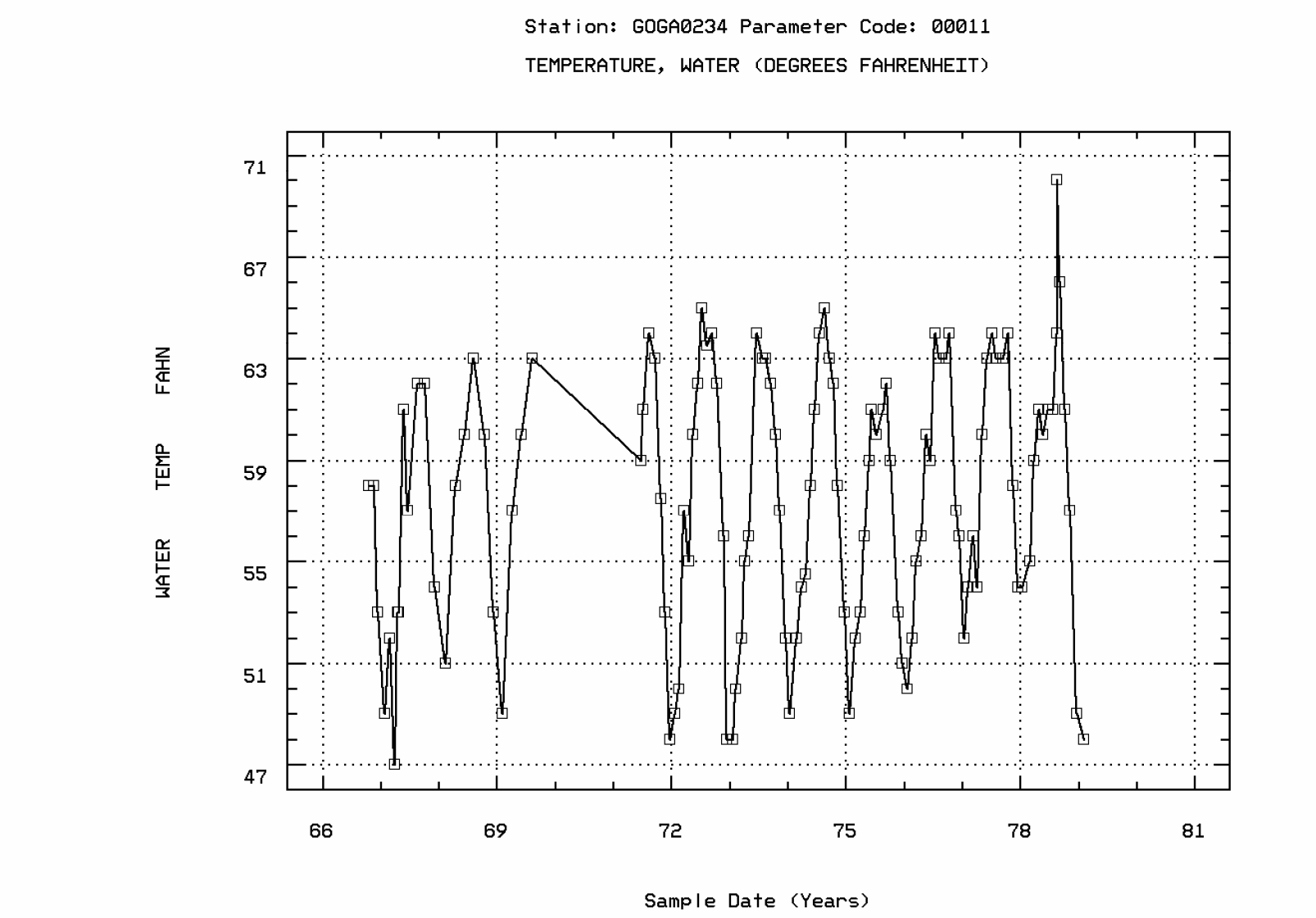
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39153	ATRAZINE &/OR SIMAZINE IN WHOLE WATER SAMPL UG/L	02/27/75-04/06/77	2	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39770	DACTHAL (DCPA) IN WHOLE WATER SAMPLE (UG/L)	09/13/73-09/13/73	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
49010	UNKNOWNC AS DDT IN WHOLE WATER SAMPLE (UG/L)	05/03/73-01/31/79	14	0.033	0.062	0.37	0.01	0.009	0.092	0.015	0.02	0.065	0.235
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/27/74-11/09/78	50	1.	0.968	1.6	0.3	0.092	0.304	0.6	0.7	1.2	1.39

** - 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 time series plot

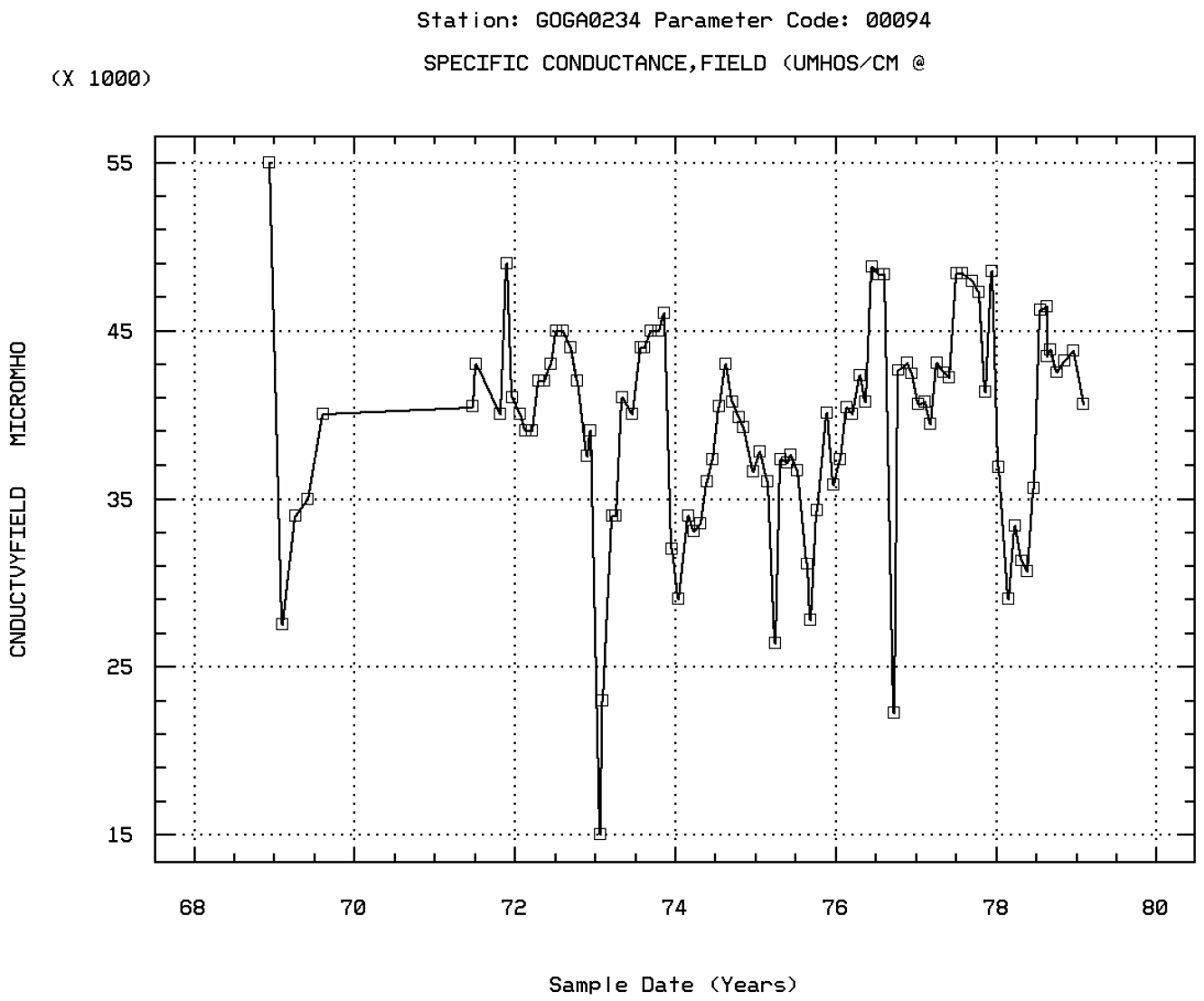
EPA Water Quality Criteria Analysis for Station: GOGA0234

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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.	84	0	0.00	35	0	0.00	22	0	0.00	27	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	118	0	0.00	48	0	0.00	32	0	0.00	38	0	0.00			
00400	PH	Marine Chronic	8.5	115	0	0.00	48	0	0.00	32	0	0.00	35	0	0.00			
		Other-Lo Lim.	6.5	115	0	0.00	48	0	0.00	32	0	0.00	35	0	0.00			

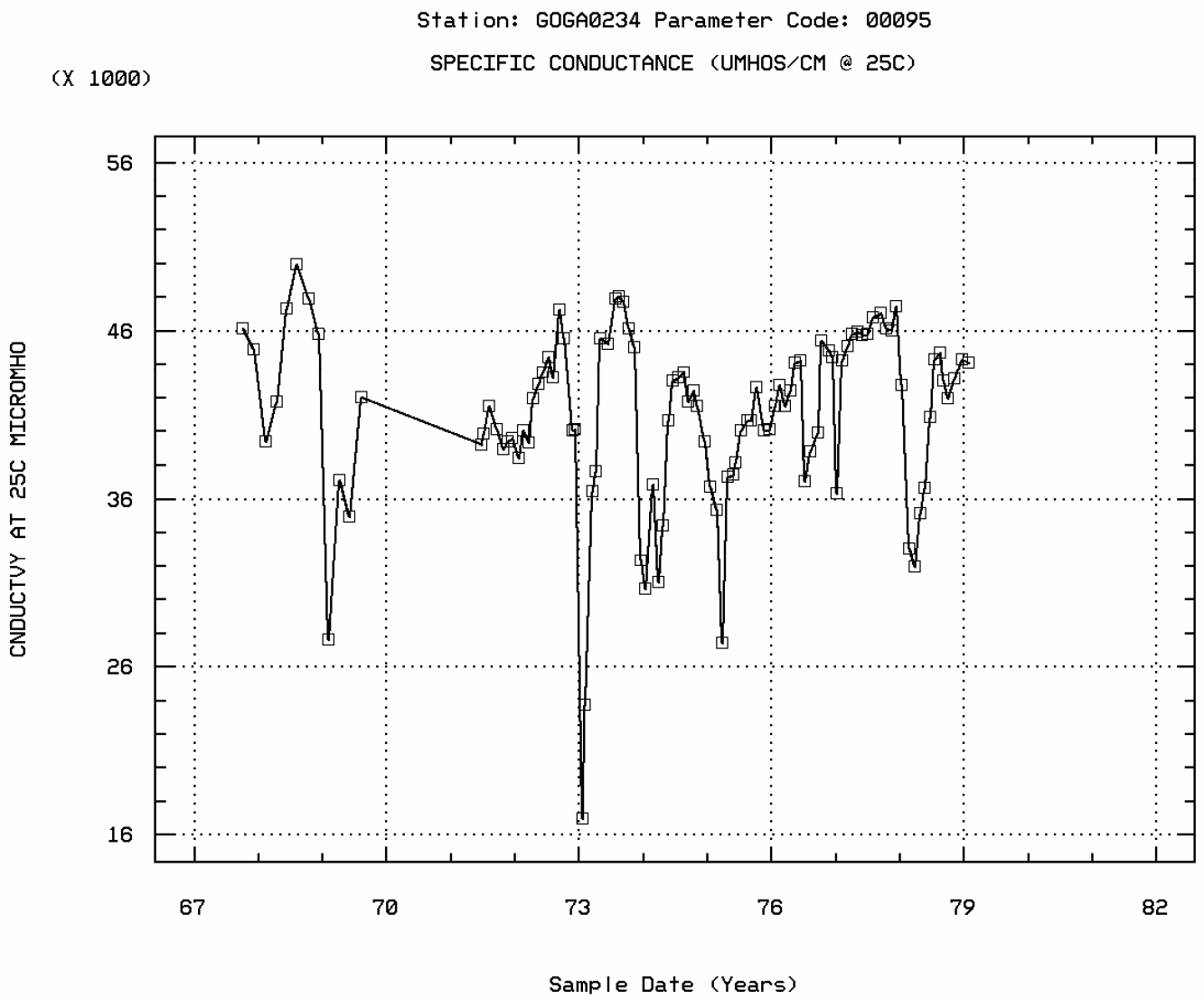
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



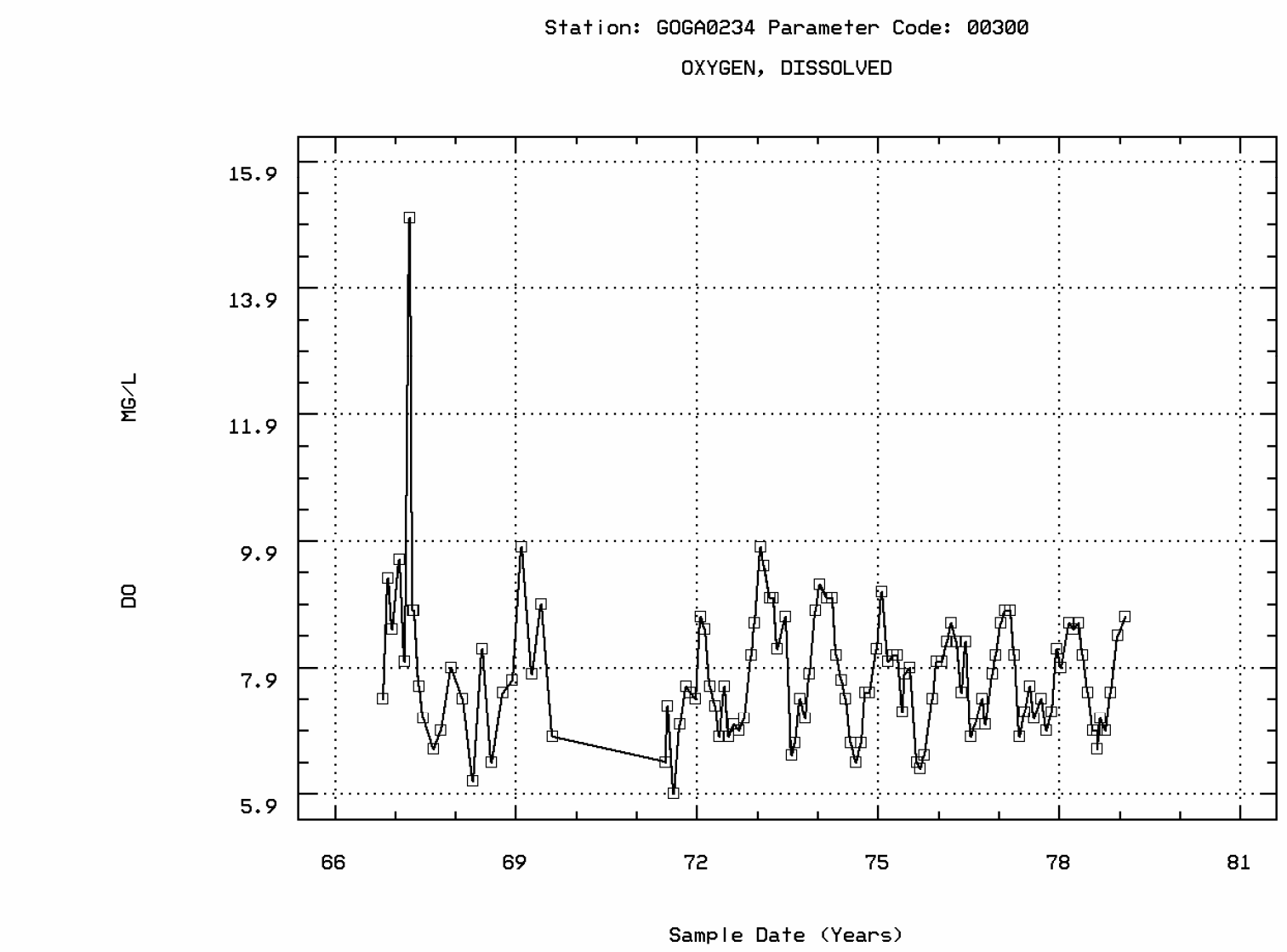
S.F. BAY A TREASURE ISL



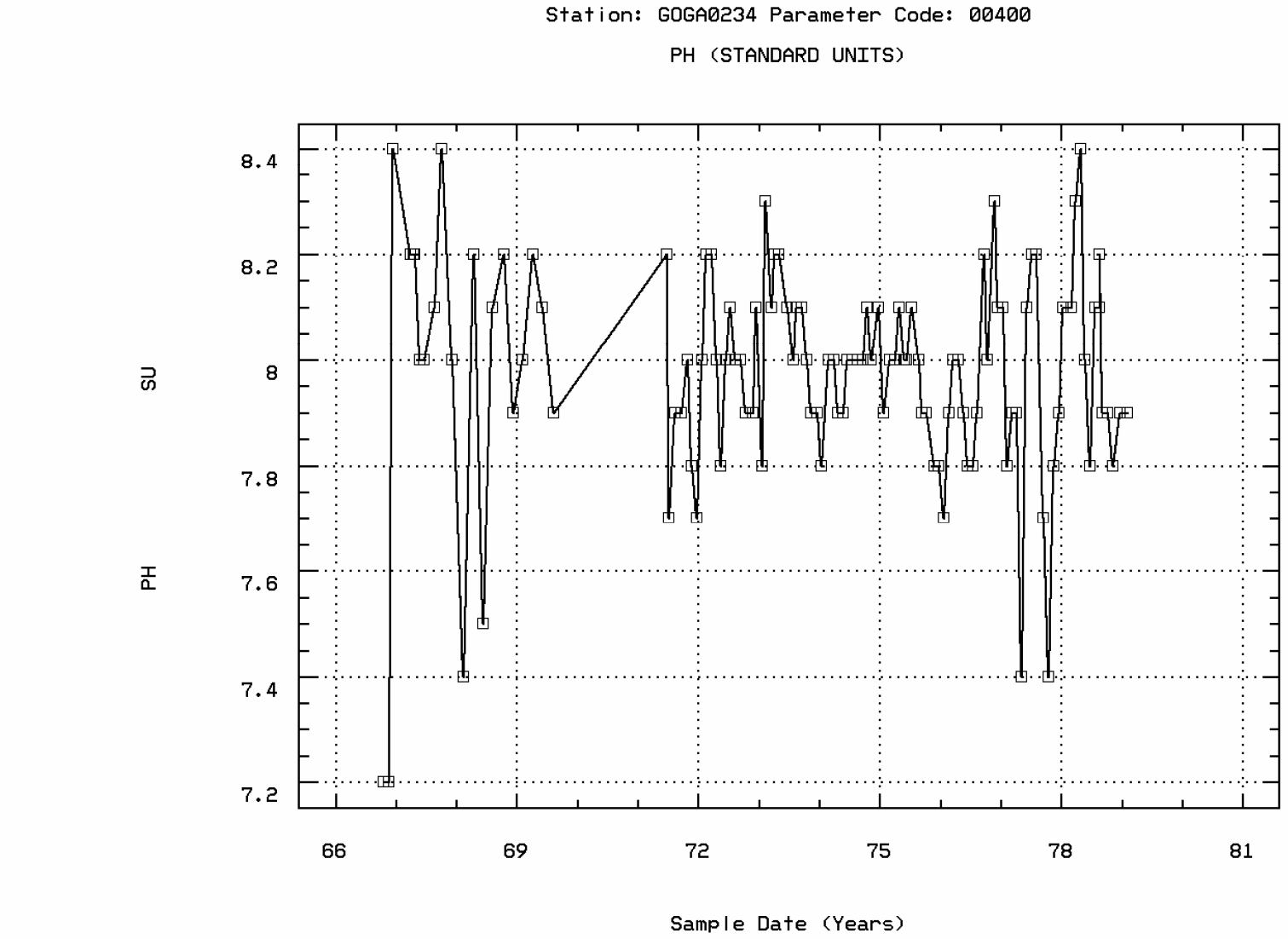
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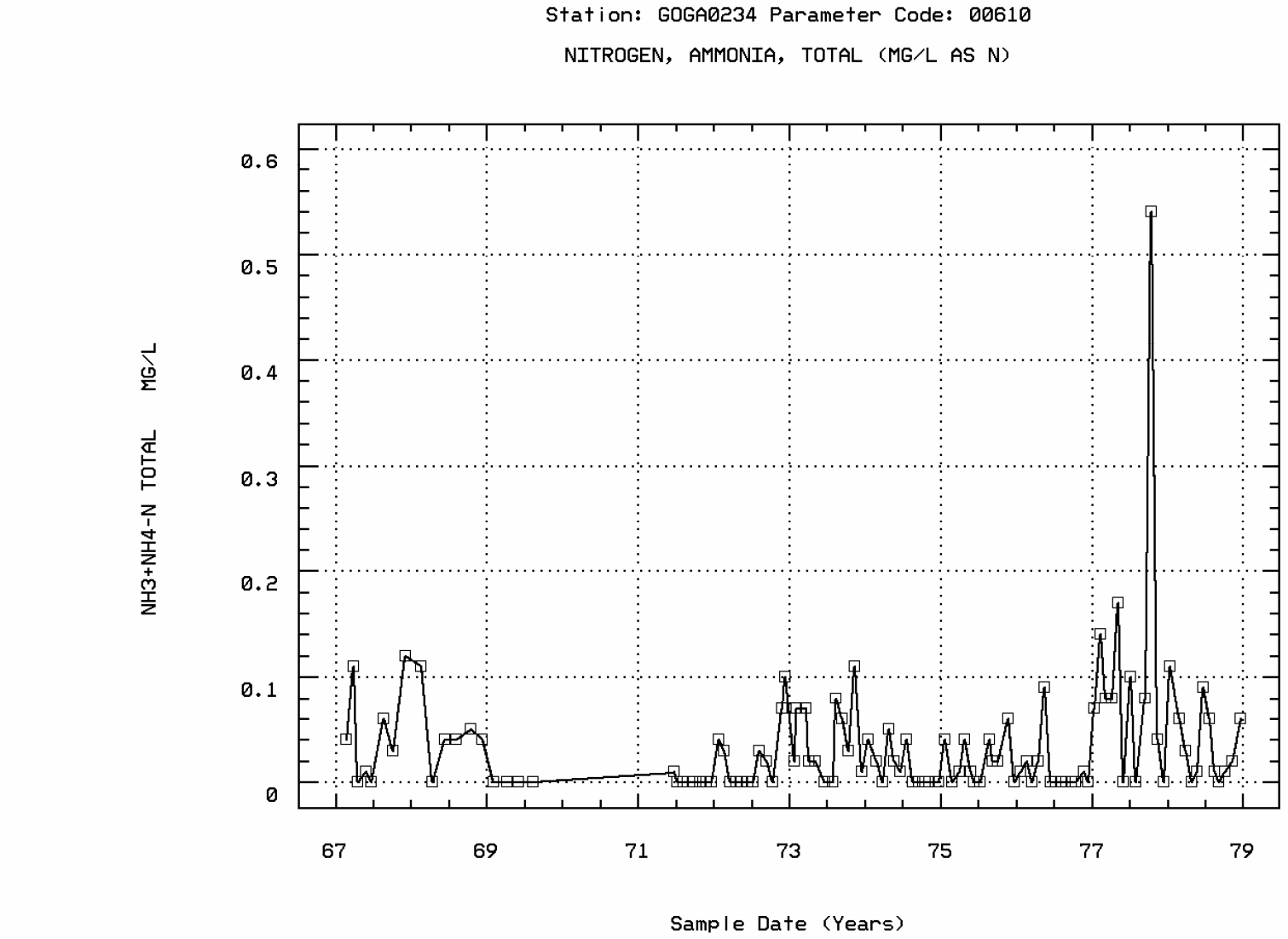
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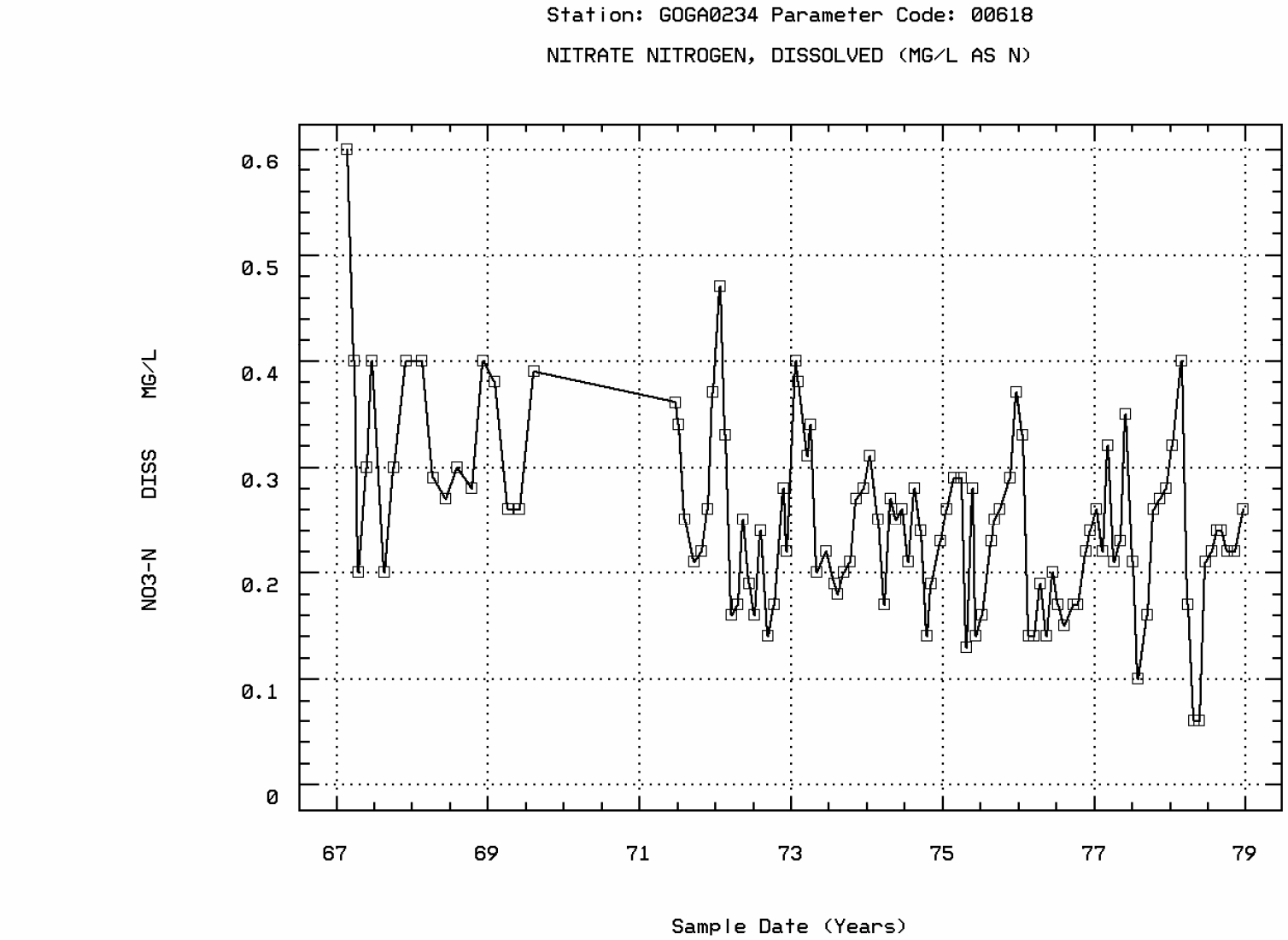
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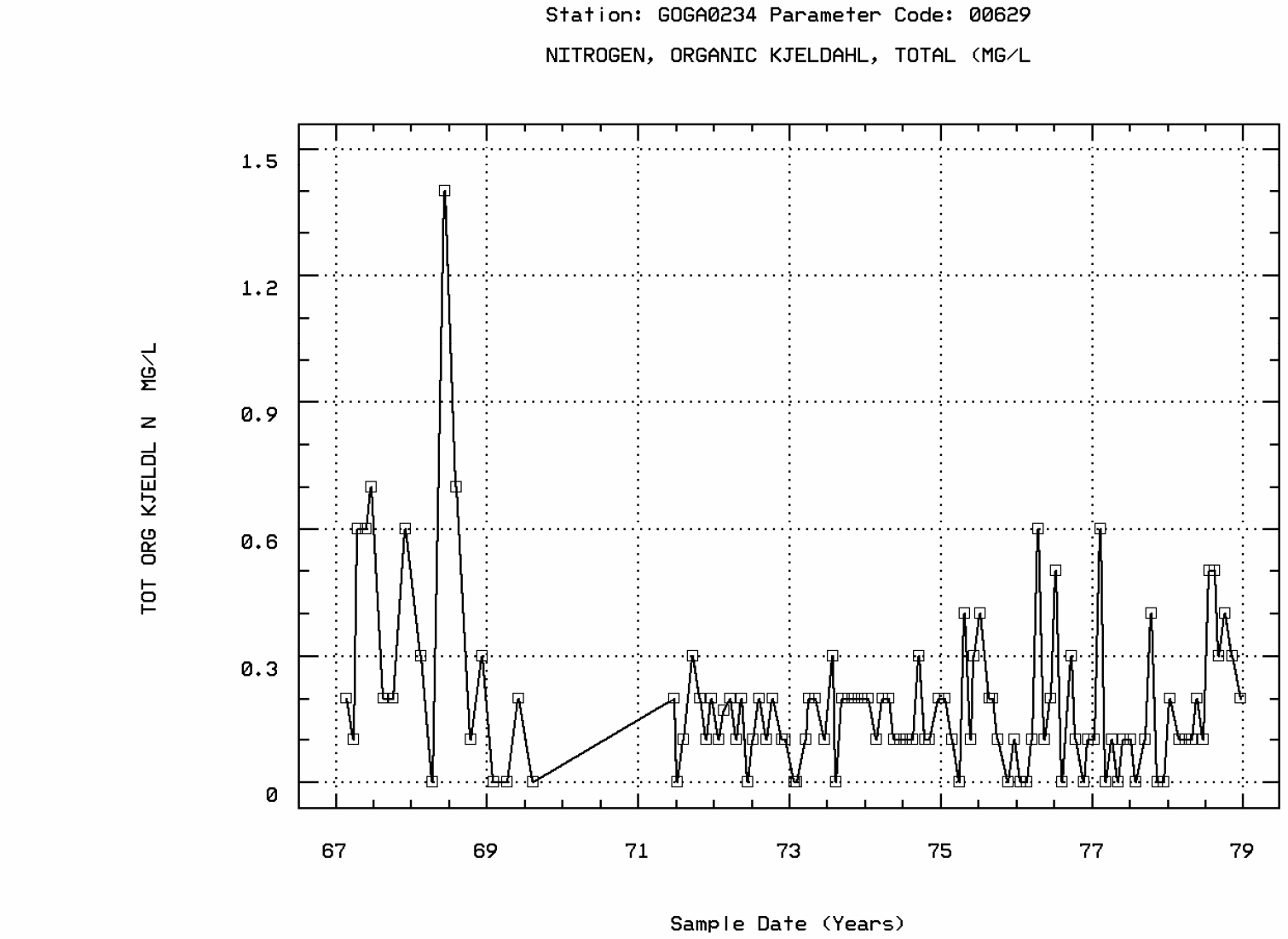
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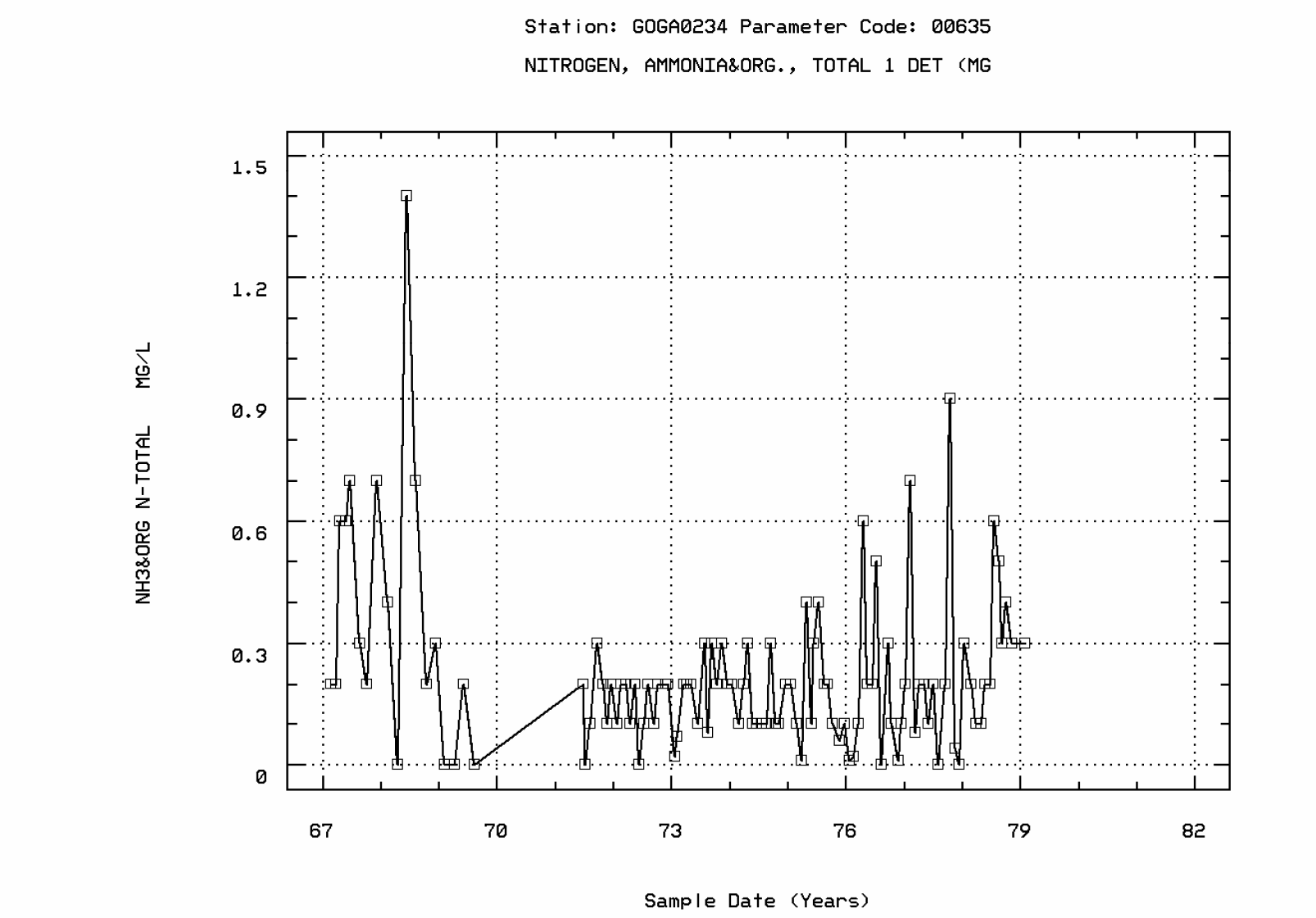
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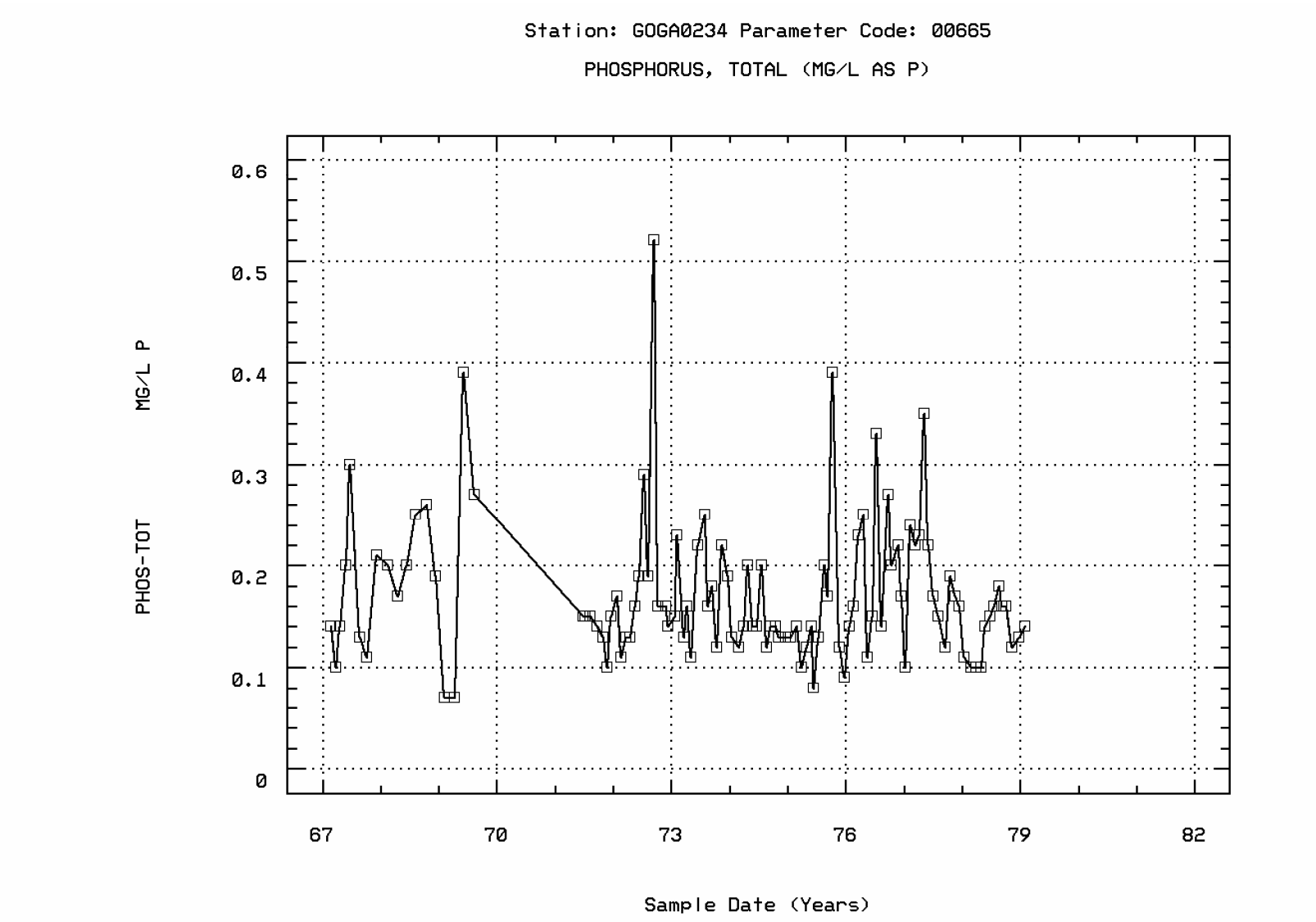
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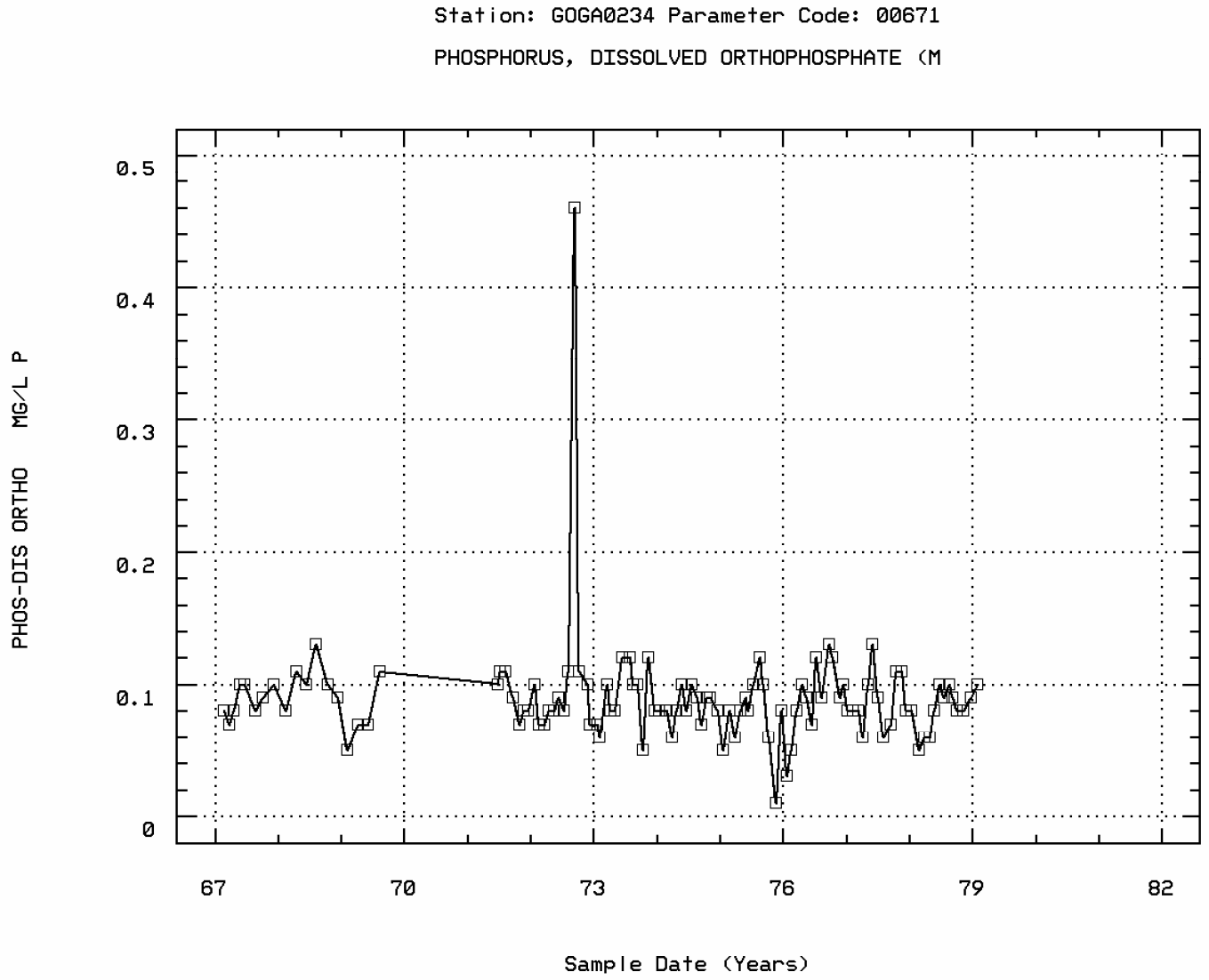
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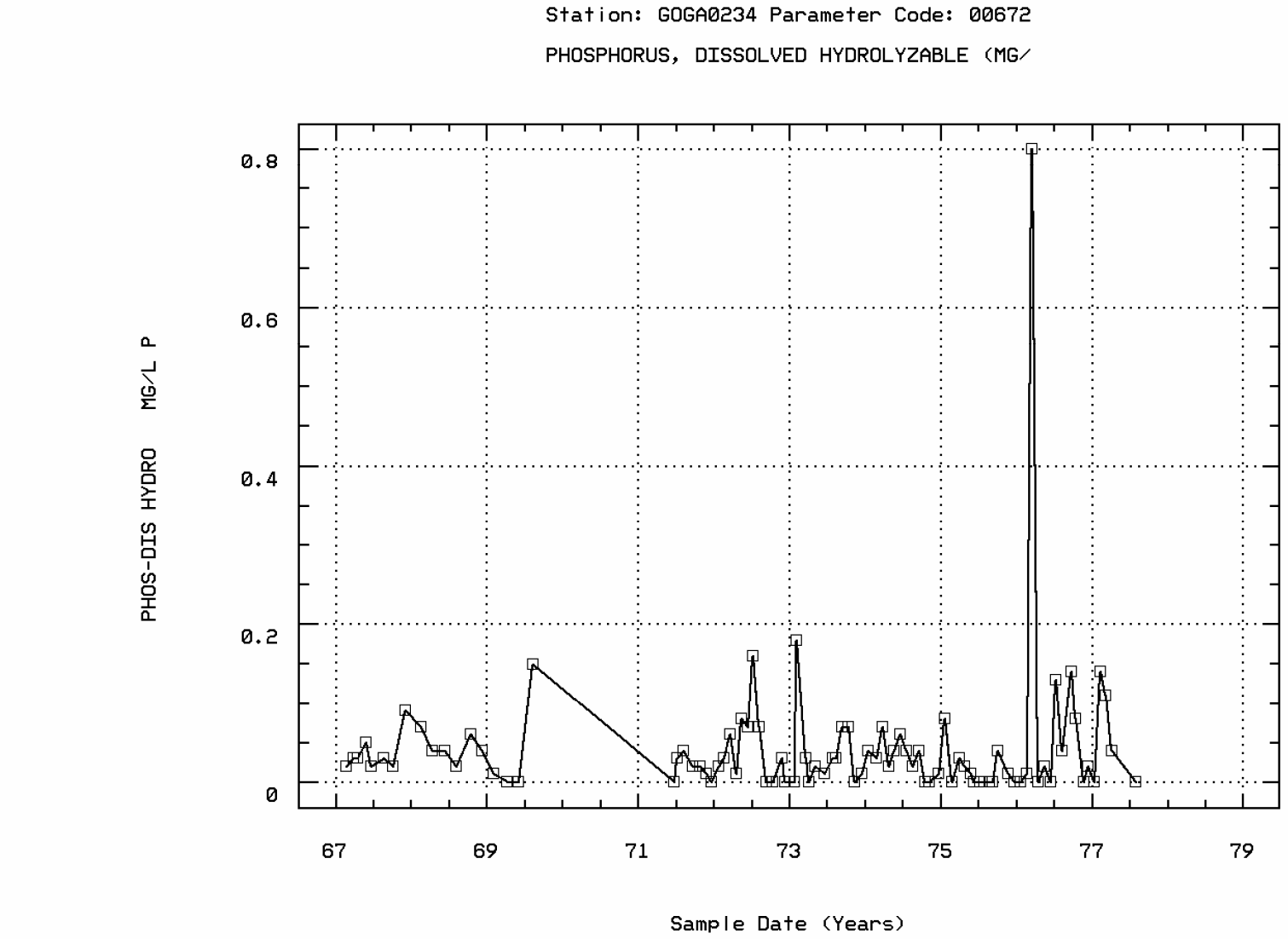
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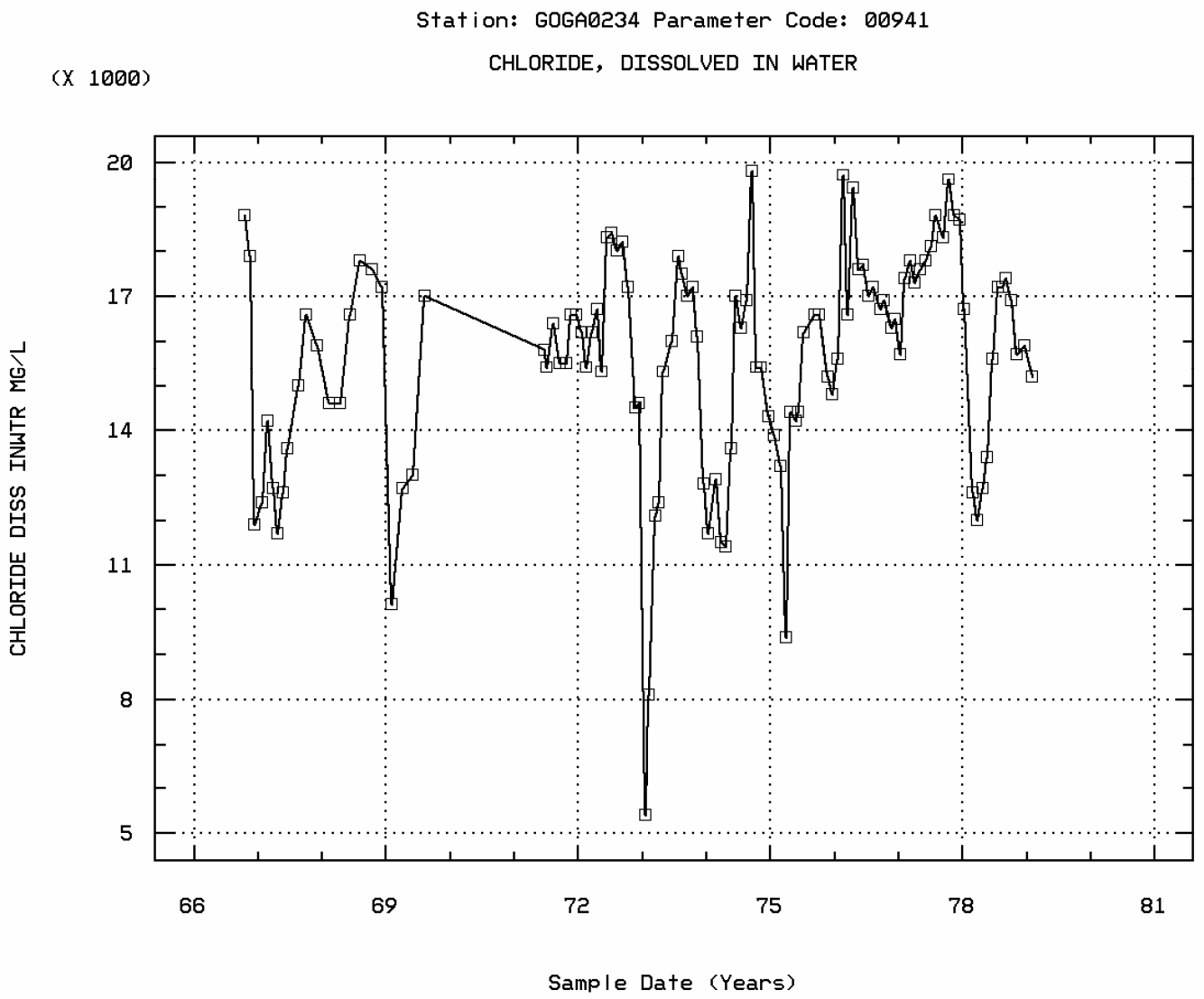
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S.F. BAY A TREASURE ISL



S.F. BAY A TREASURE ISL

Annual Analysis for 1966 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	3	58.	56.333	58.	53.	8.333	2.887	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	3	8.5	8.4	9.3	7.4	0.91	0.954	**	**	**	**
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	3	7.2	7.6	8.4	7.2	0.48	0.693	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	3	7.2	7.363	8.4	7.2	0.565	0.751	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	3	0.063	0.043	0.063	0.004	0.001	0.034	**	**	**	**
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	3	17900.	16200.	18800.	11900.	14070000.	3751.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	11	53.	54.727	62.	47.	26.418	5.14	47.4	52.	61.	62.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	2	45500.	45500.	46100.	44900.	720000.	848.528	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	11	8.	8.573	15.	6.6	5.338	2.31	6.66	7.1	8.8	13.92
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	8	8.15	8.138	8.4	8.	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	8	8.147	8.119	8.4	8.	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	8	0.007	0.008	0.01	0.004	0.	0.002	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	8	0.035	0.046	0.12	0.	0.002	0.047	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	8	0.35	0.35	0.6	0.2	0.017	0.131	**	**	**	**
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	8	0.4	0.4	0.7	0.1	0.06	0.245	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	8	0.45	0.438	0.7	0.2	0.054	0.233	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	8	0.14	0.166	0.3	0.1	0.004	0.067	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	8	0.085	0.087	0.1	0.07	0.	0.012	**	**	**	**
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	8	0.03	0.036	0.09	0.02	0.001	0.024	**	**	**	**
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	9	13600.	13855.556	16600.	11700.	2860277.778	1691.236	11700.	12500.	15450.	16600.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	6	59.	57.5	63.	51.	21.1	4.593	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	1	55000.	55000.	55000.	55000.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	6	46550.	45333.333	49900.	39400.	15986666.667	3998.333	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	6	7.45	7.217	8.2	6.1	0.646	0.804	**	**	**	**
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	6	8.	7.883	8.2	7.4	0.126	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	6	7.989	7.759	8.2	7.4	0.144	0.38	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	6	0.01	0.017	0.04	0.006	0.	0.015	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	6	0.04	0.047	0.11	0.	0.001	0.036	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	6	0.295	0.323	0.4	0.27	0.004	0.06	**	**	**	**
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	6	0.3	0.467	1.4	0.	0.267	0.516	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	6	0.35	0.5	1.4	0.	0.248	0.498	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	6	0.2	0.212	0.26	0.17	0.001	0.035	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	6	0.1	0.102	0.13	0.08	0.	0.017	**	**	**	**
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	6	0.04	0.045	0.07	0.02	0.	0.018	**	**	**	**
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	6	16900.	16400.	17800.	14600.	2112000.	1453.272	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	4	58.5	57.25	63.	49.	36.25	6.021	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	4	34500.	34125.	40000.	27500.	26395833.333	5137.688	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	4	36000.	35400.	42000.	27600.	35846666.667	5987.209	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	4	8.35	8.325	9.8	6.8	1.703	1.305	**	**	**	**
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	4	8.05	8.05	8.2	7.9	0.017	0.129	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	4	8.047	8.036	8.2	7.9	0.017	0.13	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	4	0.009	0.009	0.013	0.006	0.	0.003	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	4	0.32	0.323	0.39	0.26	0.005	0.072	**	**	**	**
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	4	0.	0.05	0.2	0.	0.01	0.1	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	4	0.	0.05	0.2	0.	0.01	0.1	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	4	0.17	0.2	0.39	0.07	0.025	0.158	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	4	0.07	0.075	0.11	0.05	0.001	0.025	**	**	**	**
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	4	0.005	0.04	0.15	0.	0.005	0.073	**	**	**	**
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	4	12850.	13200.	17000.	10100.	8113333.333	2848.391	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	7	59.	57.929	64.	48.	32.702	5.719	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	5	41000.	42700.	49000.	40000.	13700000.	3701.351	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	7	39600.	39785.714	41500.	38900.	724761.905	851.329	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	7	7.3	7.014	7.6	5.9	0.405	0.636	**	**	**	**
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	7	7.9	7.886	8.2	7.7	0.031	0.177	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	7	7.9	7.857	8.2	7.7	0.032	0.18	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	7	0.013	0.014	0.02	0.006	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	3	9.	9.333	11.	8.	2.333	1.528	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	7	0.	0.001	0.01	0.	0.	0.004	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	7	0.26	0.287	0.37	0.21	0.005	0.068	**	**	**	**
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	7	0.2	0.157	0.3	0.	0.01	0.098	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	7	0.2	0.157	0.3	0.	0.01	0.098	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	7	0.15	0.139	0.15	0.1	0.	0.019	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	7	0.09	0.091	0.11	0.07	0.	0.016	**	**	**	**
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	7	0.02	0.017	0.04	0.	0.	0.015	**	**	**	**
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	7	15800.	15971.429	16600.	15400.	295714.286	543.796	**	**	**	**

** - 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

Annual Analysis for 1972 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	12	58.5	57.625	65.	48.	37.142	6.094	48.3	51.25	63.125	64.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	11	4.	4.118	6.	2.	2.234	1.495	2.	3.	6.	6.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	12	42000.	41458.333	45000.	37500.	6429924.242	2535.73	37950.	39000.	43750.	45000.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	12	42350.	42191.667	47200.	38400.	7346287.879	2710.404	38670.	40000.	44175.	46690.
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	12	7.45	7.583	8.7	6.8	0.522	0.722	6.8	6.925	8.4	8.67
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	12	8.	8.017	8.2	7.8	0.014	0.119	7.83	7.925	8.1	8.2
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	12	8.	8.002	8.2	7.8	0.014	0.12	7.83	7.925	8.1	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	12	0.01	0.01	0.016	0.006	0.	0.003	0.006	0.008	0.012	0.015
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	12	14.	20.417	80.	5.	410.811	20.268	5.3	9.25	24.5	65.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.01	0.024	0.1	0.	0.001	0.033	0.	0.	0.038	0.091
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	12	0.205	0.232	0.47	0.14	0.009	0.094	0.146	0.163	0.273	0.428
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.1	0.131	0.2	0.	0.004	0.063	0.03	0.1	0.2	0.2

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Annual Analysis for 1972 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	12	0.2	0.15	0.2	0.	0.005	0.067	0.03	0.1	0.2	0.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	12	0.16	0.196	0.52	0.11	0.013	0.112	0.116	0.133	0.19	0.451
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	12	0.085	0.118	0.46	0.07	0.012	0.109	0.07	0.073	0.108	0.355
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	12	0.03	0.044	0.16	0.	0.002	0.047	0.	0.003	0.07	0.136
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	12	16450.	16583.333	18400.	14500.	2079696.97	1442.115	14530.	15325.	18150.	18370.

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Annual Analysis for 1973 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	12	56.5	56.833	64.	48.	30.879	5.557	48.6	52.	62.75	63.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	12	5.	6.417	20.	1.	30.811	5.551	1.	3.	9.25	17.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	12	40500.	36916.667	46000.	15000.	95901515.152	9792.932	17400.	32500.	44750.	45700.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	12	45100.	39358.333	48000.	16900.	107051742.424	10346.581	18940.	33325.	47300.	47970.
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	12	8.45	8.208	9.8	6.5	1.208	1.099	6.56	7.175	9.	9.71
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	12	8.1	8.058	8.3	7.8	0.021	0.144	7.83	7.925	8.175	8.27
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	12	8.1	8.036	8.3	7.8	0.021	0.146	7.83	7.925	8.175	8.27
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	12	0.008	0.009	0.016	0.005	0.	0.003	0.005	0.007	0.012	0.015
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	10	20.5	44.3	231.	4.	4656.456	68.238	4.4	11.75	41.25	215.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.025	0.041	0.11	0.	0.001	0.036	0.	0.013	0.07	0.101
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	12	0.245	0.265	0.4	0.18	0.006	0.077	0.183	0.2	0.333	0.394
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.2	0.142	0.3	0.	0.01	0.1	0.	0.025	0.2	0.27
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	12	0.2	0.181	0.3	0.02	0.009	0.095	0.035	0.085	0.275	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	12	0.17	0.177	0.25	0.11	0.002	0.046	0.113	0.135	0.22	0.244
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	12	0.09	0.09	0.12	0.05	0.001	0.024	0.053	0.073	0.115	0.12
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	12	0.025	0.038	0.18	0.	0.003	0.051	0.	0.003	0.06	0.147
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	12	15650.	13982.5	17900.	5400.	15754038.636	3969.136	6207.	12175.	17150.	17780.

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Annual Analysis for 1974 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	12	58.	57.792	65.	49.	27.703	5.263	49.9	53.25	62.75	64.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	12	4.5	5.417	15.	1.	16.083	4.01	1.3	2.25	8.5	13.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	12	36950.	36891.667	43000.	29000.	16017196.97	4002.149	30230.	33625.	40325.	42310.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	12	41050.	39008.333	43500.	30600.	22024469.697	4693.024	30720.	35000.	42850.	43410.
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	12	7.6	7.783	9.2	6.4	0.892	0.945	6.49	6.875	8.8	9.14
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	12	8.	7.983	8.1	7.8	0.007	0.083	7.83	7.925	8.	8.1
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	12	8.	7.976	8.1	7.8	0.007	0.084	7.83	7.925	8.	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	12	0.01	0.011	0.016	0.008	0.	0.002	0.008	0.01	0.012	0.015
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	12	9.5	12.5	26.	5.	53.	7.28	5.3	6.5	20.	25.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.005	0.015	0.05	0.	0.	0.019	0.	0.	0.035	0.047
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	12	0.245	0.233	0.31	0.14	0.002	0.048	0.149	0.195	0.268	0.301
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.1	0.15	0.3	0.1	0.005	0.067	0.1	0.1	0.2	0.27
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	12	0.1	0.158	0.3	0.1	0.006	0.079	0.1	0.1	0.2	0.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	12	0.14	0.144	0.2	0.12	0.001	0.027	0.12	0.13	0.14	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	12	0.08	0.083	0.1	0.06	0.	0.012	0.063	0.08	0.09	0.1
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	12	0.035	0.031	0.07	0.	0.	0.022	0.	0.013	0.04	0.067
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	12	14850.	14683.333	19800.	11400.	6765151.515	2600.99	11430.	12000.	16750.	18960.
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/27/74-11/09/78	5	0.8	0.86	1.2	0.6	0.058	0.241	**	**	**	**

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Annual Analysis for 1975 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	12	57.5	56.333	62.	49.	20.606	4.539	49.6	52.25	60.75	61.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	12	3.	5.583	12.	2.	13.538	3.679	2.	3.	9.	11.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	12	36350.	34833.333	40100.	26400.	17818787.879	4221.231	26820.	31900.	37525.	39410.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	12	39050.	38008.333	42600.	27400.	15389924.242	3922.999	29770.	36850.	40475.	42000.
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	12	7.85	7.567	9.1	6.3	0.702	0.838	6.33	6.675	8.075	8.8
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	12	8.	7.958	8.1	7.8	0.01	0.1	7.8	7.9	8.	8.1
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	12	8.	7.948	8.1	7.8	0.01	0.1	7.8	7.9	8.	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	12	0.01	0.011	0.016	0.008	0.	0.003	0.008	0.01	0.013	0.016
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	12	16.5	17.833	34.	6.	58.697	7.661	7.8	12.5	22.75	32.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.015	0.02	0.06	0.	0.	0.02	0.	0.	0.04	0.054
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	12	0.26	0.246	0.37	0.13	0.005	0.071	0.133	0.178	0.29	0.346
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.15	0.175	0.4	0.	0.018	0.136	0.	0.1	0.275	0.4
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	12	0.15	0.181	0.4	0.01	0.016	0.128	0.025	0.1	0.275	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	12	0.13	0.151	0.39	0.08	0.007	0.082	0.083	0.105	0.163	0.333
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	12	0.08	0.076	0.12	0.01	0.001	0.028	0.022	0.06	0.098	0.114
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	12	0.005	0.016	0.08	0.	0.001	0.024	0.	0.	0.028	0.068
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	11	14400.	14443.636	16600.	9380.	4062945.455	2015.675	10144.	13900.	16200.	16600.
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/27/74-11/09/78	11	1.2	1.127	1.6	0.6	0.08	0.283	0.62	1.	1.3	1.54

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Annual Analysis for 1976 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	12	58.	58.25	64.	50.	22.205	4.712	50.6	55.25	63.	64.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	12	3.5	4.25	8.	1.	7.295	2.701	1.	2.	7.5	8.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	12	42350.	41375.	48800.	22300.	49198409.091	7014.158	26800.	40100.	47000.	48650.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	12	42550.	42225.	45400.	37000.	6782045.455	2604.236	37540.	40300.	44350.	45220.
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	12	7.9	7.758	8.6	6.8	0.366	0.605	6.86	7.1	8.3	8.51
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	12	7.95	7.967	8.3	7.7	0.03	0.172	7.73	7.825	8.075	8.27
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	12	7.947	7.937	8.3	7.7	0.031	0.175	7.73	7.825	8.075	8.27
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	12	0.011	0.012	0.02	0.005	0.	0.004	0.005	0.008	0.015	0.019
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	12	17.	15.833	28.	3.	77.061	8.778	3.9	7.	23.	26.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.	0.013	0.09	0.	0.001	0.026	0.	0.	0.018	0.069
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	12	0.17	0.188	0.33	0.14	0.003	0.055	0.14	0.143	0.215	0.303
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.1	0.167	0.6	0.	0.041	0.202	0.	0.	0.275	0.57
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	12	0.1	0.178	0.6	0.	0.039	0.197	0.003	0.013	0.275	0.57
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	12	0.185	0.198	0.33	0.11	0.004	0.065	0.119	0.143	0.245	0.312
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	12	0.09	0.089	0.13	0.03	0.001	0.029	0.036	0.073	0.115	0.127
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	12	0.02	0.103	0.8	0.	0.051	0.225	0.	0.	0.118	0.602
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	12	16950.	17266.667	19700.	15600.	1458787.879	1207.803	15810.	16525.	17675.	19610.
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/27/74-11/09/78	12	0.8	0.842	1.5	0.6	0.068	0.261	0.6	0.625	0.975	1.38

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Annual Analysis for 1977 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	13	58.	58.692	64.	52.	19.397	4.404	52.8	54.	63.	64.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	12	5.	7.	34.	0.	82.545	9.085	0.3	1.25	8.	26.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	13	42500.	43969.231	48500.	39400.	12462307.692	3530.199	39880.	41000.	48150.	48460.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	12	45850.	45175.	47400.	36300.	8523863.636	2919.566	38670.	45250.	46625.	47280.
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	13	7.4	7.685	8.8	6.8	0.525	0.724	6.84	7.15	8.4	8.8
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	13	7.9	7.862	8.2	7.4	0.068	0.26	7.4	7.75	8.1	8.2
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	13	7.9	7.785	8.2	7.4	0.074	0.272	7.4	7.75	8.1	8.2

** - 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 1977 - Station GOGA0234

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	10/19/66-01/31/79	13	0.013	0.016	0.04	0.006	0.	0.011	0.006	0.008	0.018	0.04
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	12	11.	12.917	26.	3.	62.447	7.902	3.6	6.	21.	25.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.08	0.108	0.54	0.	0.021	0.146	0.	0.01	0.13	0.429
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	12	0.245	0.239	0.35	0.1	0.005	0.067	0.118	0.21	0.278	0.341
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.1	0.125	0.6	0.	0.035	0.186	0.	0.	0.1	0.54
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	12	0.2	0.235	0.9	0.	0.078	0.279	0.	0.05	0.2	0.84
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	12	0.18	0.193	0.35	0.1	0.004	0.066	0.106	0.153	0.228	0.317
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	12	0.08	0.087	0.13	0.06	0.	0.021	0.06	0.073	0.108	0.124
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	5	0.04	0.058	0.14	0.	0.004	0.064	**	**	**	**
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	12	17950.	17991.667	19600.	15700.	982651.515	991.288	16180.	17450.	18775.	19360.
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/27/74-11/09/78	12	1.05	1.058	1.6	0.5	0.088	0.297	0.56	0.9	1.2	1.54

** - 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 1978 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	13	61.	59.846	70.	49.	28.974	5.383	51.	56.	62.5	68.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	12	4.	3.833	6.	1.	3.424	1.85	1.	2.25	5.75	6.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	13	42500.	38953.846	46400.	29000.	40043942.308	6328.028	29660.	32350.	43850.	46320.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	12	42300.	40116.667	44700.	31900.	21748787.879	4663.56	32230.	35475.	44000.	44580.
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	13	7.5	7.654	8.6	6.6	0.541	0.736	6.72	6.9	8.45	8.6
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	13	8.1	8.046	8.4	7.8	0.034	0.185	7.8	7.9	8.15	8.36
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	13	8.1	8.012	8.4	7.8	0.036	0.189	7.8	7.9	8.15	8.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	13	0.008	0.01	0.016	0.004	0.	0.004	0.004	0.007	0.013	0.016
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	11	11.	11.273	16.	6.	12.418	3.524	6.2	8.	15.	15.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.025	0.038	0.11	0.	0.001	0.037	0.	0.01	0.06	0.104
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	12	0.22	0.218	0.4	0.06	0.009	0.095	0.06	0.18	0.255	0.376
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	12	0.2	0.25	0.5	0.1	0.023	0.151	0.1	0.1	0.375	0.5
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	11	0.3	0.291	0.6	0.1	0.025	0.158	0.1	0.2	0.4	0.58
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	12	0.135	0.134	0.18	0.1	0.001	0.028	0.1	0.103	0.16	0.174
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	12	0.08	0.08	0.1	0.05	0.	0.016	0.053	0.065	0.09	0.1
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	12	15800.	15275.	17400.	12000.	4118409.091	2029.386	12180.	12875.	17125.	17340.
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/27/74-11/09/78	10	1.	0.89	1.4	0.3	0.121	0.348	0.3	0.675	1.1	1.37

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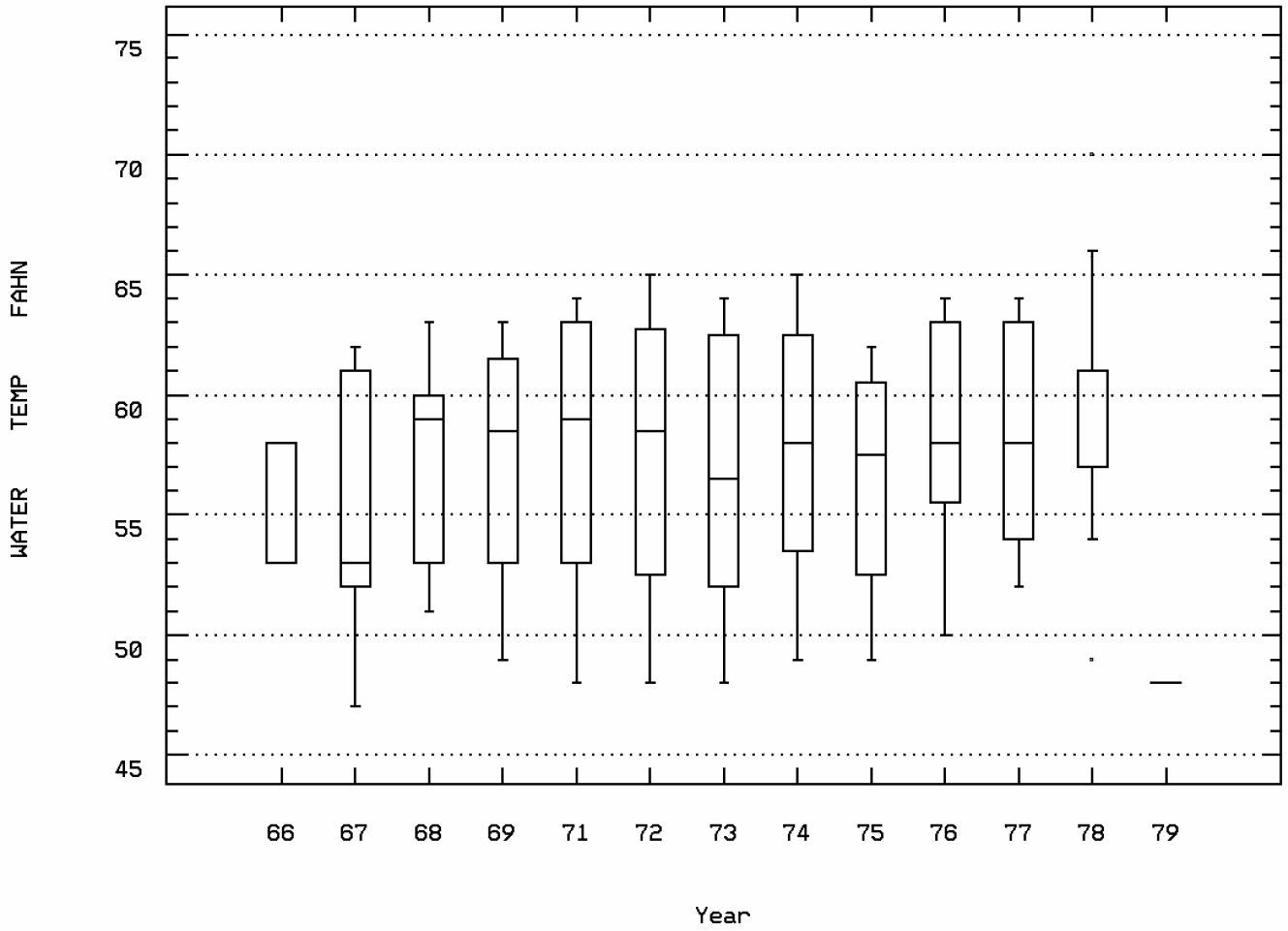
Annual Analysis for 1979 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	1	40600.	40600.	40600.	40600.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	1	44100.	44100.	44100.	44100.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/19/66-01/31/79	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	1	15200.	15200.	15200.	15200.	0.	0.	**	**	**	**

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Station: GOGA0234 Parameter Code: 00011

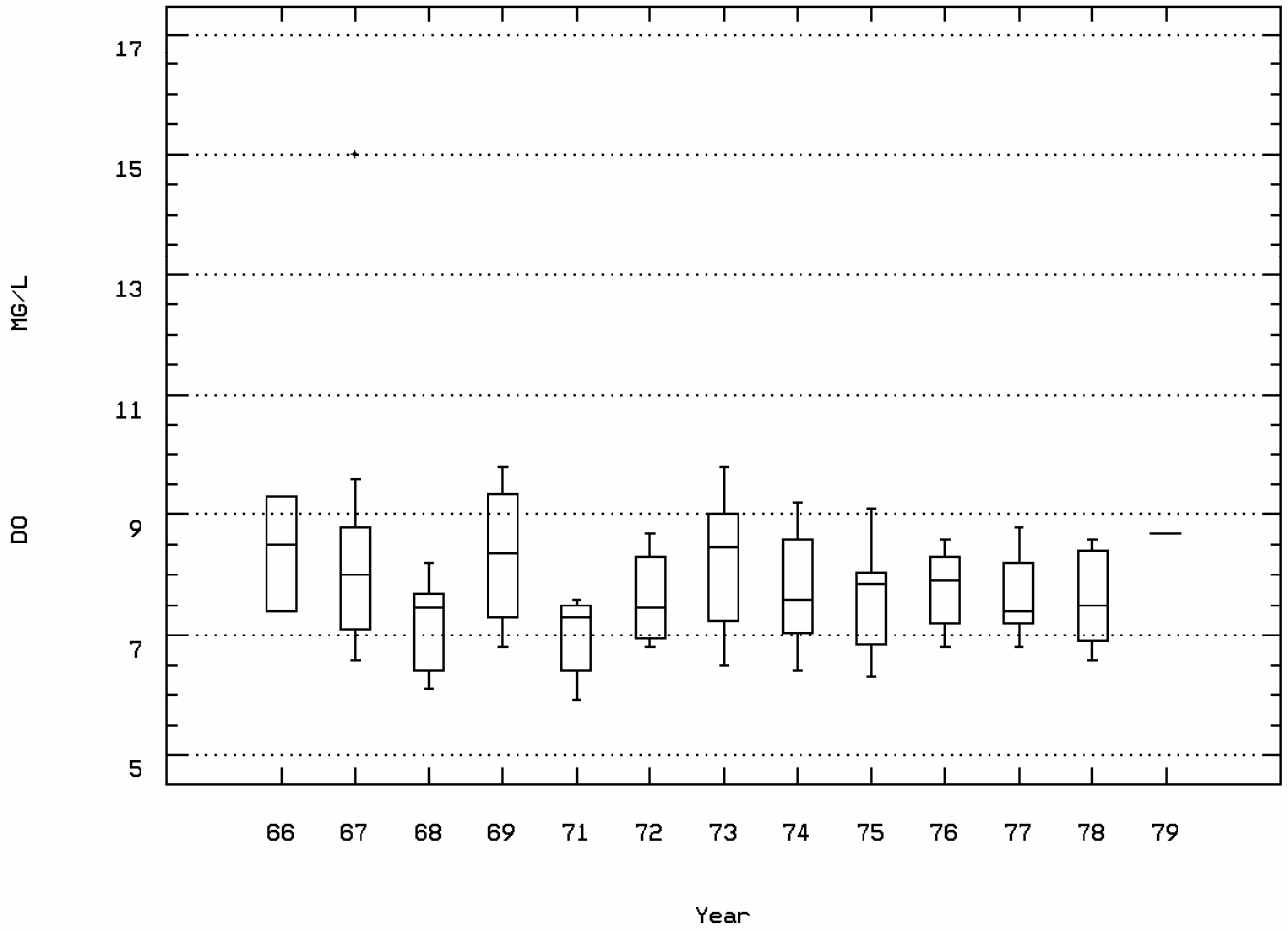
TEMPERATURE, WATER (DEGREES FAHRENHEIT)



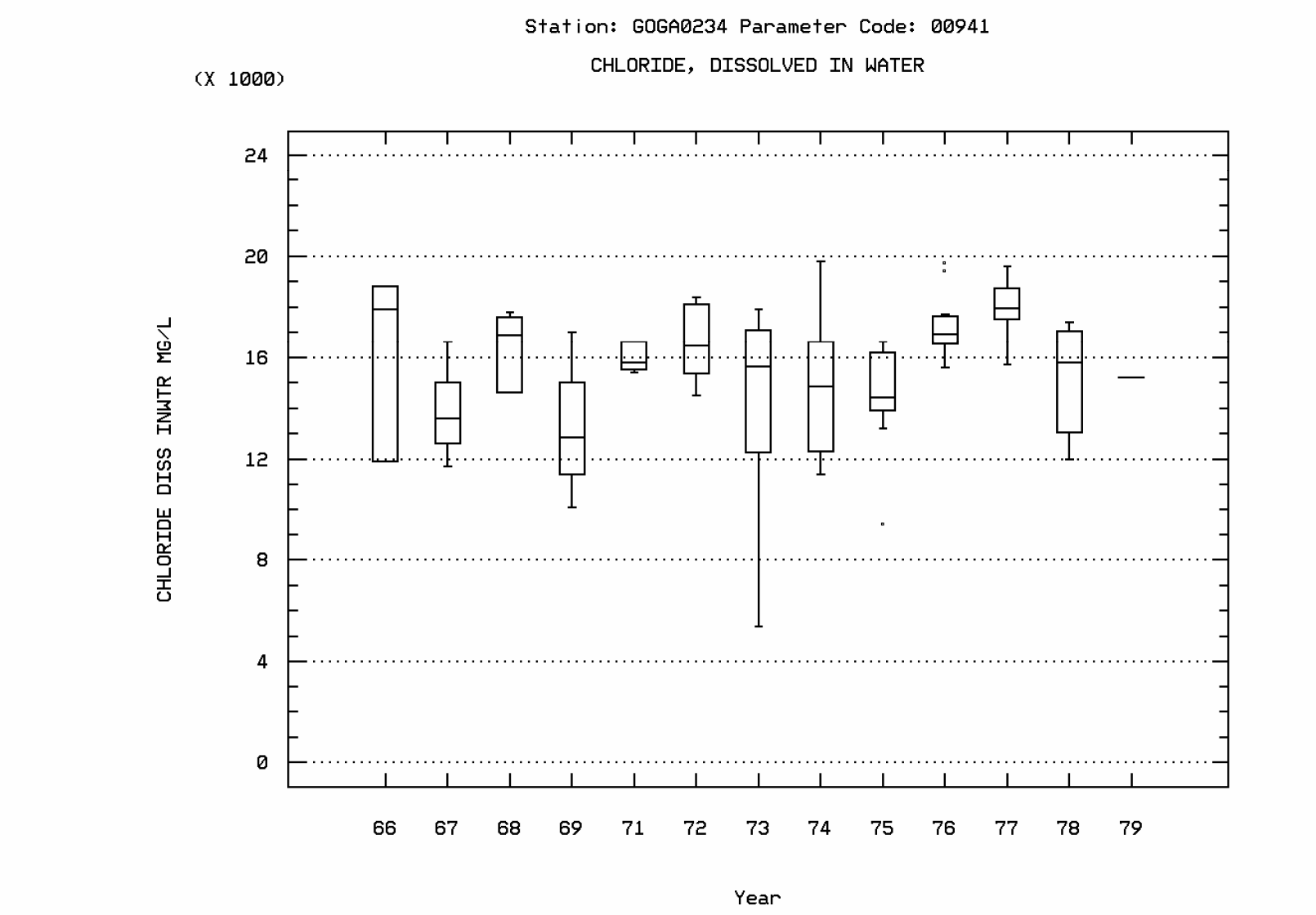
S.F. BAY A TREASURE ISL

Station: GOGA0234 Parameter Code: 00300

OXYGEN, DISSOLVED



S.F. BAY A TREASURE ISL



S.F. BAY A TREASURE ISL

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	48	62.	62.073	70.	57.	5.276	2.297	59.	60.25	63.375	64.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	35	3.	4.4	15.	1.	10.718	3.274	1.	2.	6.	8.8
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	40	42350.	40916.25	48800.	22300.	36219536.859	6018.267	31420.	37150.	45000.	48300.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	44	43000.	42786.364	49900.	34900.	12055158.562	3472.054	37750.	40225.	45575.	47500.
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	48	7.	7.142	8.9	5.9	0.397	0.63	6.4	6.7	7.5	8.11
00400p	PH (STANDARD UNITS)	10/19/66-01/31/79	48	8.	7.992	8.4	7.5	0.025	0.157	7.8	7.9	8.1	8.2
00400p	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	48	8.	7.962	8.4	7.5	0.026	0.16	7.8	7.9	8.1	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	48	0.01	0.011	0.032	0.004	0.	0.005	0.006	0.008	0.013	0.016
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	33	12.	13.273	28.	3.	45.642	6.756	5.4	8.	17.5	24.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	47	0.01	0.021	0.1	0.	0.001	0.029	0.	0.	0.04	0.08
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	47	0.22	0.229	0.4	0.06	0.005	0.071	0.14	0.18	0.26	0.342
00629p	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	47	0.2	0.238	1.4	0.	0.062	0.248	0.	0.1	0.3	0.52
00635p	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	47	0.2	0.255	1.4	0.	0.06	0.246	0.	0.1	0.3	0.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	47	0.16	0.193	0.52	0.08	0.007	0.084	0.12	0.14	0.22	0.306
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	47	0.1	0.103	0.46	0.06	0.003	0.056	0.07	0.08	0.11	0.122
00672p	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	38	0.03	0.04	0.16	0.	0.002	0.043	0.	0.008	0.053	0.131
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	46	16900.	16530.435	19800.	12600.	2617275.362	1617.8	13600.	15575.	17725.	18300.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	32	56.	55.578	64.	48.	19.082	4.368	49.	53.	58.	62.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	22	3.	5.409	34.	0.	50.634	7.116	1.	2.	6.25	11.8
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	27	41300.	41409.259	55000.	29000.	27943853.276	5286.195	35040.	39000.	43800.	48600.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	28	42900.	42142.857	47900.	30600.	18160317.46	4261.492	35900.	39700.	45475.	46230.
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	32	7.75	7.841	9.3	6.9	0.386	0.622	7.1	7.4	8.2	8.74
00400p	PH (STANDARD UNITS)	10/19/66-01/31/79	32	7.9	7.903	8.4	7.2	0.069	0.262	7.49	7.8	8.1	8.17
00400p	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	32	7.9	7.808	8.4	7.2	0.078	0.279	7.49	7.8	8.1	8.17
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	32	0.013	0.016	0.063	0.004	0.	0.014	0.007	0.008	0.016	0.034
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	24	9.	13.875	72.	3.	201.853	14.208	5.	6.	16.5	27.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	28	0.025	0.053	0.54	0.	0.011	0.103	0.	0.	0.068	0.111
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	28	0.26	0.264	0.4	0.14	0.004	0.066	0.17	0.22	0.288	0.373
00629p	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	28	0.15	0.164	0.6	0.	0.016	0.128	0.	0.1	0.2	0.31
00635p	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	27	0.2	0.211	0.9	0.	0.037	0.192	0.034	0.1	0.2	0.38
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	28	0.145	0.155	0.26	0.09	0.002	0.042	0.1	0.123	0.19	0.22
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	28	0.085	0.086	0.12	0.01	0.	0.022	0.068	0.08	0.1	0.111
00672p	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	22	0.01	0.022	0.09	0.	0.001	0.029	0.	0.	0.04	0.077
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	31	16100.	16064.516	19600.	11700.	3485032.258	1866.824	13100.	15200.	17200.	18780.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0234

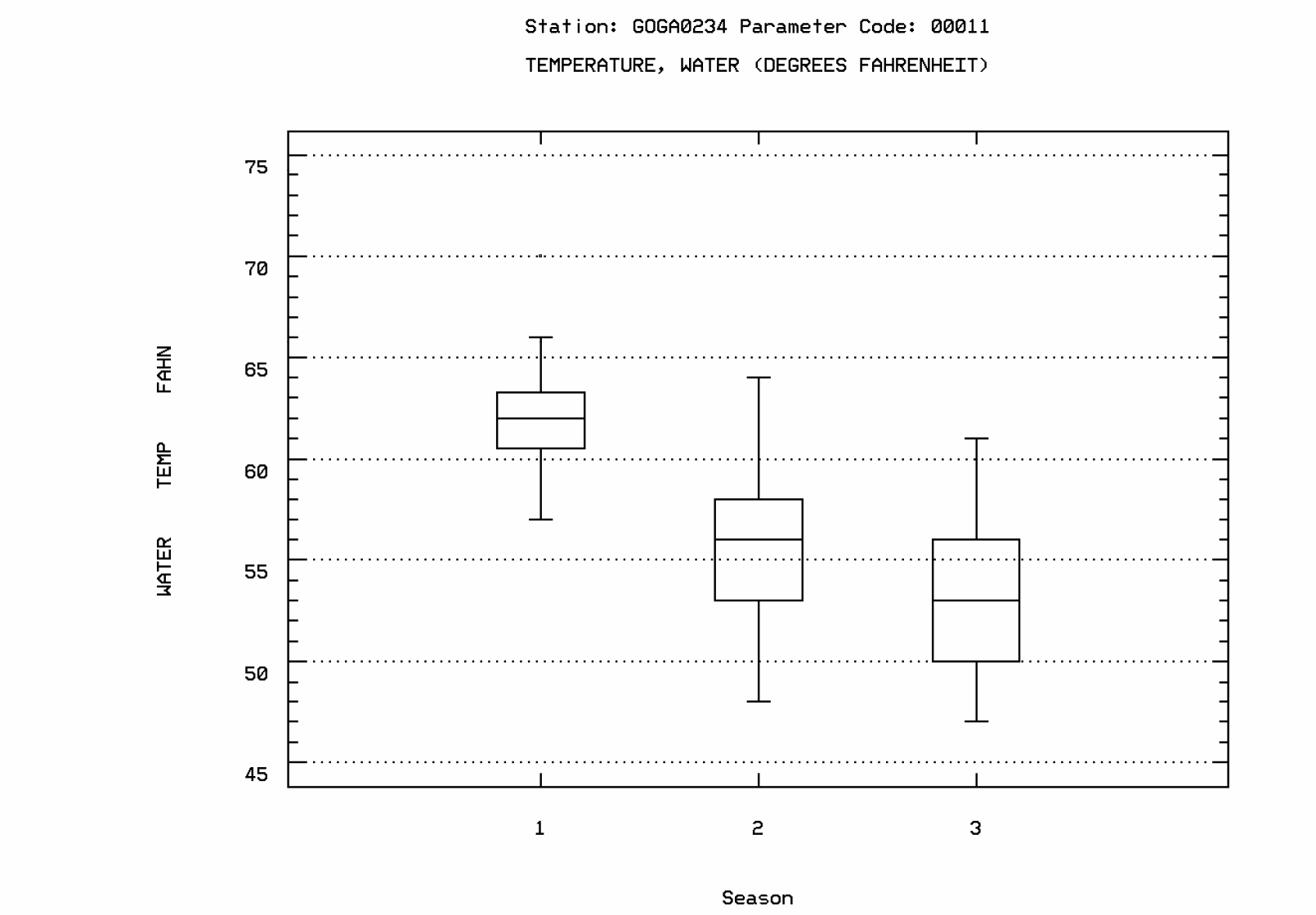
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/19/66-01/31/79	38	53.	53.25	61.	47.	12.105	3.479	48.9	50.	56.	58.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/17/72-01/31/79	27	6.	6.419	20.	1.	13.868	3.724	2.8	4.	8.	10.2
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/09/68-01/31/79	30	37300.	35553.333	43100.	15000.	41416367.816	6435.555	26510.	33325.	40450.	42270.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/05/67-01/31/79	32	38000.	37425.	45900.	16900.	45641290.323	6755.834	27460.	34575.	42275.	45380.
00300p	OXYGEN, DISSOLVED MG/L	10/19/66-01/31/79	38	8.55	8.589	15.	6.1	1.724	1.313	7.39	8.	9.	9.62
00400p	PH (STANDARD UNITS)	10/19/66-01/31/79	35	8.	8.017	8.4	7.4	0.049	0.222	7.76	7.9	8.2	8.24
00400p	CONVERTED PH (STANDARD UNITS)	10/19/66-01/31/79	35	8.	7.951	8.4	7.4	0.054	0.231	7.76	7.9	8.2	8.24
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/66-01/31/79	35	0.01	0.011	0.04	0.004	0.	0.008	0.006	0.006	0.013	0.017
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/71-01/31/79	28	20.5	28.571	231.	6.	1755.439	41.898	8.9	13.	23.75	38.6

** - 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

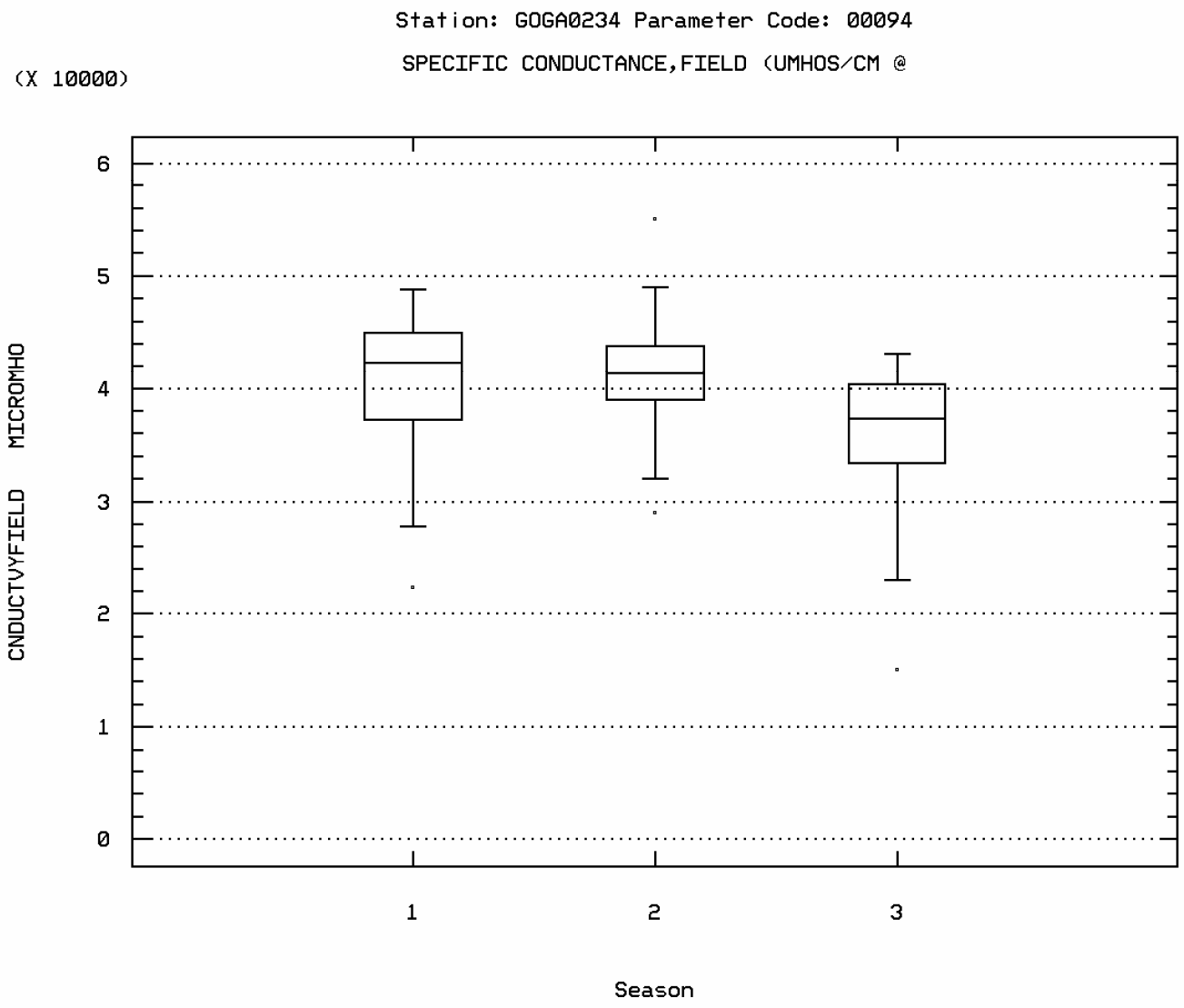
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/24/67-12/21/78	34	0.02	0.038	0.17	0.	0.002	0.044	0.	0.	0.063	0.11
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/24/67-12/21/78	34	0.265	0.275	0.6	0.06	0.013	0.113	0.14	0.185	0.35	0.4
00629p	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	02/24/67-12/21/78	34	0.1	0.152	0.6	0.	0.029	0.171	0.	0.	0.2	0.5
00635p	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	02/24/67-01/31/79	35	0.2	0.189	0.7	0.	0.03	0.174	0.006	0.08	0.2	0.48
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/24/67-01/31/79	35	0.14	0.155	0.35	0.07	0.004	0.059	0.1	0.11	0.2	0.234
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/67-01/31/79	35	0.08	0.074	0.11	0.03	0.	0.018	0.05	0.06	0.08	0.1
00672p	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	02/24/67-08/02/77	30	0.03	0.063	0.8	0.	0.021	0.146	0.	0.01	0.063	0.137
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	10/19/66-01/31/79	36	14050.	13926.944	19700.	5400.	9399153.254	3065.804	9884.	12175.	16200.	17660.

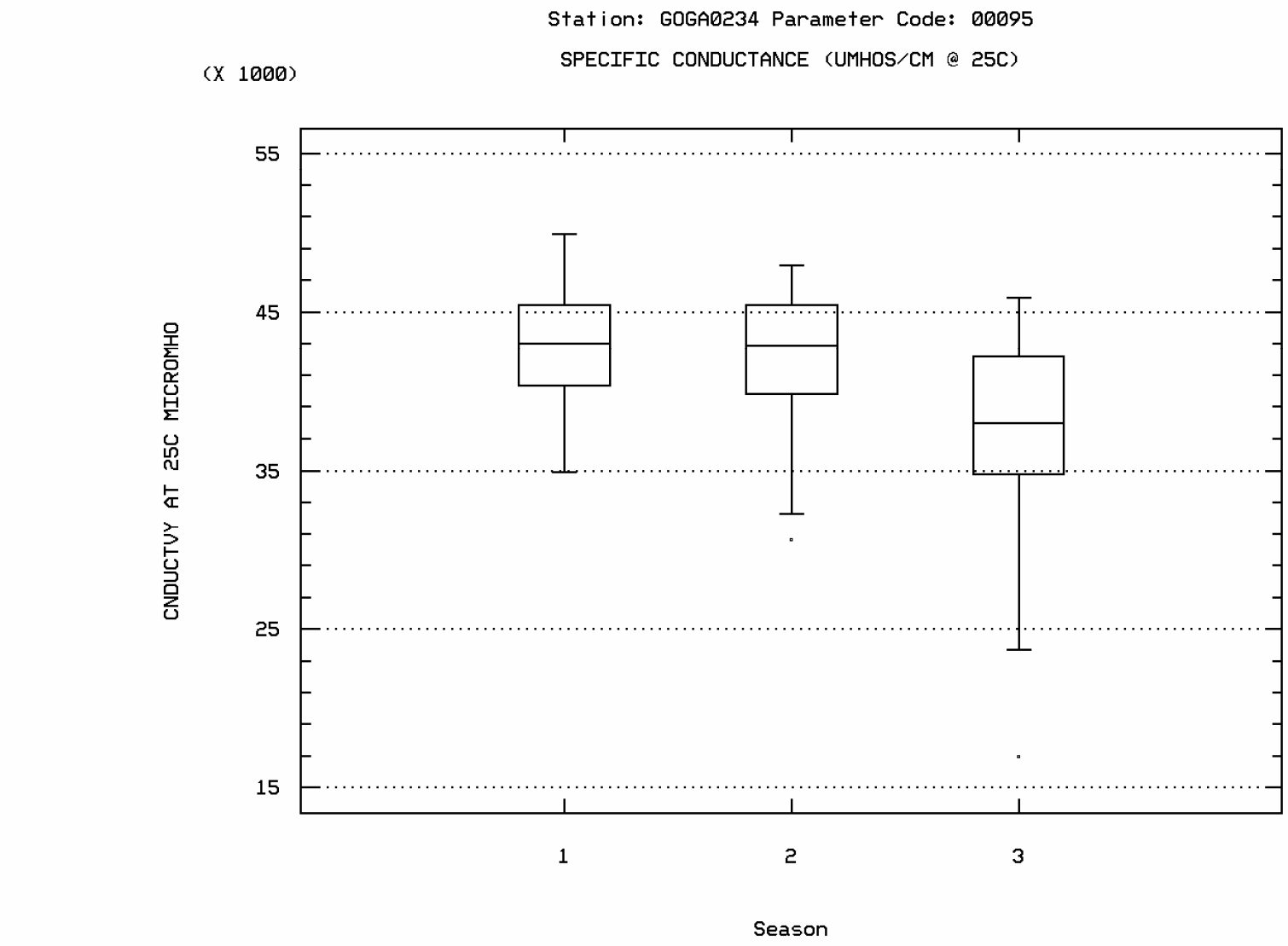
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



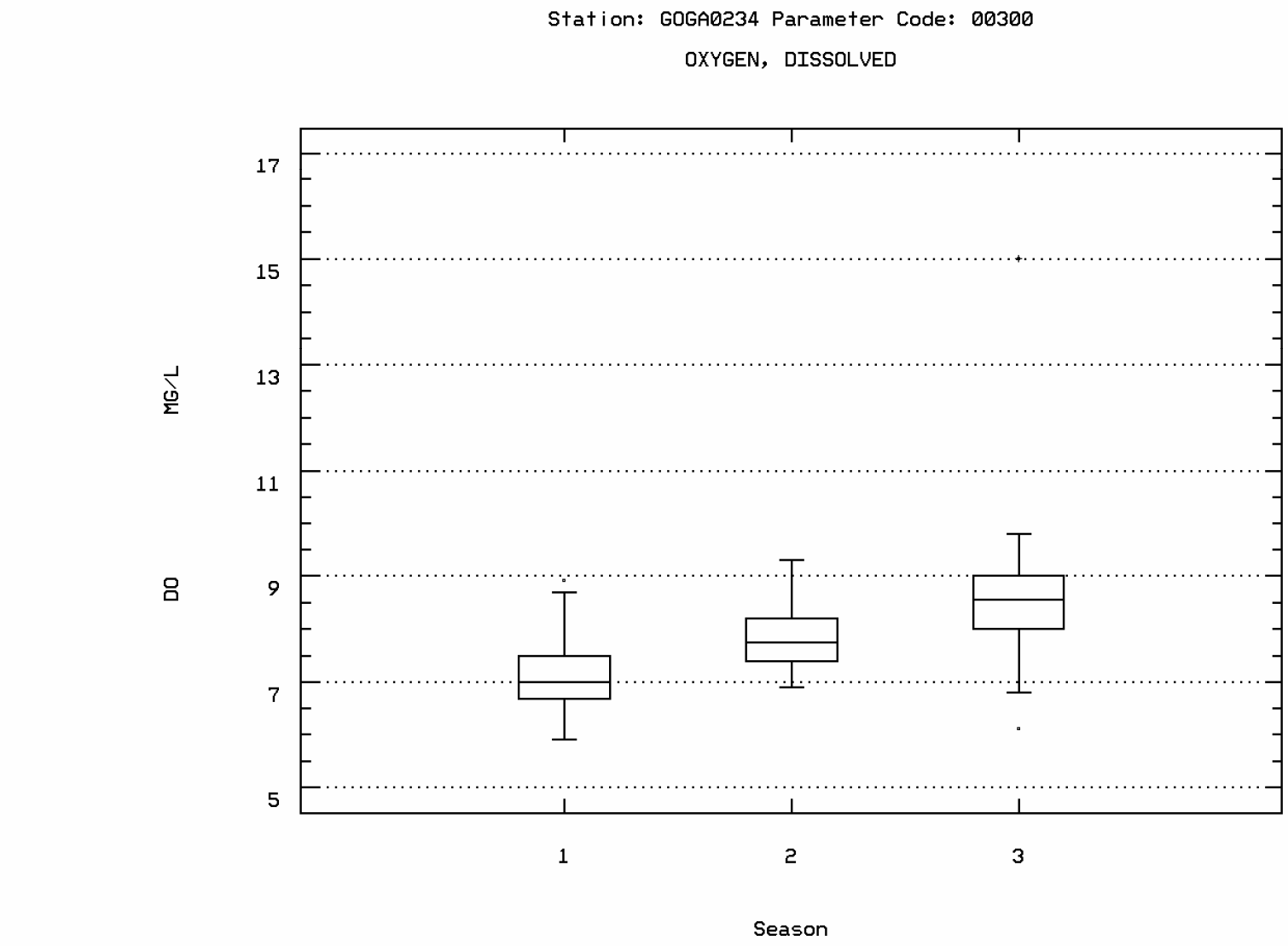
S.F. BAY A TREASURE ISL



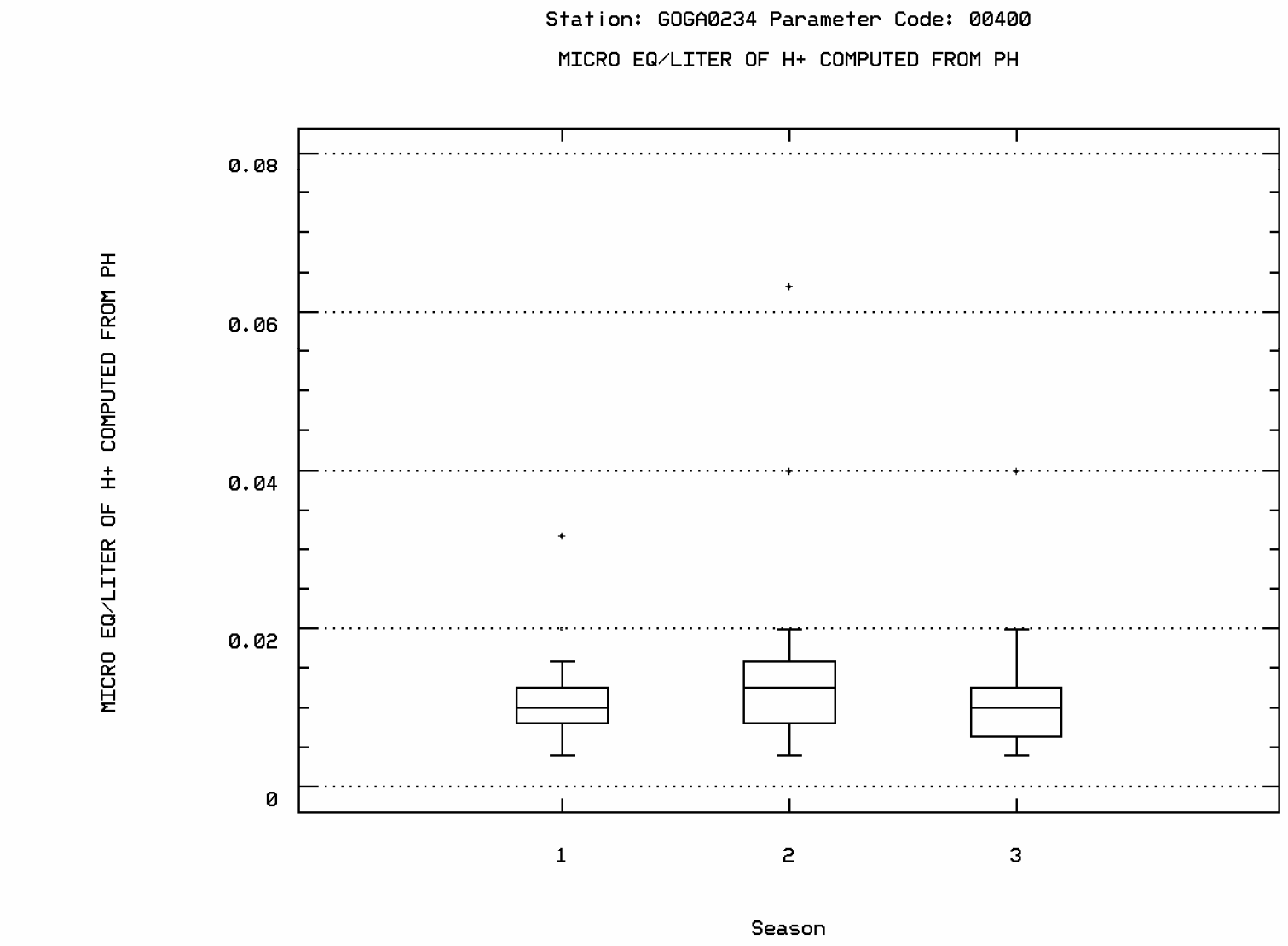
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S.F. BAY A TREASURE ISL



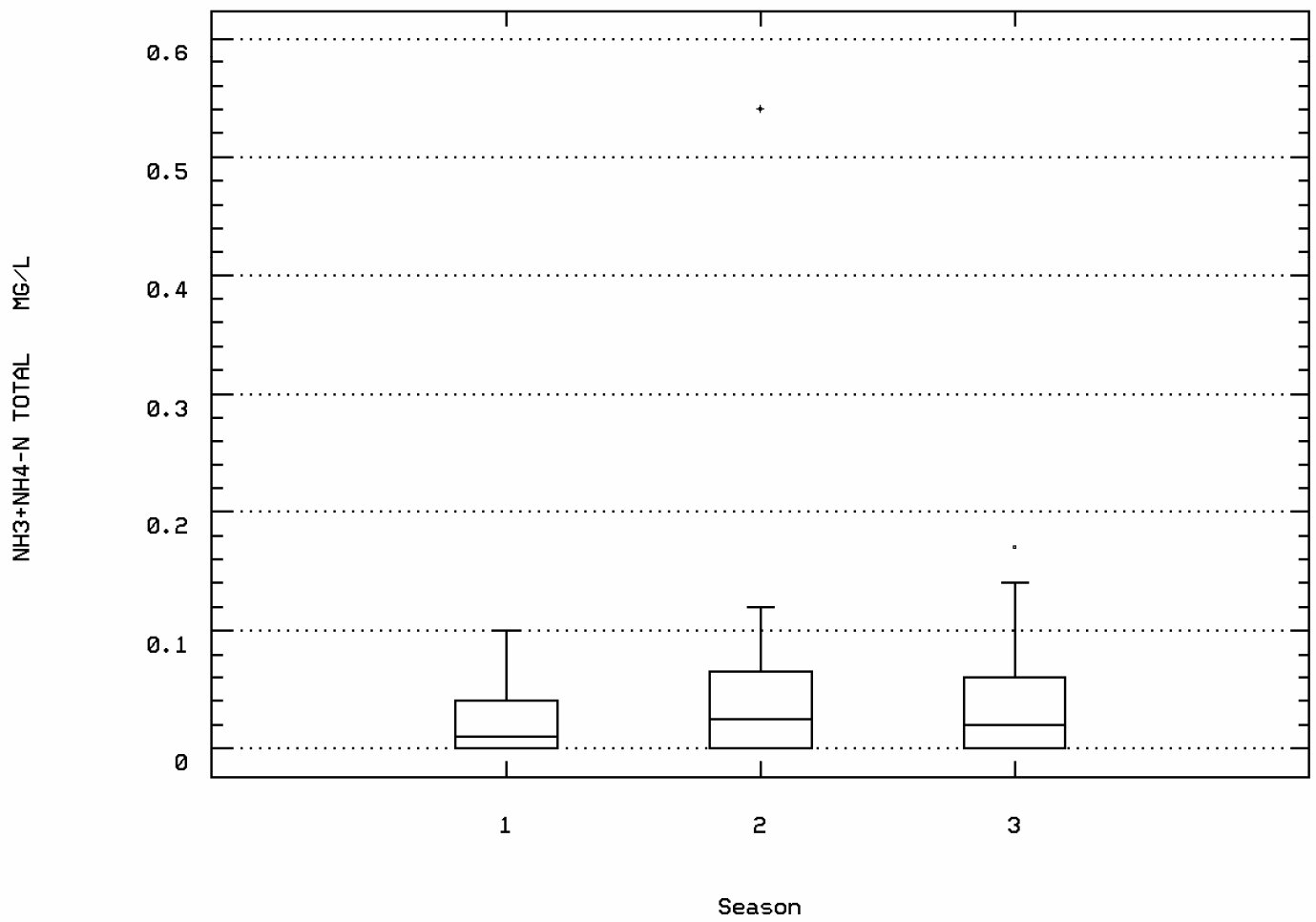
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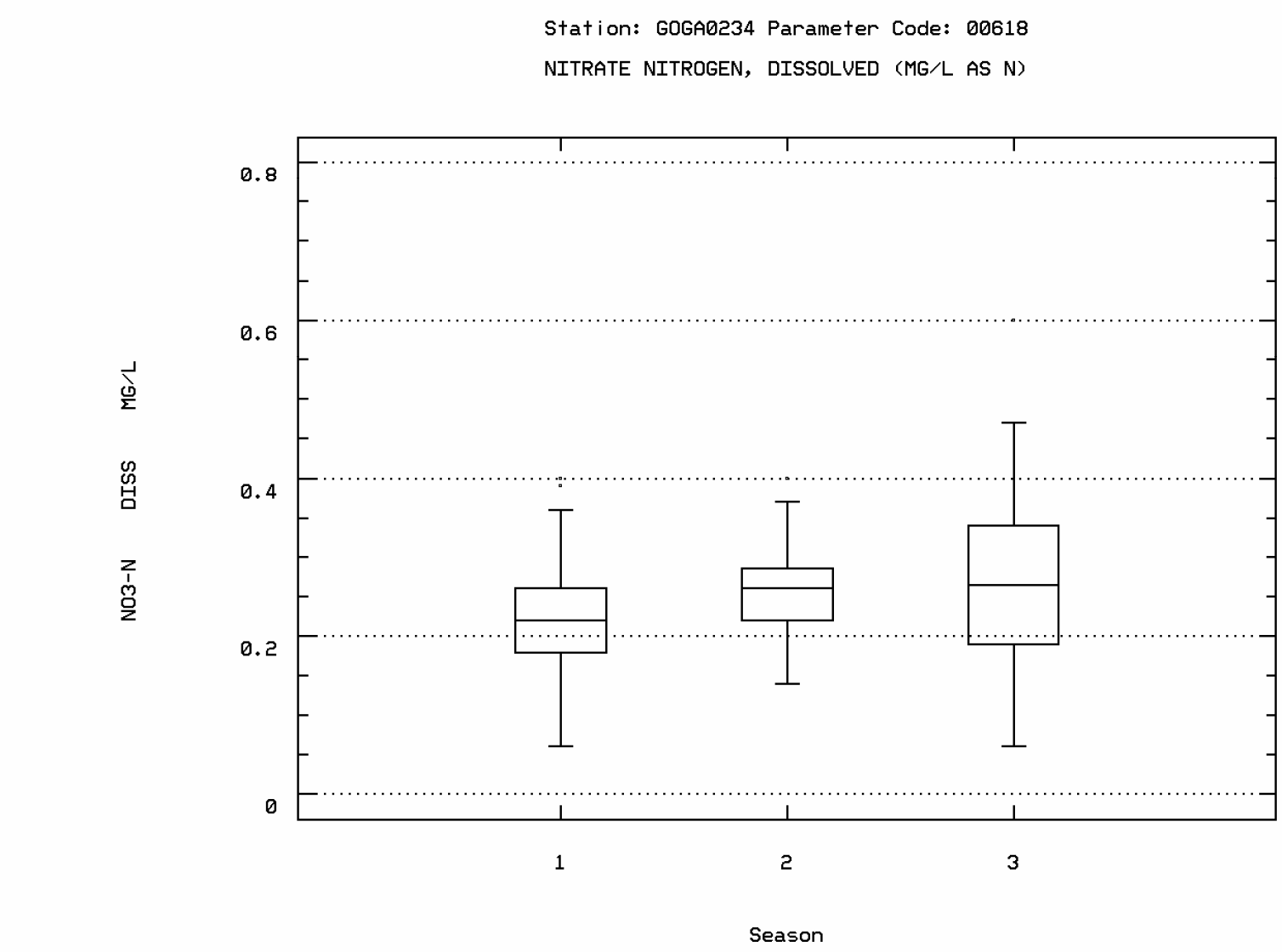
S.F. BAY A TREASURE ISL

Station: GOGA0234 Parameter Code: 00610

NITROGEN, AMMONIA, TOTAL (MG/L AS N)



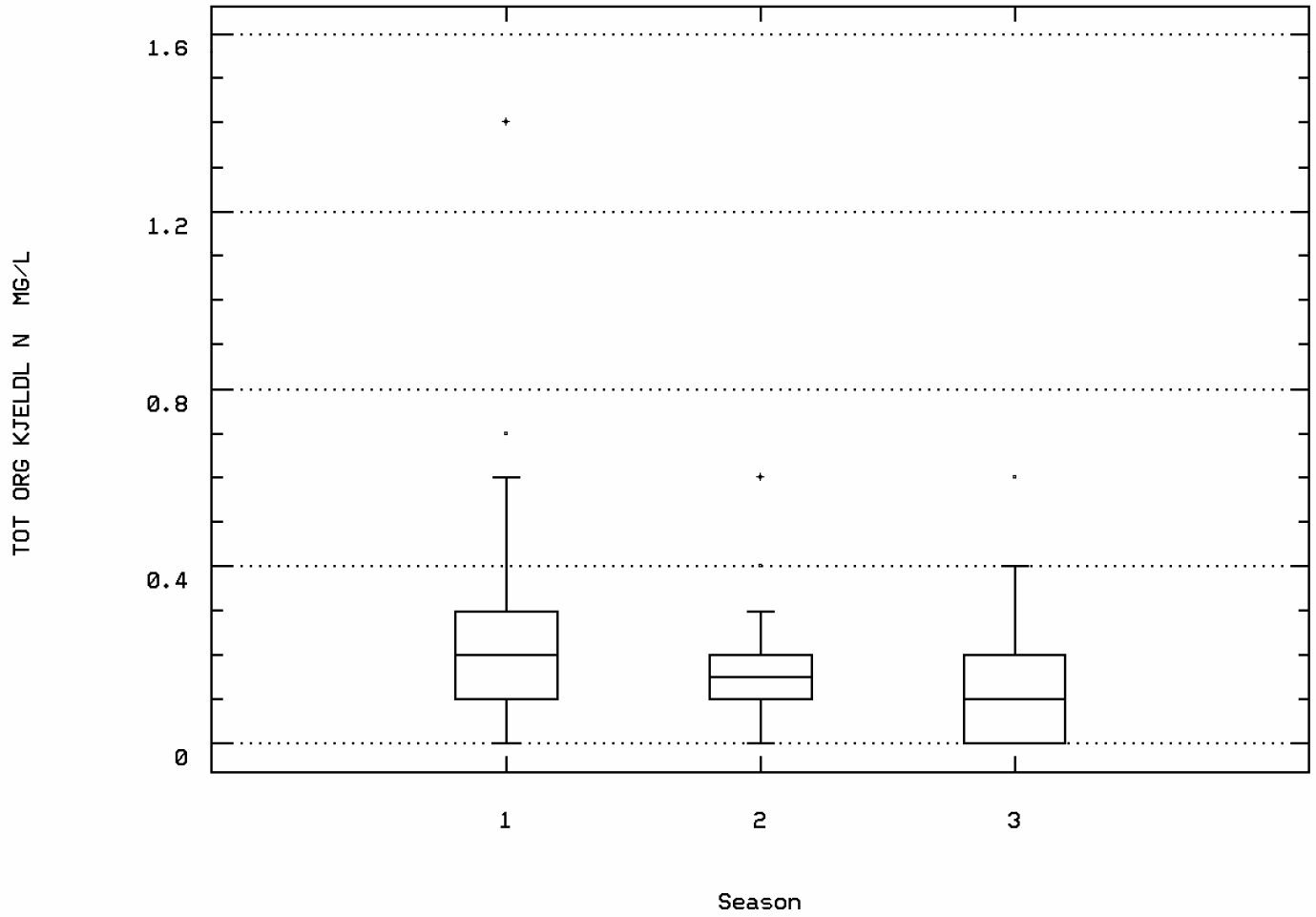
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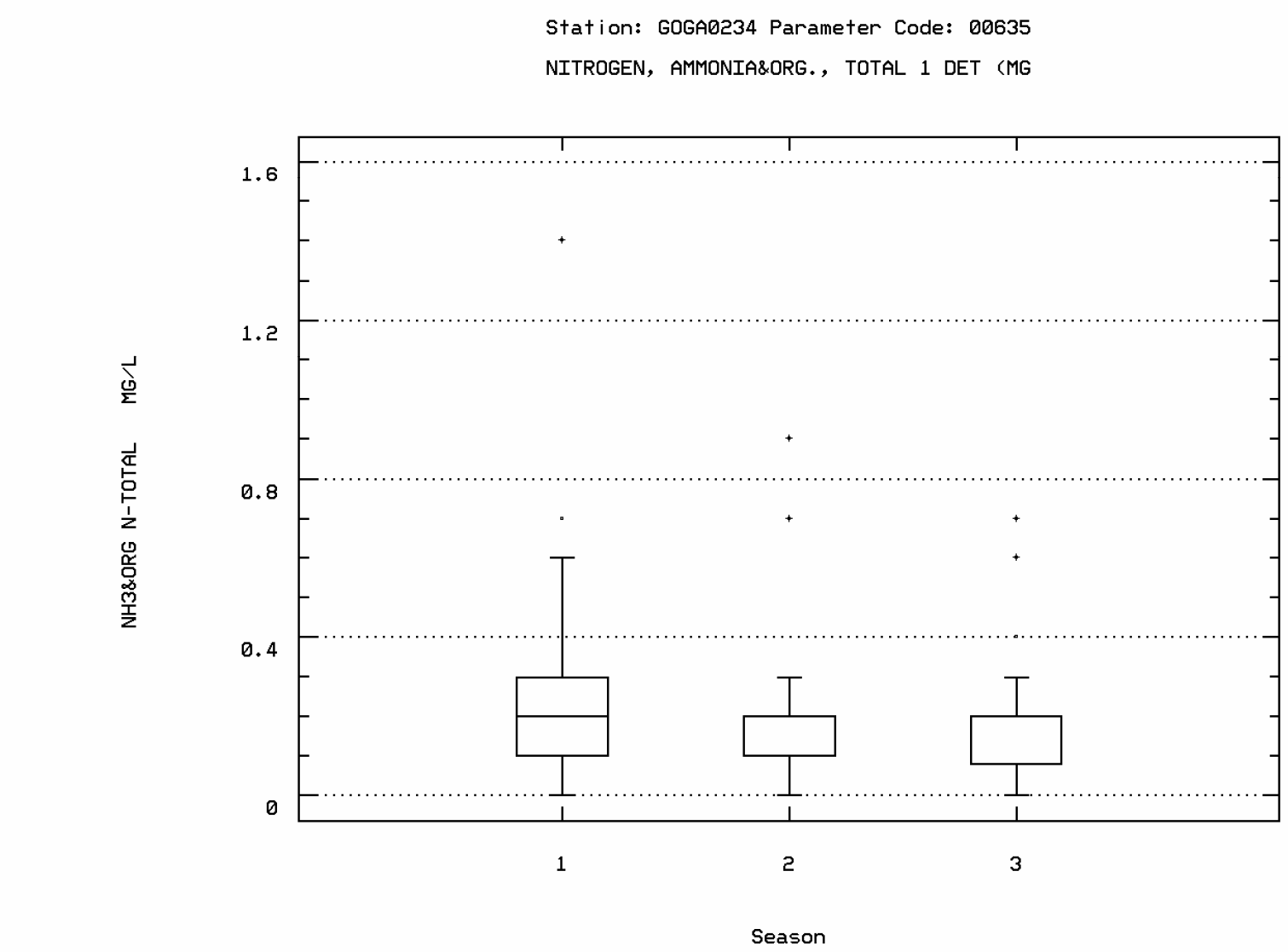
S.F. BAY A TREASURE ISL

Station: GOGA0234 Parameter Code: 00629

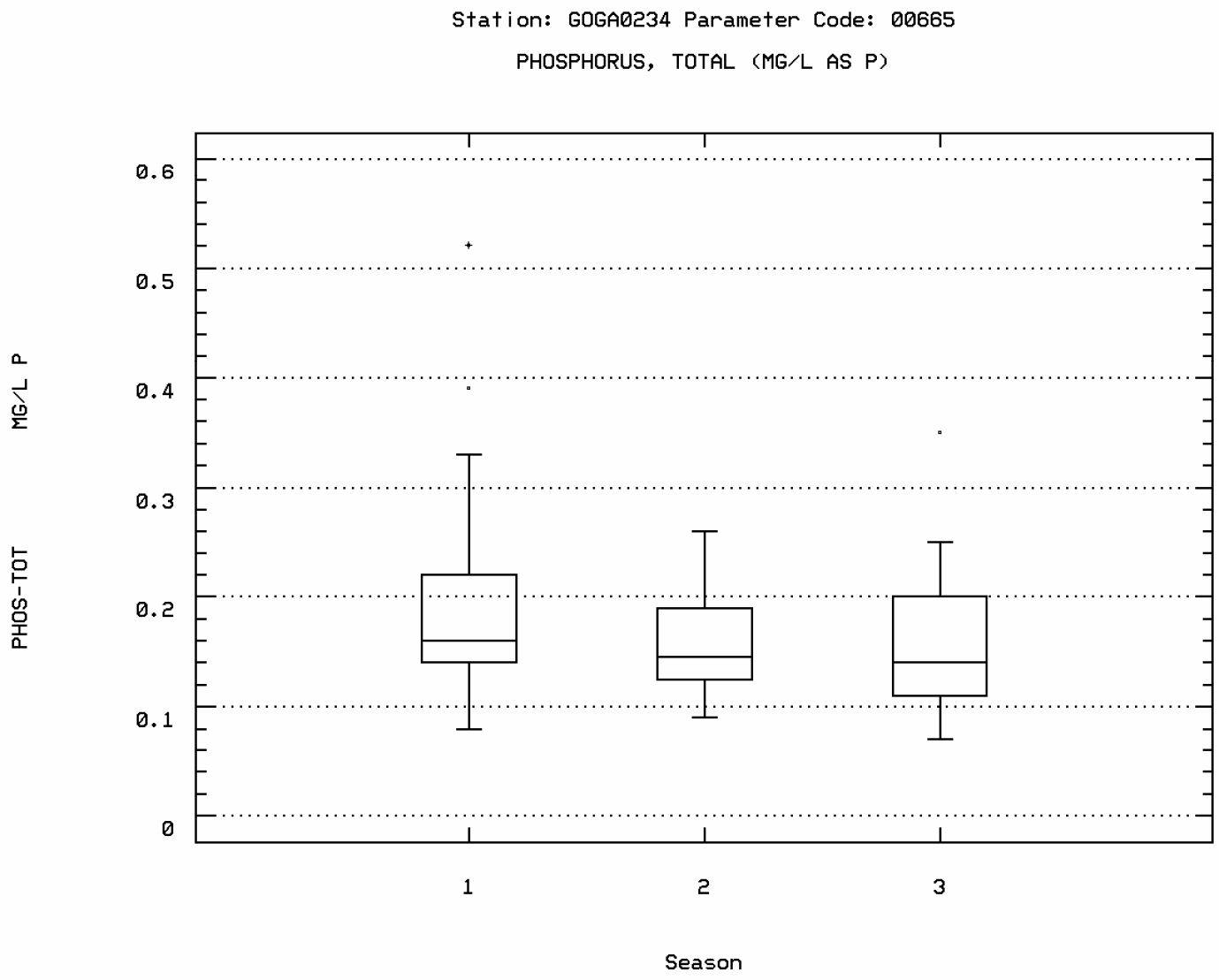
NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L



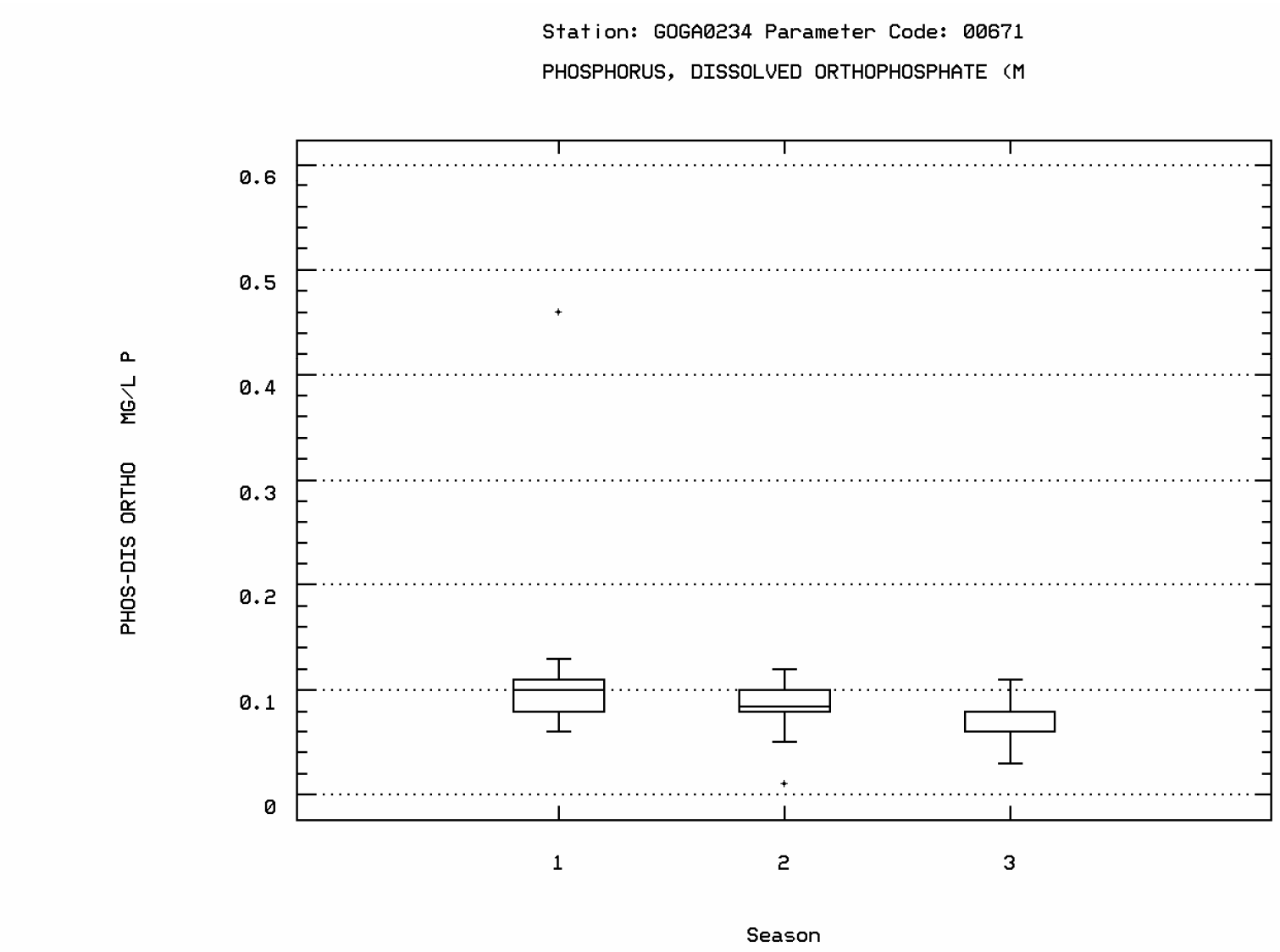
S.F. BAY A TREASURE ISL



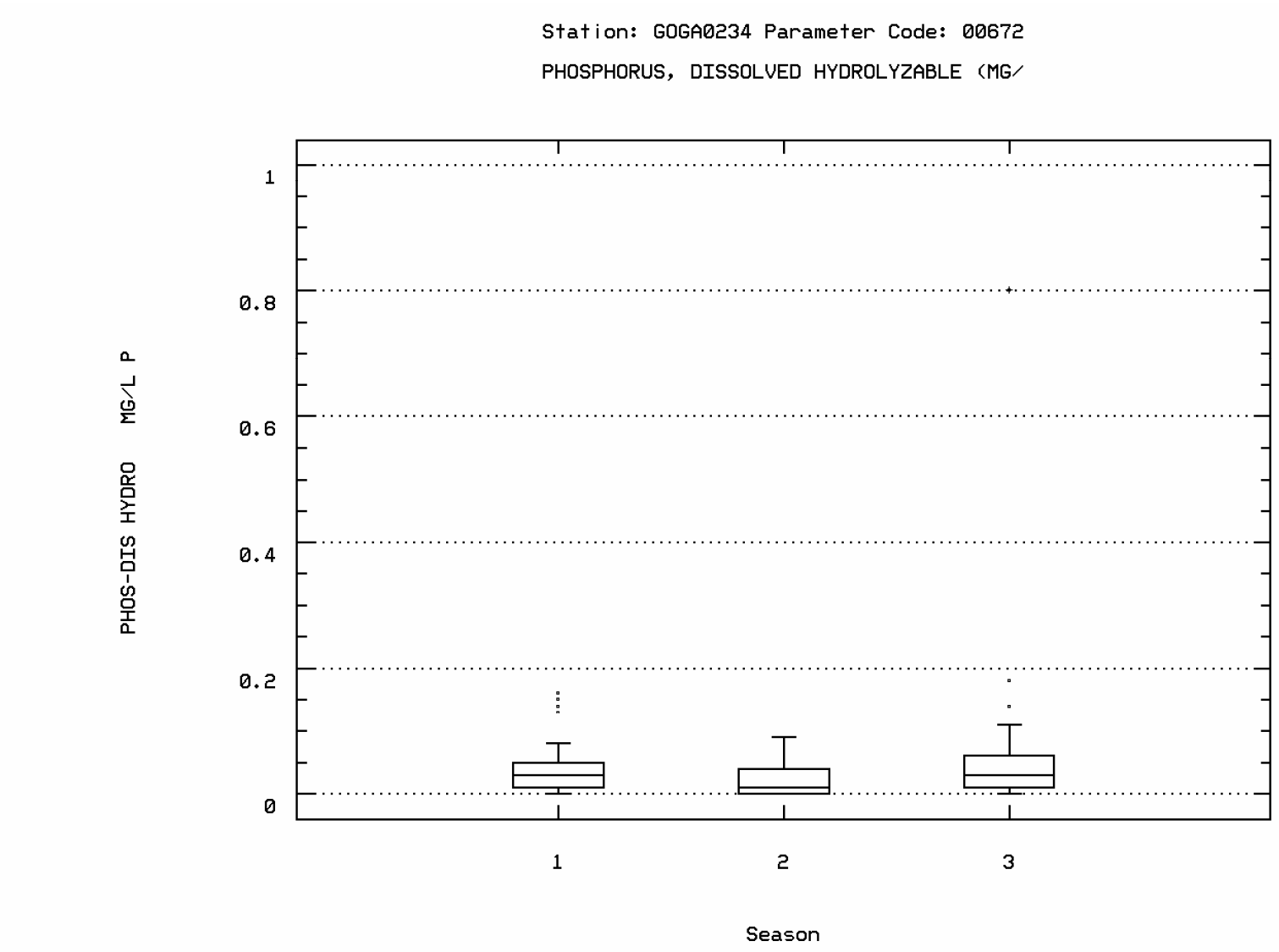
S.F. BAY A TREASURE ISL



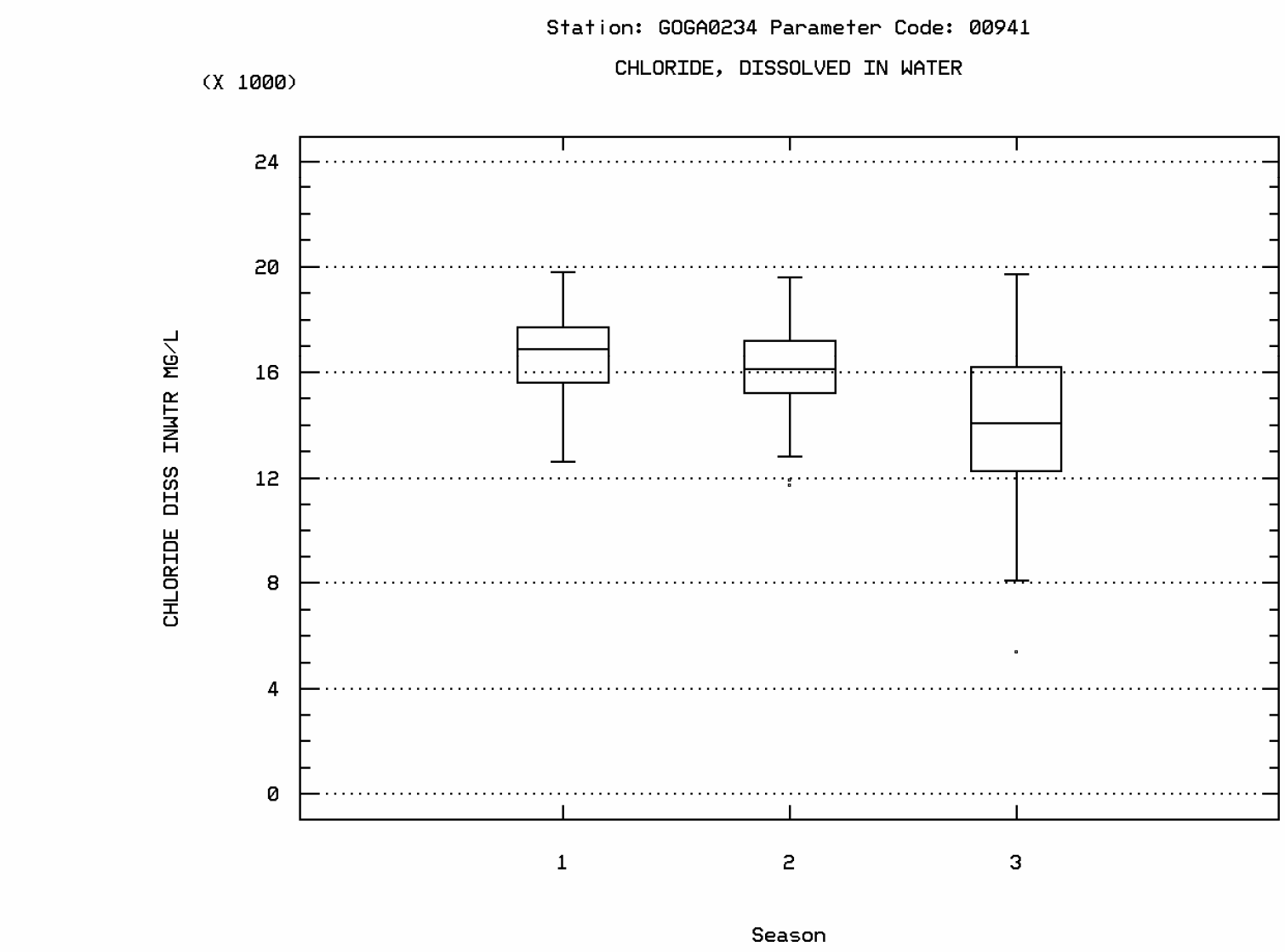
S.F. BAY A TREASURE ISL



S.F. BAY A TREASURE ISL



S.F. BAY A TREASURE ISL



S.F. BAY A TREASURE ISL

Station Inventory for Station: GOGA0235

NPS Station ID: GOGA0235 LAT/LON: 37.821383/-122.423070 Agency: 11COESFD Date Created: 02/03/90
Location: CENTER OF DISPOSAL SITE - NO 1 LOCATION FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): ALCATRAZRICH
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 5.20 On/Off RF1:
RF3 Index: 18050002017200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.28 On/Off RF3:
Description:
ALCATRAZ DISPOSAL SITE - RICHMOND HBR O&M ACTIVITY WATER QUALITY MONITORING OF TURBIDITY BEFORE/
DURING/AFTER EACH DREDGING ACTIVITY. VALUES ARE IN NTU (NEPHELOMETER TURBIDITY UNITS). THREE
ADDITIONAL SAMPLING SITES ARE IDENTIFIED BY A VARIANCE IN THE X AND Y DIRECTIONS CALCULATED
TO 1/1000 MILE FROM THE CENTER SAMPLING SITE. THE DATA FOR THE FOUR STATIONS ARE SEPERATED BY ARBITRARY
HOURS (0100 - 0400) AT THE END OF THE DATE CODE. 0100 (SITE 1) IS CENTER OF THE DISPOSAL AREA
0200 (SITE 2) IS 200 FEET NORTHWEST OF BOUNDARY 0300 (SITE 3) IS 200 FEET SOUTHWEST OF BOUNDARY
0400 (SITE 4) IS 200 FEET SOUTHEAST OF BOUNDARY.

Parameter Inventory for Station: GOGA0235

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: GOGA0236

NPS Station ID: GOGA0236 LAT/LON: 37.821388/-122.466120 Agency: 21CAL-84 Date Created: 04/19/86
Location: DUMMY STATION FOR CENTRAL S.F. BAY SALMON TRAWL FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): RSAC001 /CSFB /200 /DUMMY
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002001 RF1 Mile Point: 3.600 Distance from RF1: 14.20 On/Off RF1: OFF
RF3 Index: 18050002017300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
THIS IS A DUMMY STATION USED TO REPRESENT ALL OF THE SITES AT SHICH TRAWLING FOR OUTMIGRANT CHINOOK SALMON SMOLTS TOOK PLACE. USE THE START AND FINISH LATITUDES AND LONGITUDES TO CALCULATE THE EXACT LOCATIO OF EACH TOW. TRAWLS WERE MADE USING A 10X30 MIDWATER TRAWL FISHED AT TH SURFACE AT A SPEED OF 3-7KNOTS. TRAWLING WAS STARTED IN 1983 AND IS ONG TRAWLING IS CONDUCTED APPROXIMATELY 45 DAY EACH YEAR BETWEEN APRIL AND AUGUST. CONTACT CA DEPT. FISH AND GAME 209-466-4421 FOR TECHNICAL DETAILS.

Parameter Inventory for Station: GOGA0236

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: GOGA0237

NPS Station ID: GOGA0237 LAT/LON: 37.821383/-122.423070 Agency: 11COESFD Date Created: 02/03/90
Location: CENTER OF DISPOSAL SITE - NO 1 LOCATION FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): ALCATRAZOAKL
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 5.10 On/Off RF1:
RF3 Index: 18050002000203.73 RF3 Mile Point: 8.06 Distance from RF3: 0.48 On/Off RF3:
Description:
ALCATRAZ DISPOSAL SITE - OAKLAND HBR O&M ACTIVITY WATER QUALITY MONITORING OF TURBIDITY BEFORE/
DURING/AFTER EACH DREDGING ACTIVITY. VALUES ARE IN NTU (NEPHELOMETER TURBIDITY UNITS). THREE
ADDITIONAL SAMPLING SITES ARE IDENTIFIED BY A VARIANCE IN THE X AND Y DIRECTIONS CALCULATED
TO 1/1000 MILE FROM THE CENTER SAMPLING SITE. THE DATA FOR THE FOUR STATIONS ARE SEPERATED BY ARBITRARY
HOURS (0100 - 0400) AT THE END OF THE DATE CODE. 0100 (SITE 1) IS CENTER OF THE DISPOSAL AREA
0200 (SITE 2) IS 200 FEET NORTHWEST OF BOUNDARY 0300 (SITE 3) IS 200 FEET SOUTHWEST OF BOUNDARY
0400 (SITE 4) IS 200 FEET SOUTHEAST OF BOUNDARY.

Parameter Inventory for Station: GOGA0237

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: GOGA0238

NPS Station ID: GOGA0238 LAT/LON: 37.821383/-122.423070 Agency: 11COESFD Date Created: 02/03/90
Location: CENTER OF DISPOSAL SITE - NO 1 LOCATION FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): ALCATRAZREDC
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050004 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050004 RF1 Mile Point: 0.000 Distance from RF1: 5.20 On/Off RF1:
RF3 Index: 18050002017200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.28 On/Off RF3:
Description:
ALCATRAZ DISPOSAL SITE - REDWOOD CITY O&M ACTIVITY WATER QUALITY MONITORING OF TURBIDITY BEFORE/
DURING/AFTER EACH DREDGING ACTIVITY. VALUES ARE IN NTU (NEPHELOMETER TURBIDITY UNITS). THREE
ADDITIONAL SAMPLING SITES ARE IDENTIFIED BY A VARIANCE IN THE X AND Y DIRECTIONS CALCULATED
TO 1/1000 MILE FROM THE CENTER SAMPLING SITE. THE DATA FOR THE FOUR STATIONS ARE SEPERATED BY ARBITRARY
HOURS (0100 - 0400) AT THE END OF THE DATE CODE. 0100 (SITE 1) IS CENTER OF THE DISPOSAL AREA
0200 (SITE 2) IS 200 FEET NORTHWEST OF BOUNDARY 0300 (SITE 3) IS 200 FEET SOUTHWEST OF BOUNDARY
0400 (SITE 4) IS 200 FEET SOUTHEAST OF BOUNDARY.

Parameter Inventory for Station: GOGA0238

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: GOGA0239

NPS Station ID: GOGA0239 | LAT/LON: 37.822779/-122.553349 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: PACIFIC OCEAN AT POTATOPATCH SHOAL | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E1O74942332 /2032001
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050002 | Depth of Water: 0 | Aquifer:
Major Basin: SAN FRANCISCO BAY AREA | Elevation: 0 | Water Body Id:
Minor Basin: COAST-MARIN | ECO Region:
RF1 Index: 18050002 | RF1 Mile Point: 0.000 | Distance from RF1: 6.80 | On/Off RF1:
RF3 Index: 18050002046100.00 | RF3 Mile Point: 1.46 | Distance from RF3: 0.03 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 969 ; ELEVATION: 1 ;
STATION NAME: PACIFIC OCEAN AT POTATOPATCH SHOA; DWR COUNTY CODE: 21; LATITUDE: 374922; LONGITUDE: 1223312;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01S, RANGE 06, SECTION BASE M;
USGS QUADRANGLE NUMBER: . 467; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0239

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/69-09/15/69	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/15/69-09/15/69	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00629	NITROGEN, ORGANIC KJELDAHL, TOTAL (MG/L AS N)	09/15/69-09/15/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	09/15/69-09/15/69	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/69-09/15/69	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/15/69-09/15/69	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/15/69-09/15/69	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00672	PHOSPHORUS, DISSOLVED HYDROLYZABLE (MG/L AS P)	09/15/69-09/15/69	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

EPA Water Quality Criteria Analysis for Station: GOGA0239

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00618	NITRATE NITROGEN, DISSOLVED AS N	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: GOGA0240

NPS Station ID: GOGA0240
LAT/LON: 37.825418/-122.407926
Agency: 1119REG9
Date Created: / /
Location: 4100 FT OUT, OFF END OF PIER 35
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000088
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002000203.73
RF3 Mile Point: 5.33
Distance from RF3: 0.20
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL SEDIMENT STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY 4100 FT OFF THE END OF PIER 35 ON A RADIAL EXTENDING FROM PIER 35. THIS STATION IS LABELED B-35-9. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0240

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: GOGA0241

NPS Station ID: GOGA0241 LAT/LON: 37.826941/-122.476397 Agency: 21CAL-84 Date Created: 02/15/86
Location: CENTRAL SAN FRANCISCO BAY: NORTH GOLDEN GATE BR FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY/NRSHRE STORET Station ID(s): SHNWSF00 /263 /GOLD GATE NO
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 3 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002036 RF1 Mile Point: 23.240 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 18050002003404.91 RF3 Mile Point: 4.91 Distance from RF3: 0.07 On/Off RF3:
Description:
LOCATION: GOLDEN GATE (NORTH); SOUTHEASTERN SHORELINE OF MARIN PENINSULA APPROXIMATELY 0.4 KM NORTH OF LIME POINT.
HISTORY: ESTABLISHED MID-1980 FOR MONITORING FISH AND CRUSTACEANS IN SHALLOW AREAS OF SAN FRANCISCO BAY; SAMPLED MONTHLY FROM AUG 1980 TO DATE; PROJECT ONGOING; THIS STATION IS SAMPLED REGULARLY. DATA TYPES: STATION NO.; DATE; SURVEY NO.; SURFACE TEMPERATURE AND EC; WAVES; CLOUD COVER; DEPTH AT START OF TOW(S); NET TYPE; TOW NO., LENGTH, WIDTH, TIME, AND CATCH CODE FOR EACH TOW; NUMBERS OF FISH AND CRUSTACEANS CAUGHT BY SPECIES, AND LENGTH FREQUENCIES. SAMPLING TECHNIQUES: TWO TOWS ARE USUALLY COMPLETED AT EACH STATION USING A 50FT X 4FT BEACH SEINE WITH 1/8 INCH DELTA MESH. EACH STATION IS SAMPLED MONTHLY DURING THE EARLY STAGES, OR AT THE BEGINNING OF AN INCOMING TIDE (DURING DAYLIGHT HOURS). FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH AND GAME: 209-466-4421

Parameter Inventory for Station: GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	64	14.95	14.527	18.5	8.3	4.701	2.168	11.25	13.3	16.	17.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	65	46530.	44002.492	54528.	14430.	50018091.441	7072.347	32721.4	41919.5	48196.	49632.8

** - 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

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

Annual Analysis for 1980 - Station GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	4	13.25	13.85	16.9	12.	4.617	2.149	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	5	47700.	49721.6	54528.	45360.	19121812.8	4372.85	**	**	**	**

** - 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 1981 - Station GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	8	15.4	15.375	17.	13.6	1.274	1.129	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	8	48050.	47175.	49700.	40200.	9305000.	3050.41	**	**	**	**

** - 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 box-and-whisker plot

Annual Analysis for 1982 - Station GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	9	15.	15.044	18.3	11.1	4.733	2.175	11.1	13.65	16.5	18.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	9	41300.	39748.333	46999.	27800.	44419873.25	6664.824	27800.	33450.	44888.5	46999.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	8	16.5	15.65	18.	12.	4.409	2.1	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	8	36029.	36690.125	43120.	28971.	28254900.696	5315.534	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	10	14.	13.53	16.	10.	4.189	2.047	10.11	11.775	15.225	15.99
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	10	48177.	46850.8	49800.	36928.	14369166.622	3790.668	37704.	46213.5	49148.25	49770.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	14.05	13.475	17.	8.3	7.838	2.8	8.81	10.875	15.9	16.85
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	48612.	48559.833	51615.	46018.	2062408.152	1436.109	46431.4	47442.25	49490.	51061.5

** - 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 1986 - Station GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	14.5	14.975	18.5	12.	3.16	1.778	12.48	13.9	16.325	18.05
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	44509.	40751.583	47541.	14430.	96424952.811	9819.621	18366.	41489.25	46202.	47354.7

** - 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 1987 - Station GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	1	42653.	42653.	42653.	42653.	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: 5/15 to 10/09 - Station GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	30	16.	16.023	18.5	13.9	1.143	1.069	14.8	15.	17.	17.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	31	46920.	45684.903	54320.	33069.	21226360.224	4607.207	37987.8	43367.	48786.	49677.6

** - 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: 10/10 to 1/14 - Station GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	16	13.25	13.125	17.	8.3	5.203	2.281	9.49	12.	14.975	16.16
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	16	47099.5	46135.438	54528.	28971.	31295863.196	5594.271	37951.3	44380.5	48611.25	52488.9

** - 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 #3: 1/15 to 5/14 - Station GOGA0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	18	13.6	13.278	18.3	10.	3.428	1.851	10.99	11.85	14.	15.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	18	41979.5	39209.056	49500.	14430.	89459145.114	9458.284	26238.	32180.	47401.5	47736.9

** - 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: GOGA0242

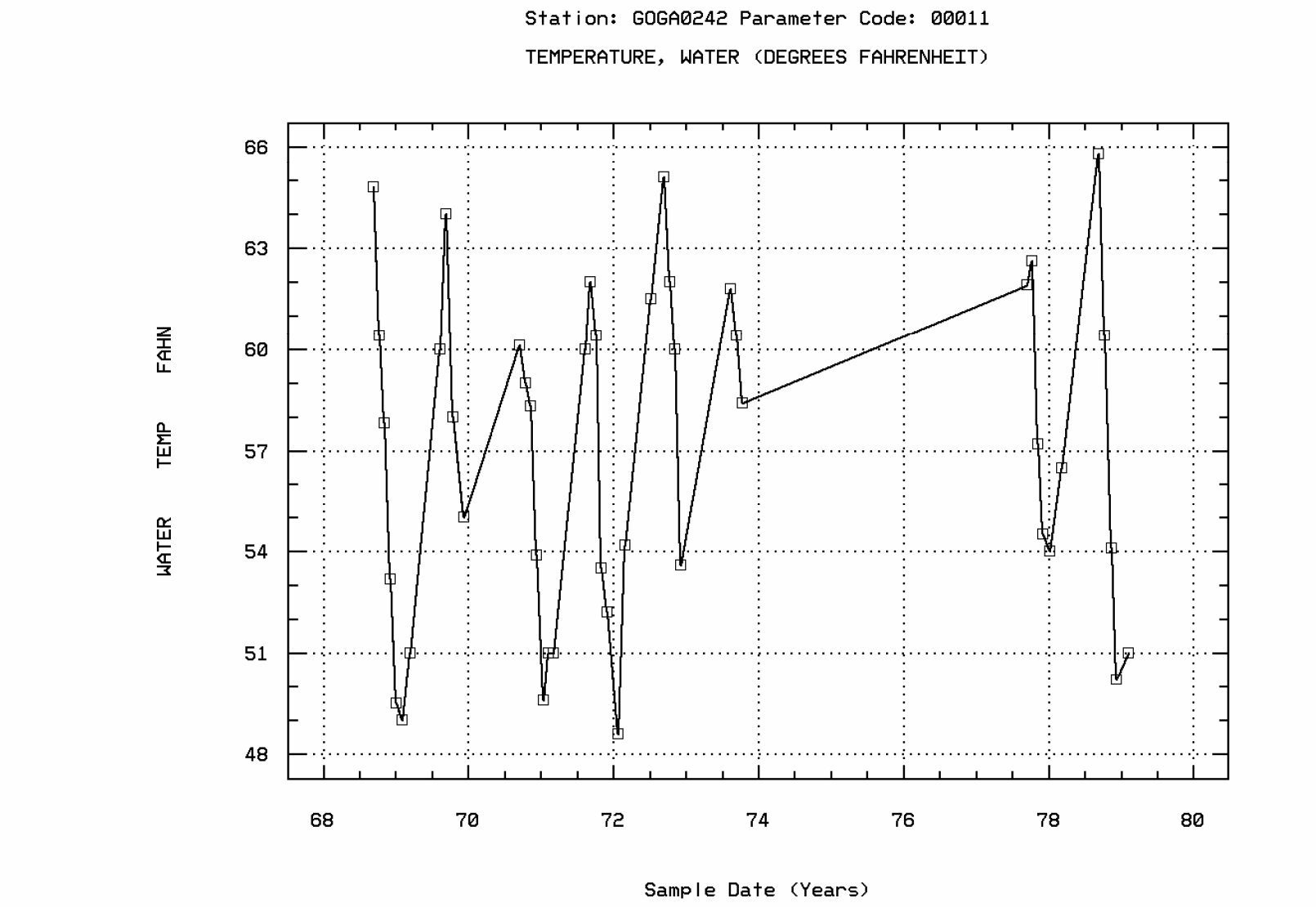
NPS Station ID: GOGA0242 LAT/LON: 37.827772/-122.358342 Agency: 21CAL-82 Date Created: 02/15/86
Location: N SF BAY 500 YDS EAST OF TREASURE ISL. DOCKS. FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): LSFA01 /MWT205
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 31 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 13.00 On/Off RF1:
RF3 Index: 18050002016700.00 RF3 Mile Point: 1.45 Distance from RF3: 0.69 On/Off RF3:
Description:
LOCATION- N SF BAY 500 YDS E OF TREASURE ISLAND DOCKS. HISTORY-ESTABLISHED 1968 FOR MONITORING YOUNG STRIPED BASS FALL-WINTER ABUNDANCE. SAMPLING NOT DONE IN 1974,NOR SINCE 1978. DATA TYPES- EC, SECCHI,TEMPERATURE,(STATION DEPTH, BOAT SPEED,TIME OF TOW (FOR SOME RECENT YEARS)),NUMBER OF FISH CAUGHT BY SPECIES. SAMPLING TECHNIQUES- 12FTX12FT MIDWATER TRAWL WITH VARIABLE MESH. OBLIQUE TOWS FOR 12 MINUTES. SAMPLING DONE WITHOUT RESPECT TO TIDAL STAGE OR DIRECTION OF FLOW. FOR TECHNICAL DETAILS CONTACT CALIF FISH AND GAME 209-466-4421

Parameter Inventory for Station: GOGA0242

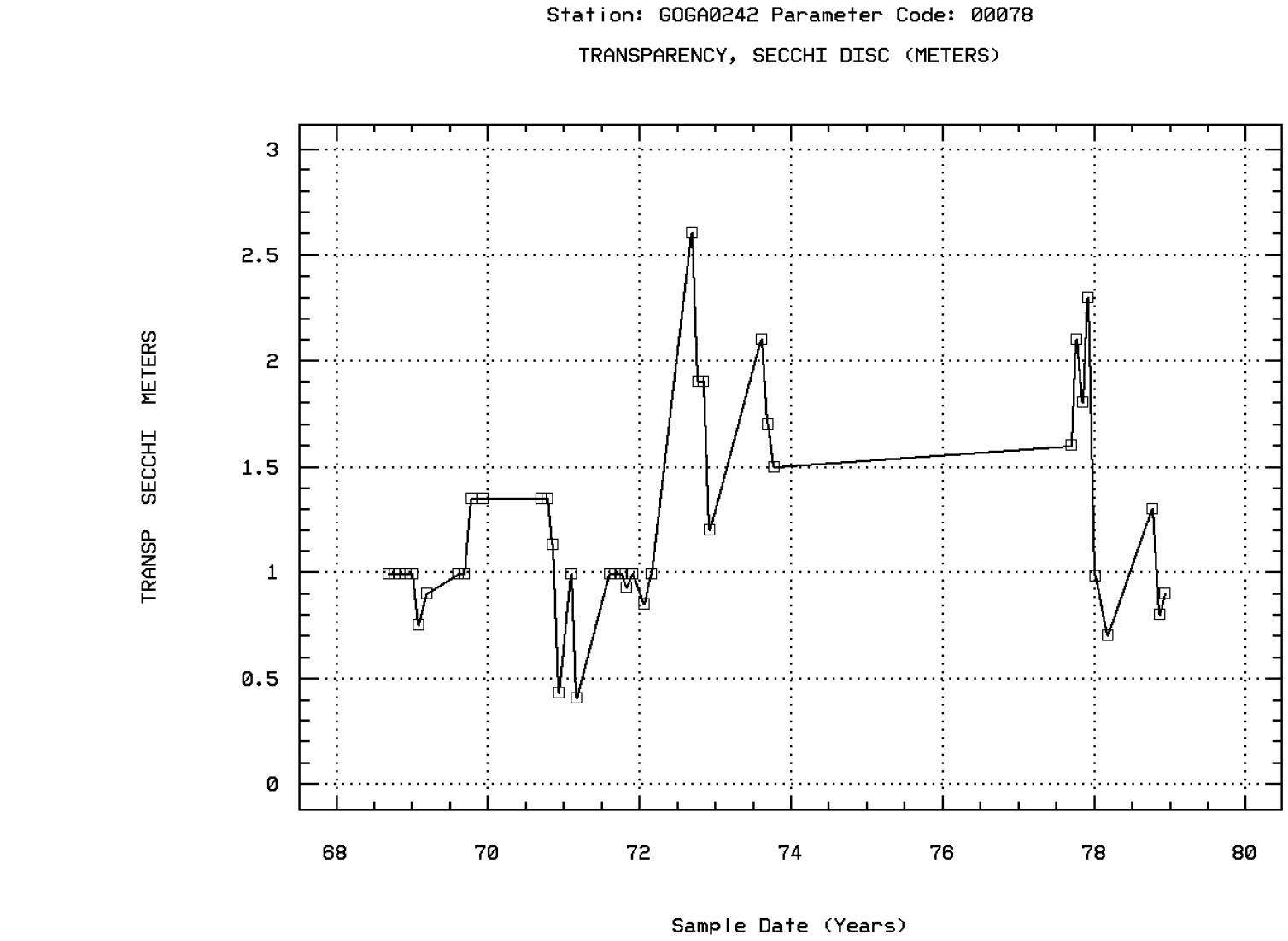
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/11/68-02/07/79	44	57.9	56.989	65.8	48.6	24.097	4.909	49.9	53.275	60.4	63.3
00078p	TRANSPARENCY, SECCHI DISC (METERS)	09/11/68-02/07/79	43	0.99	1.21	2.6	0.41	0.23	0.48	0.77	0.99	1.35	2.02
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/11/68-02/07/79	44	39431.	38318.091	49926.	14890.	57778530.736	7601.219	27626.	34557.	44845.	46590.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/11/78-02/07/79	5	30.	32.	40.	30.	20.	4.472	**	**	**	**

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

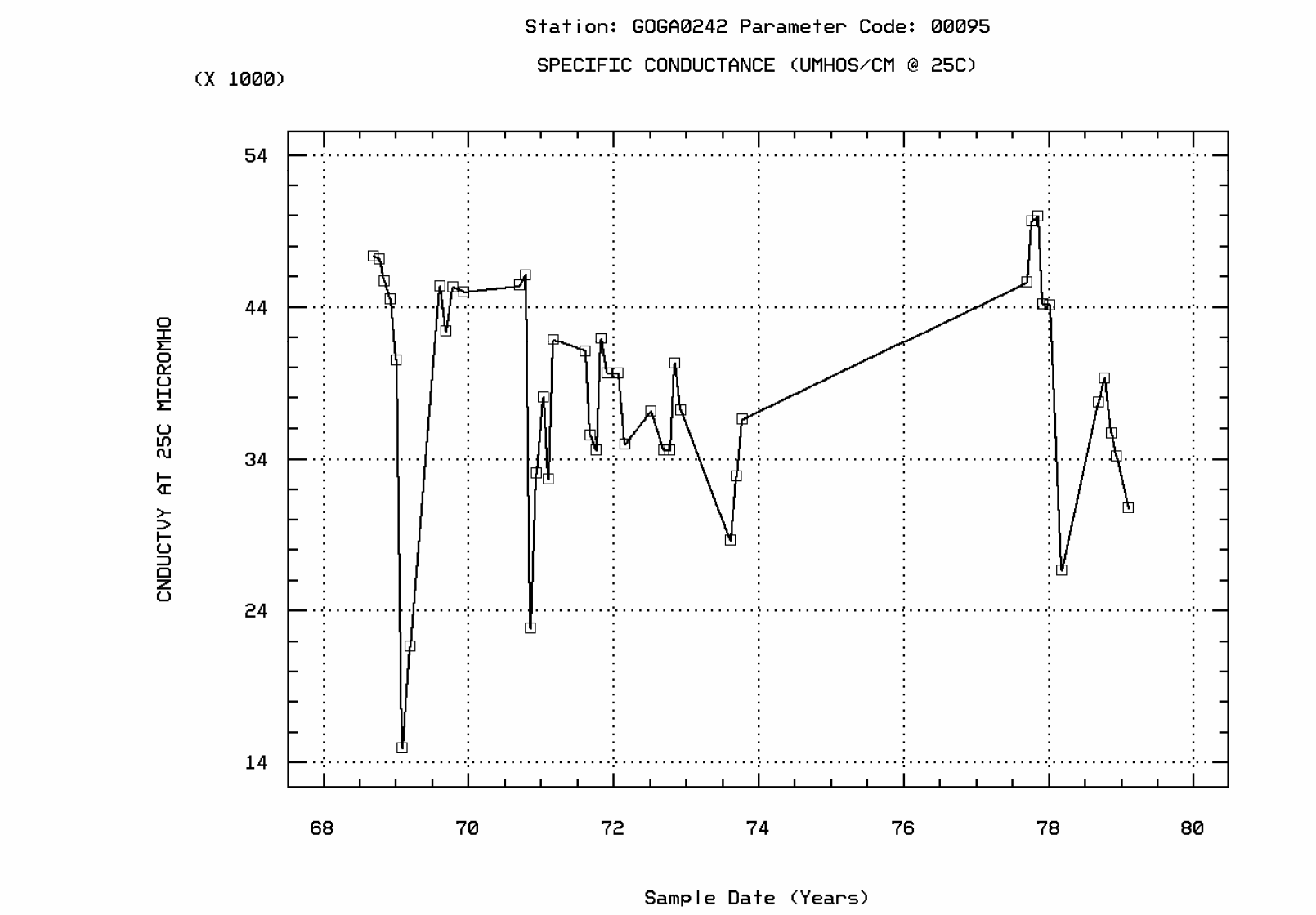
********** No EPA Water Quality Criteria exist to compare against the data at this station. **********



N SF BAY 500 YDS EAST OF TREASURE ISL.



N SF BAY 500 YDS EAST OF TREASURE ISL.



N SF BAY 500 YDS EAST OF TREASURE ISL.

Station Inventory for Station: GOGA0243

NPS Station ID: GOGA0243
LAT/LON: 37.829165/-122.405703
Agency: 1119REG9
Date Created: / /
Location: 600 FT OUT, OFF END OF PIER 33
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000086
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 13.30
On/Off RF1:
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 1.11
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL SEDIMENT STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY 600 FEET OFF THE END OF PIER 33 ON A RADIAL EXTENDING FROM PIER 33. THIS STATION IS LABELED B-33-2. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0243

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: GOGA0244

NPS Station ID: GOGA0244 LAT/LON: 37.830358/-122.532338 Agency: 11NPSWRD Date Created: 07/11/98
Location: RODEO LAGOON AT THE FAR WEST TRANSECT FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_BA_A
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON THE FAR WEST SIDE OF RODEO LAGOON. THE SITE IS THE MIDDLE SITE OF THREE ALONG TRANSECT "A." THE THREE SAMPLES ARE MIXED TOGETHER TO FORM ONE COMPOSITE SAMPLE. THE SITE IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED ON 23 NOVEMBER 1992; AND THE RESULTS ARE IN "RODEO LAGOON NUTRIENT ANALYSIS: SEDIMENT AND WATER SAMPLING NOVEMBER 1992" PREPARED BY BIOSYSTEMS ANALYSIS INC.; (4 JANUARY 1993). SEE FIGURE 2-1 OF THE REPORT FOR EXACT TRANSECT LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0244

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	11/23/92-11/23/92	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/23/92-11/23/92	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
00616	NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/23/92-11/23/92	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
00621	NITRATE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
49179	TOTAL AMMONIUM, TOTAL, WATER UG/L	11/23/92-11/23/92	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/23/92-11/23/92	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
70511	PHOSPHORUS,ORTHO,IN BOTTOM DEPOS.(MG/KG-P DRY WT)	11/23/92-11/23/92	1	5.5	5.5	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

EPA Water Quality Criteria Analysis for Station: GOGA0244

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.

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

Station Inventory for Station: GOGA0245

NPS Station ID: GOGA0245 | LAT/LON: 37.830639/-122.530427 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: RODEO LAGOON AT THE WEST TRANSECT | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): GOGA_BA_B
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE ON THE WEST SIDE OF RODEO LAGOON. THE SITE IS THE MIDDLE SITE OF THREE ALONG TRANSECT "B." THE THREE SAMPLES ARE MIXED TOGETHER TO FORM ONE COMPOSITE SAMPLE. THE SITE IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED ON 23 NOVEMBER 1992; AND THE RESULTS ARE IN "RODEO LAGOON NUTRIENT ANALYSIS: SEDIMENT AND WATER SAMPLING NOVEMBER 1992" PREPARED BY BIOSYSTEMS ANALYSIS INC.; (4 JANUARY 1993). SEE FIGURE 2-1 OF THE REPORT FOR EXACT TRANSECT LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0245

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	11/23/92-11/23/92	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00616	NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00621	NITRATE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
70511	PHOSPHORUS,ORTHO,IN BOTTOM DEPOS.(MG/KG-P DRY WT)	11/23/92-11/23/92	1	4.5	4.5	4.5	4.5	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: GOGA0246

NPS Station ID: GOGA0246
LAT/LON: 37.831109/-122.535287
Agency: 112WRD
Date Created: 06/20/87
Location: RODEO LAGOON CALIF
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 374952122320701
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002003300.00
RF3 Mile Point: 4.76
Distance from RF3: 0.40
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/86-01/29/86	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	01/29/86-01/29/86	1	755.	755.	755.	755.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/86-01/29/86	1	10400.	10400.	10400.	10400.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/29/86-01/29/86	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/29/86-01/29/86	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/29/86-01/29/86	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/29/86-01/29/86	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/29/86-01/29/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/29/86-01/29/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/29/86-01/29/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/29/86-01/29/86	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/29/86-01/29/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/29/86-01/29/86	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/29/86-01/29/86	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/29/86-01/29/86	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/29/86-01/29/86	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/29/86-01/29/86	1	270.	270.	270.	270.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/29/86-01/29/86	1	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	01/29/86-01/29/86	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	01/29/86-01/29/86	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/29/86-01/29/86	1	81.	81.	81.	81.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/29/86-01/29/86	1	4600.	4600.	4600.	4600.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/29/86-01/29/86	1	760.	760.	760.	760.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/29/86-01/29/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/29/86-01/29/86	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/29/86-01/29/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/29/86-01/29/86	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/29/86-01/29/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/29/86-01/29/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/29/86-01/29/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/29/86-01/29/86	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/29/86-01/29/86	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/29/86-01/29/86	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/29/86-01/29/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39055	SIMAZINE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39056	PROMETONE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	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

Parameter Inventory for Station: GOGA0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/29/86-01/29/86	1	8060.	8060.	8060.	8060.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/29/86-01/29/86	1	8270.	8270.	8270.	8270.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/29/86-01/29/86	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: GOGA0246

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	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	Fresh Chronic	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	1	1.00							1	1	1.00			
		Drinking Water	250.	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			
00950	FLUORIDE, 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			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00							1	1	1.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		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.	0 &	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			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	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: GOGA0247

NPS Station ID: GOGA0247 LAT/LON: 37.831114/-122.534151 Agency: 11NPSWRD Date Created: 07/18/98
Location: RODEO LAGOON AT THE PEDESTRIAN BRIDGE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_ICB96_RLS2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE WESTERN SIDE OF RODEO LAGOON NEAR THE PEDESTRIAN BRIDGE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED ON 14 AUGUST 1996 AND 28 AUGUST 1996. THE RESULTS ARE IN "CHARACTERIZATION OF PHYTOPLANKTON IN RODEO LAGOON AND RODEO LAKE; GGNRA; DURING AUGUST 1996" BY C.M. CODEMO; M. PODLECH; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; 4 SEPTEMBER 1996). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250 FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0247

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/96-08/28/96	4	16.65	16.6	18.2	14.9	3.033	1.742	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/96-08/28/96	3	5.2	5.1	6.9	3.2	3.43	1.852	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	08/14/96-08/28/96	3	5.	6.333	9.	5.	5.333	2.309	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0247

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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	Other-Lo Lim.	4.	3	1	0.33	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: GOGA0248

NPS Station ID: GOGA0248 | LAT/LON: 37.831162/-122.528310 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: RODEO LAGOON AT THE EAST TRANSECT | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): GOGA_BA_C
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON THE EAST SIDE OF RODEO LAGOON. THE SITE IS THE MIDDLE SITE OF THREE ALONG TRANSECT "C." THE THREE SAMPLES ARE MIXED TOGETHER TO FORM ONE COMPOSITE SAMPLE. THE SITE IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED ON 23 NOVEMBER 1992; AND THE RESULTS ARE IN "RODEO LAGOON NUTRIENT ANALYSIS: SEDIMENT AND WATER SAMPLING NOVEMBER 1992" PREPARED BY BIOSYSTEMS ANALYSIS INC.; (4 JANUARY 1993). SEE FIGURE 2-1 OF THE REPORT FOR EXACT TRANSECT LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	11/23/92-11/23/92	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00616	NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00621	NITRATE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
70511	PHOSPHORUS,ORTHO,IN BOTTOM DEPOS.(MG/KG-P DRY WT)	11/23/92-11/23/92	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

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

Station Inventory for Station: GOGA0249

NPS Station ID: GOGA0249
LAT/LON: 37.831501/-122.529592
Agency: 11NPSWRD
Date Created: 07/18/98
Location: NORTH SIDE OF RODEO LAGOON
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): GOGA_ICB93_RLS2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE NORTH SIDE OF RODEO LAGOON AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 8 JULY 1993 THROUGH 5 AUGUST 1993 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "SOME PHYSICAL; CHEMICAL; AND BIOLOGICAL CHARACTERISTICS OF RODEO LAGOON; RODEO LAKE; AND RODEO CREEK-INITIAL STUDY SUMMER 1993" BY M. PODLECH; C.M. CODEMO; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; NOVEMBER 1993). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/93-08/05/93	3	21.4	21.033	21.9	19.8	1.203	1.097	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/08/93-08/05/93	3	20.5	19.2	20.6	16.5	5.47	2.339	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/08/93-08/05/93	3	5000.	5166.667	5500.	5000.	83333.333	288.675	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/08/93-08/05/93	3	10.8	12.133	15.2	10.4	7.093	2.663	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/08/93-08/05/93	3	120.	131.667	161.	114.	654.333	25.58	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/08/93-08/05/93	3	9.3	9.167	9.7	8.5	0.373	0.611	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/08/93-08/05/93	3	9.3	8.89	9.7	8.5	0.488	0.699	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/93-08/05/93	3	0.001	0.001	0.003	0.	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/08/93-08/05/93	3	127.	126.667	133.	120.	42.333	6.506	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	07/08/93-08/05/93	3	3.5	4.267	6.3	3.	3.163	1.779	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-08/05/93	3	0.06	0.08	0.13	0.05	0.002	0.044	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/93-08/05/93	3	0.08	0.087	0.12	0.06	0.001	0.031	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/08/93-08/05/93	3	0.37	0.337	0.4	0.24	0.007	0.085	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/14/93-07/14/93	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/14/93-07/14/93	1	80.6	80.6	80.6	80.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/14/93-07/14/93	1	593.29	593.29	593.29	593.29	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/14/93-07/14/93	1	39.07	39.07	39.07	39.07	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/08/93-08/05/93	2	125.	125.	162.	88.	2738.	52.326	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/08/93-08/05/93	3	114.	128.	160.	110.	772.	27.785	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/14/93-07/14/93	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/14/93-07/14/93	1	47.	47.	47.	47.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/14/93-07/14/93	1	1133.	1133.	1133.	1133.	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: GOGA0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/14/93-07/14/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/14/93-07/14/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	07/14/93-07/14/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/14/93-07/14/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/14/93-07/14/93	1	37.	37.	37.	37.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/14/93-07/14/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/14/93-07/14/93	1	37.	37.	37.	37.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/14/93-07/14/93	1	47.	47.	47.	47.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/14/93-07/14/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	07/14/93-07/14/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/14/93-07/14/93	1	574.	574.	574.	574.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	07/14/93-07/14/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/14/93-07/14/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/14/93-07/14/93	1	61.	61.	61.	61.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/14/93-07/14/93	1	138.	138.	138.	138.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/14/93-07/14/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/14/93-07/14/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
47501	WEATHER AT TIME OF SAMPLING	07/08/93-08/05/93	3	1.	2.	4.	1.	3.	1.732	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/14/93-07/14/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/08/93-08/05/93	3	8.8	9.333	11.8	7.4	5.053	2.248	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0249

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00									
00406	PH, FIELD	Marine Chronic	8.5	3	3	1.00	3	3	1.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
01000	ARSENIC, DISSOLVED	Marine Acute	69.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Marine Acute	43.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Marine Acute	2.9	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Marine Acute	220.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Marine Acute	75.	1	0	0.00	1	0	0.00									
01075	SILVER, DISSOLVED	Marine Acute	0.12	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Marine Acute	95.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Marine Acute	300.	1	0	0.00	1	0	0.00									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Marine Acute	2.1	1	0	0.00	1	0	0.00									
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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: GOGA0250

NPS Station ID: GOGA0250 LAT/LON: 37.831391/-122.526865 Agency: 11NPSWRD Date Created: 07/11/98
Location: RODEO LAGOON AT THE FAR EAST TRANSECT FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_BA_D
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON THE FAR EAST SIDE OF RODEO LAGOON. THE SITE IS THE MIDDLE SITE OF THREE ALONG TRANSECT "D." THE THREE SAMPLES ARE MIXED TOGETHER TO FORM ONE COMPOSITE SAMPLE. THE SITE IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED ON 23 NOVEMBER 1992; AND THE RESULTS ARE IN "RODEO LAGOON NUTRIENT ANALYSIS: SEDIMENT AND WATER SAMPLING NOVEMBER 1992" PREPARED BY BIOSYSTEMS ANALYSIS INC.; (4 JANUARY 1993). SEE FIGURE 2-1 OF THE REPORT FOR EXACT TRANSECT LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0250

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00611	NITROGEN, AMMONIA, BOTTOM DEPOSITS (MG/KG-N)	11/23/92-11/23/92	1	87.	87.	87.	87.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/23/92-11/23/92	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
00616	NITRITE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/23/92-11/23/92	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
00621	NITRATE NITROGEN, BOTTOM DEPOS. (MG/KG-N DRY WGT)	11/23/92-11/23/92	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
49179	TOTAL AMMONIUM, TOTAL, WATER UG/L	11/23/92-11/23/92	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/23/92-11/23/92	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
70511	PHOSPHORUS,ORTHO,IN BOTTOM DEPOS.(MG/KG-P DRY WT)	11/23/92-11/23/92	1	12.	12.	12.	12.	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: GOGA0250

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.

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

Station Inventory for Station: GOGA0251

NPS Station ID: GOGA0251 LAT/LON: 37.831497/-122.535285 Agency: 11NPSWRD Date Created: 07/18/98
Location: RODEO LAGOON AT FORT CRONKITE; NEAR SAUSALITO FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_USGS_RL /11460120
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT RODEO LAGOON AT; FOOTBRIDGE 600 FEET UPSTREAM FROM MOUTH; 2.3 MILES SW OF SAUSALITO. THIS SITE IS LOCATED WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA). THE DATA ARE FROM A REPORT BY MARY ANN MADEJ; "ANALYSIS OF USGS WATER QUALITY DATA 1986-1988." THE REPORT CONTAINS ADDITIONAL DATA FOR USGS STATION 11460120 THAT WERE COLLECTED AND ANALYZED BUT NOT UPLOADED TO STORET BY THE USGS. AS INDICATED IN THE REPORT; SULFATE DATA WERE UPLOADED AS DISSOLVED; AND FECAL COLIFORM DATA ARE QUESTIONABLE DUE TO PROBLEMS WITH THE CULTURES. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/86-06/08/88	5	16.	15.6	17.5	13.	3.425	1.851	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/24/86-07/16/87	3	765.	765.	765.	765.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/86-06/08/88	5	9940.	11188.	16300.	7530.	11743670.	3426.904	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/86-06/08/88	5	8.6	8.7	10.4	7.2	1.5	1.225	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/29/86-06/08/88	6	91.	90.833	103.	76.	103.767	10.187	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/86-06/08/88	5	9.	8.8	9.3	8.	0.265	0.515	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/86-06/08/88	5	9.	8.528	9.3	8.	0.357	0.598	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/86-06/08/88	5	0.001	0.003	0.01	0.001	0.	0.004	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/22/88-06/08/88	2	8.1	8.1	8.8	7.4	0.98	0.99	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/22/88-06/08/88	2	7.684	7.684	8.8	7.4	1.326	1.152	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/88-06/08/88	2	0.021	0.021	0.04	0.002	0.001	0.027	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/86-06/08/88	5	101.	94.4	111.	67.	335.8	18.325	**	**	**	**
00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	03/22/88-06/08/88	2	96.	96.	108.	84.	288.	16.971	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/29/86-07/16/87	4	82.5	81.75	111.	51.	760.917	27.585	**	**	**	**
00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	06/24/86-06/08/88	4	24.	21.75	27.	12.	44.917	6.702	**	**	**	**
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/29/86-06/08/88	6	73.	76.5	103.	58.	298.7	17.283	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/86-06/08/88	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/24/86-06/08/88	5	0.04	0.039	0.08	0.005	0.001	0.032	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/86-07/16/87	3	1300.	1213.333	1600.	740.	190533.333	436.501	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/86-07/16/87	3	1200.	1113.333	1500.	640.	190533.333	436.501	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/86-06/08/88	5	78.	78.6	110.	50.	454.8	21.326	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/86-06/08/88	5	210.	230.	320.	150.	4050.	63.64	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/86-06/08/88	5	1800.	2080.	3300.	1300.	567000.	752.994	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/24/86-07/16/87	3	27.	28.	36.	21.	57.	7.55	**	**	**	**
00932	SODIUM, PERCENT	06/24/86-07/16/87	3	78.	79.	81.	78.	3.	1.732	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/86-06/08/88	5	68.	74.	110.	50.	494.	22.226	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/86-06/08/88	5	3100.	3620.	5600.	2400.	1672000.	1293.058	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/86-06/08/88	5	420.	395.6	730.	88.	55286.8	235.131	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/86-06/08/88	5	0.3	0.32	0.4	0.2	0.007	0.084	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/86-06/08/88	5	6.7	7.1	12.	1.1	16.525	4.065	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/86-06/08/88	5 ##	0.5	1.1	2.	0.5	0.675	0.822	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/24/86-06/08/88	5	810.	734.	1300.	120.	183080.	427.878	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/86-06/08/88	5	10.	29.	60.	5.	805.	28.373	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/86-06/08/88	5	7.	8.5	20.	0.5	53.25	7.297	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/24/86-06/08/88	5	20.	24.	40.	10.	130.	11.402	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/24/86-06/08/88	5	20.	30.	50.	20.	200.	14.142	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/24/86-06/08/88	5 ##	50.	60.	100.	50.	500.	22.361	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/24/86-06/08/88	5	10.	24.	60.	10.	480.	21.909	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	03/22/88-06/08/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/29/86-06/08/88	3	510.	871.667	2100.	5.	1195358.333	1093.324	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/29/86-06/08/88	3	2.708	2.243	3.322	0.699	1.882	1.372	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			174.952								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/29/86-06/08/88	2	2660.	2660.	4600.	720.	7527200.	2743.574	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/29/86-06/08/88	2	3.26	3.26	3.663	2.857	0.324	0.57	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1819.89								
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/86-06/24/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/86-06/24/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/86-06/08/88	5	6270.	6918.	10200.	4300.	4855820.	2203.593	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/86-07/16/87	3	7300.	7200.	10000.	4300.	8130000.	2851.315	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/29/86-07/16/87	4	10.75	10.3	13.9	5.8	11.247	3.354	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/24/86-06/08/88	5 ##	0.05	0.08	0.2	0.05	0.005	0.067	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/24/86-06/24/86	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: GOGA0251

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------5/15-10/09---------- Obs	Exceed	Prop.	----------10/10-1/14---------- Obs	Exceed	Prop.	----------1/15-5/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	3	0	0.00				2	0	0.00			
00400	PH	Marine Chronic	8.5	5	4	0.80	3	3	1.00				2	1	0.50			
		Other-Lo Lim.	6.5	5	0	0.00	3	0	0.00				2	0	0.00			
00403	PH, LAB	Marine Chronic	8.5	2	1	0.50	1	1	1.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
01002	ARSENIC, TOTAL	Marine Acute	69.	5	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: GOGA0251

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01027	CADMIUM, TOTAL	Marine Acute	43.	5	2	0.40	3	1	0.33				2	1	0.50			
01042	COPPER, TOTAL	Marine Acute	2.9	5	5	1.00	3	3	1.00				2	2	1.00			
01051	LEAD, TOTAL	Marine Acute	220.	5	0	0.00	3	0	0.00				2	0	0.00			
01092	ZINC, TOTAL	Marine Acute	95.	5	0	0.00	3	0	0.00				2	0	0.00			
01147	SELENIUM, TOTAL	Marine Acute	300.	2	0	0.00	1	0	0.00				1	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	2	0.67	1	0	0.00				2	2	1.00			
71900	MERCURY, TOTAL	Marine Acute	2.1	5	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: GOGA0252

NPS Station ID: GOGA0252
LAT/LON: 37.831553/-122.535785
Agency: 11NPSWRD
Date Created: 07/11/98
Location: RODEO LAGOON AT FOOT BRIDGE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): GOGA_ICB97_04
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE FOOT BRIDGE AT RODEO LAGOON APPROXIMATELY 1000 FT EAST OF THE PACIFIC OCEAN AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 24 OCTOBER 1996 THROUGH 2 MARCH 1997 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0252

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-03/02/97	4	13.45	13.375	14.9	11.7	2.089	1.445	**	**	**	**
00065	STAGE, STREAM (FEET)	03/02/97-03/02/97	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-03/02/97	4	6500.	7375.	12000.	4500.	11895833.333	3449.034	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-03/02/97	4	8.65	8.725	10.1	7.5	1.509	1.228	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-03/02/97	4	88.5	88.25	104.	72.	170.917	13.074	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/24/96-03/02/97	4	7.7	7.875	9.2	6.9	0.949	0.974	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/24/96-03/02/97	4	7.655	7.37	9.2	6.9	1.29	1.136	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/96-03/02/97	4	0.022	0.043	0.126	0.001	0.003	0.057	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-03/02/97	4	14.	13.5	21.	5.	49.	7.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/96-03/02/97	3	0.1	0.11	0.22	0.01	0.011	0.105	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	625.	625.	920.	330.	174050.	417.193	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	2.741	2.741	2.964	2.519	0.099	0.315	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			550.999								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	186.5	186.5	350.	23.	53464.5	231.224	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	1.953	1.953	2.544	1.362	0.699	0.836	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			89.722								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-03/02/97	4	14.65	17.425	37.	3.4	214.763	14.655	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0252

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				2	0	0.00	2	0	0.00			
00406	PH, FIELD	Marine Chronic	8.5	4	1	0.25				2	1	0.50	2	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00				2	0	0.00	2	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00				2	0	0.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	1	0.50				2	1	0.50						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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: GOGA0253

NPS Station ID: GOGA0253 LAT/LON: 37.831636/-122.529511 Agency: 11NPSWRD Date Created: 07/11/98
Location: RODEO LAGOON AT THE STOP SIGN FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UCD_RLSS
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO LAGOON AT THE STOP SIGN. SAMPLES FOR THIS SITE WERE TAKEN ONCE IN FEBRUARY; TWICE IN MARCH; THREE TIMES IN APRIL; AND TWICE IN BOTH MAY AND JUNE; 1986. THE RESULTS ARE IN "TECHNICAL REPORT NO. 29 ASSESSMENT OF AN OIL SPILL ON SELECTED FISHES IN RODEO LAGOON AND MUIR BEACH" BY JOHNSON C.S. WANG AND THOMAS P. KEEGAN (UNIVERSITY OF CALIFORNIA AT DAVIS; MARCH 1988). FIGURE 1 ON PAGE 7 OF THE REPORT SHOWS THE EXACT STATION LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0253

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	10	16.5	16.82	20.5	15.2	2.491	1.578	15.23	15.5	17.625	20.25
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	10	11.	10.8	12.5	8.5	1.289	1.135	8.65	10.	11.625	12.45
00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	10 ##	1.75	1.85	4.5	0.	1.558	1.248	0.1	1.	2.5	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

EPA Water Quality Criteria Analysis for Station: GOGA0253

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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	Other-Lo Lim.	4.	10	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

Station Inventory for Station: GOGA0254

NPS Station ID: GOGA0254
LAT/LON: 37.831664/-122.478341
Agency: 11EPAMW
Date Created: 07/28/78
Location: N SAN FRANCISCO
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 7409 /NSF9
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: PACIFIC OCEAN
Elevation: 0
Water Body Id:
Minor Basin: PACIFIC OCEAN
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 23.090
Distance from RF1: 7.00
On/Off RF1: OFF
RF3 Index: 18050002017300.00
RF3 Mile Point: 6.03
Distance from RF3: 0.37
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0254

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: GOGA0255

NPS Station ID: GOGA0255 LAT/LON: 37.831772/-122.525283 Agency: 11NPSWRD Date Created: 07/18/98
Location: RODEO LAGOON NEAR THE FRESH-WATER INLET FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_ICB96_RLS1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO LAGOON NEAR THE FRESH-WATER INLET ON THE EAST SIDE OF THE LAGOON AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED ON 14 AUGUST 1996 AND 28 AUGUST 1996. THE RESULTS ARE IN "CHARACTERIZATION OF PHYTOPLANKTON IN RODEO LAGOON AND RODEO LAKE; GGNRA; DURING AUGUST 1996" BY C.M. CODEMO; M. PODLECH; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; 4 SEPTEMBER 1996). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250 FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0255

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/96-08/28/96	4	16.8	16.8	17.9	15.7	0.807	0.898	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/96-08/28/96	4	3.75	3.575	5.9	0.9	5.089	2.256	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	08/14/96-08/28/96	4	3.	2.875	3.5	2.	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: GOGA0255

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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	Other-Lo Lim.	4.	4	2	0.50	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: GOGA0256

NPS Station ID: GOGA0256 | LAT/LON: 37.831581/-122.535978 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: RODEO LAGOON AT THE WOODEN BRIDGE | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): GOGA_UCD_RLWB
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO LAGOON AT THE WOODEN BRIDGE. SAMPLES FOR THIS SITE WERE TAKEN ONCE IN FEBRUARY; TWICE IN MARCH; THREE TIMES IN APRIL; AND TWICE IN BOTH MAY AND JUNE; 1986. THE RESULTS ARE IN "TECHNICAL REPORT NO. 29 ASSESSMENT OF AN OIL SPILL ON SELECTED FISHES IN RODEO LAGOON AND MUIR BEACH" BY JOHNSON C.S. WANG AND THOMAS P. KEEGAN (UNIVERSITY OF CALIFORNIA AT DAVIS; MARCH 1988). FIGURE 1 ON PAGE 7 OF THE REPORT SHOWS THE EXACT STATION LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	10	16.25	16.53	20.5	14.8	2.653	1.629	14.82	15.375	17.125	20.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	10	10.	9.8	11.	8.5	0.567	0.753	8.55	9.	10.125	10.95
00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	10 ##	1.75	1.95	4.5	1.	1.247	1.117	1.	1.	2.5	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

EPA Water Quality Criteria Analysis for Station: GOGA0256

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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	Other-Lo Lim.	4.	10	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

Station Inventory for Station: GOGA0257

NPS Station ID: GOGA0257 | LAT/LON: 37.831745/-122.525340 | Agency: 11NPSWRD | Date Created: 07/18/98
Location: RODEO LAGOON NEAR FRESH-WATER INLET | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): GOGA_ICB93_RLS1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO LAGOON NEAR THE FRESH-WATER INLET AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 24 JUNE 199 THROUGH 5 AUGUST 1993 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "SOME PHYSICAL; CHEMICAL; AND BIOLOGICAL CHARACTERISTICS OF RODEO LAGOON; RODEO LAKE; AND RODEO CREEK-INITIAL STUDY SUMMER 1993" BY M. PODLECH; C.M. CODEMO; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; NOVEMBER 1993). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0257

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-08/05/93	4	23.25	22.975	25.8	19.6	6.789	2.606	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/24/93-08/05/93	4	19.75	18.775	20.3	15.3	5.476	2.34	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-08/05/93	4	2975.	3362.5	5000.	2500.	1292291.667	1136.79	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/93-08/05/93	4	11.75	11.05	13.1	7.6	5.71	2.39	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/24/93-08/05/93	4	130.	120.	137.	83.	620.	24.9	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/24/93-08/05/93	4	8.85	8.85	9.3	8.4	0.177	0.42	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/24/93-08/05/93	4	8.782	8.711	9.3	8.4	0.203	0.45	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-08/05/93	4	0.002	0.002	0.004	0.001	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-08/05/93	4	108.	111.	137.	91.	407.333	20.183	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	07/08/93-08/05/93	3	2.8	2.867	4.3	1.5	1.963	1.401	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-08/05/93	3	0.1	0.097	0.18	0.01	0.007	0.085	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/93-08/05/93	4	0.1	0.123	0.2	0.09	0.003	0.052	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/24/93-08/05/93	4	0.35	0.31	0.38	0.16	0.011	0.104	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/08/93-08/05/93	2	84.5	84.5	88.	81.	24.5	4.95	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-08/05/93	4	91.	96.5	136.	68.	1003.667	31.681	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	240.	240.	240.	240.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	2.38	2.38	2.38	2.38	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			240.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	1.903	1.903	1.903	1.903	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			80.								
47501	WEATHER AT TIME OF SAMPLING	06/24/93-08/05/93	4	1.	1.75	4.	1.	2.25	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

Parameter Inventory for Station: GOGA0257

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/93-08/05/93	4	56.8	104.8	289.	16.6	16366.487	127.932	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0257

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
00406	PH, FIELD	Marine Chronic	8.5	4	3	0.75	4	3	0.75									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	4	2	0.50	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: GOGA0258

NPS Station ID: GOGA0258 | LAT/LON: 37.831637/-122.514148 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: RODEO STABLE DIRECT RUNOFF | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM/RUNOFF | STORET Station ID(s): GOGA_ICB97_02A
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS THE RUNOFF FROM RODEO STABLE APPROXIMATELY 1/2 MILE EAST OF RODEO LAGOON AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 24 OCTOBER 1996 THROUGH 25 JANUARY 1997 AND WERE ANALYZED FOR CHEMICAL AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0258

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/97-01/25/97	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/25/97-01/25/97	1	0.84	0.84	0.84	0.84	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/25/97-01/25/97	1	0.344	0.344	0.344	0.344	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/18/96-11/18/96	1	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/18/96-11/18/96	1	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2400.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/18/96-11/18/96	1	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/18/96-11/18/96	1	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0258

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	1	1.00				1	1	1.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	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: GOGA0259

NPS Station ID: GOGA0259 | LAT/LON: 37.832024/-122.525089 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: RODEO LAGOON AT THE ROAD BRIDGE | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY | STORET Station ID(s): GOGA_UCD_RLRB
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO LAGOON AT THE ROAD BRIDGE. SAMPLES FOR THIS SITE WERE TAKEN ONCE IN FEBRUARY; TWICE IN MARCH; THREE TIMES IN APRIL; AND TWICE IN BOTH MAY AND JUNE; 1986. THE RESULTS ARE IN "TECHNICAL REPORT NO. 29 ASSESSMENT OF AN OIL SPILL ON SELECTED FISHES IN RODEO LAGOON AND MUIR BEACH" BY JOHNSON C.S. WANG AND THOMAS P. KEEGAN (UNIVERSITY OF CALIFORNIA AT DAVIS; MARCH 1988). FIGURE 1 ON PAGE 7 OF THE REPORT SHOWS THE EXACT STATION LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0259

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	10	16.5	16.59	19.	14.8	1.499	1.224	14.85	15.675	17.5	18.85
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	10	10.	9.77	10.5	8.5	0.418	0.646	8.55	9.375	10.275	10.5
00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0259

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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	Other-Lo Lim.	4.	10	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

Station Inventory for Station: GOGA0260

NPS Station ID: GOGA0260 | LAT/LON: 37.831937/-122.523737 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: SOUTH SHORE OF RODEO LAKE | | FIPS State/County: 06041 CALIFORNIA/MARIN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): GOGA_UCD_RLAKE |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | | |
HUC: 18050005 | Depth of Water: 0 | Aquifer: | |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: | |
Minor Basin: SAN FRANCISCO BAY REGION | | ECO Region: | |
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1: |
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3: |

Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE SOUTH SHORE OF RODEO LAKE; A SMALL FRESHWATER LAKE IMMEDIATELY UPSTREAM FROM THE BRACKISH RODEO LAGOON. SAMPLES FOR THIS SITE WERE TAKEN ONCE IN FEBRUARY; TWICE IN MARCH; THREE TIMES IN APRIL; AND TWICE IN BOTH MAY AND JUNE; 1986. THE RESULTS ARE IN "TECHNICAL REPORT NO. 29 ASSESSMENT OF AN OIL SPILL ON SELECTED FISHES IN RODEO LAGOON AND MUIR BEACH" BY JOHNSON C.S. WANG AND THOMAS P. KEEGAN (UNIVERSITY OF CALIFORNIA AT DAVIS; MARCH 1988). FIGURE 1 ON PAGE 7 OF THE REPORT SHOWS THE EXACT STATION LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0260

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	10	16.15	16.03	19.5	14.	3.142	1.773	14.	14.375	16.875	19.35
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	10	9.	8.85	10.5	6.	1.558	1.248	6.2	8.375	9.625	10.45
00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0260

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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	Other-Lo Lim.	4.	10	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

Station Inventory for Station: GOGA0261

NPS Station ID: GOGA0261
LAT/LON: 37.831993/-122.524236
Agency: 11NPSWRD
Date Created: 07/18/98
Location: SOUTHERN SIDE OF RODEO LAKE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): GOGA_ICB96_RLF
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE SOUTHERN SIDE OF RODEO LAKE INSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED ON 14 AUGUST 1996. THE RESULTS ARE IN "CHARACTERIZATION OF PHYTOPLANKTON IN RODEO LAGOON AND RODEO LAKE; GGNRA; DURING AUGUST 1996" BY C.M. CODEMO; M. PODLECH; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; 4 SEPTEMBER 1996). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250 FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0261

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/96-08/14/96	2	16.2	16.2	16.2	16.2	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/96-08/14/96	2	0.75	0.75	0.8	0.7	0.005	0.071	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	08/14/96-08/14/96	2 ##	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: GOGA0261

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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	Other-Lo Lim.	4.	2	2	1.00	2	2	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: GOGA0262

NPS Station ID: GOGA0262
LAT/LON: 37.832138/-122.524429
Agency: 11NPSWRD
Date Created: 07/18/98
Location: SOUTH SIDE OF RODEO LAKE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): GOGA_ICB93_RLF
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE SOUTH SIDE OF RODEO LAKE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 8 JULY 1993 THROUGH 5 AUGUST 1993 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "SOME PHYSICAL; CHEMICAL; AND BIOLOGICAL CHARACTERISTICS OF RODEO LAGOON; RODEO LAKE; AND RODEO CREEK-INITIAL STUDY SUMMER 1993" BY M. PODLECH; C.M. CODEMO; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; NOVEMBER 1993). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0262

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/93-08/05/93	3	22.3	21.867	22.9	20.4	1.703	1.305	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/08/93-08/05/93	3	20.7	18.933	20.9	15.2	10.463	3.235	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/08/93-08/05/93	3	245.	245.	265.	225.	400.	20.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/08/93-08/05/93	3	7.2	9.3	16.2	4.5	37.53	6.126	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/08/93-08/05/93	3	190.	166.	265.	43.	12753.	112.929	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/08/93-08/05/93	3	8.	8.067	8.2	8.	0.013	0.115	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/08/93-08/05/93	3	8.	8.057	8.2	8.	0.013	0.116	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/93-08/05/93	3	0.01	0.009	0.01	0.006	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/08/93-08/05/93	3	67.	68.667	72.	67.	8.333	2.887	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-08/05/93	3 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/93-08/05/93	3	0.08	0.067	0.08	0.04	0.001	0.023	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/08/93-08/05/93	3	0.04	0.037	0.05	0.02	0.	0.015	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/14/93-07/14/93	1	10.9	10.9	10.9	10.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/14/93-07/14/93	1	10.3	10.3	10.3	10.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/14/93-07/14/93	1	26.85	26.85	26.85	26.85	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/14/93-07/14/93	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/08/93-08/05/93	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/08/93-08/05/93	3	7.	8.	11.	6.	7.	2.646	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/14/93-07/14/93	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/14/93-07/14/93	1	102.	102.	102.	102.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/14/93-07/14/93	1	128.	128.	128.	128.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/14/93-07/14/93	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: GOGA0262

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/14/93-07/14/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	07/14/93-07/14/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/14/93-07/14/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/14/93-07/14/93	1	6367.	6367.	6367.	6367.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/14/93-07/14/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/14/93-07/14/93	1	1591.	1591.	1591.	1591.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/14/93-07/14/93	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/14/93-07/14/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	07/14/93-07/14/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/14/93-07/14/93	1	92.	92.	92.	92.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	07/14/93-07/14/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/14/93-07/14/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/14/93-07/14/93	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/14/93-07/14/93	1	4889.	4889.	4889.	4889.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/14/93-07/14/93	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/14/93-07/14/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	500.	500.	500.	500.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	2.699	2.699	2.699	2.699	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			500.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.								
47501	WEATHER AT TIME OF SAMPLING	07/08/93-08/05/93	3	1.	2.	4.	1.	3.	1.732	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/14/93-07/14/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/08/93-08/05/93	3	39.3	46.2	94.1	5.2	2011.51	44.85	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0262

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	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.	3	0	0.00	3	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									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	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									
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									
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									
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									
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									
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									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00	1	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									

& - 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: GOGA0262

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	3	1	0.33	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: GOGA0263

NPS Station ID: GOGA0263
LAT/LON: 37.832219/-122.513315
Agency: 11NPSWRD
Date Created: 07/11/98
Location: RODEO CREEK UPSTREAM OF STABLES
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GOGA_ICB97_02
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO CREEK UPSTREAM OF THE STABLES APPROXIMATELY 1/2 MILE EAST OF RODEO LAGOON AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED ON 24 OCTOBER; 18 NOVEMBER; AND 21 NOVEMBER 1996 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0263

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-03/02/97	4	11.75	11.55	12.9	9.8	1.657	1.287	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/24/96-03/02/97	4	3.	23.025	86.	0.1	1765.136	42.014	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-03/02/97	4	157.5	147.5	185.	90.	1975.	44.441	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-03/02/97	4	9.25	9.125	10.8	7.2	2.556	1.599	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-03/02/97	4	89.5	85.	95.	66.	187.333	13.687	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/24/96-03/02/97	4	6.9	6.95	7.5	6.5	0.277	0.526	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/24/96-03/02/97	4	6.737	6.748	7.5	6.5	0.331	0.575	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/96-03/02/97	4	0.183	0.179	0.316	0.032	0.025	0.159	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-03/02/97	4	20.	37.25	104.	5.	2054.25	45.324	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/96-03/02/97	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	1470.	1470.	2400.	540.	1729800.	1315.219	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	3.056	3.056	3.38	2.732	0.21	0.458	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1138.42								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	1224.5	1224.5	2400.	49.	2763600.5	1662.408	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	2.535	2.535	3.38	1.69	1.428	1.195	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			342.929								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-03/02/97	4	39.45	75.275	209.	13.2	8137.849	90.21	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0263

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				2	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	2	0.50				2	0	0.00	2	2	1.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	1	0.50				2	1	0.50						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	1	0.50				2	1	0.50						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	4	1	0.25				2	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: GOGA0264

NPS Station ID: GOGA0264 LAT/LON: 37.833166/-122.511172 Agency: 11NPSWRD Date Created: 07/18/98
Location: RODEO CREEK UPSTREAM FROM HORSE STABLES FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB93_RCU
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO CREEK UPSTREAM FROM THE HORSE STABLES AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 24 JUNE 199 THROUGH 12 AUGUST 1993 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "SOME PHYSICAL; CHEMICAL; AND BIOLOGICAL CHARACTERISTICS OF RODEO LAGOON; RODEO LAKE; AND RODEO CREEK-INITIAL STUDY SUMMER 1993" BY M. PODLECH; C.M. CODEMO; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; NOVEMBER 1993). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-08/12/93	8	13.35	13.5	15.3	12.6	0.714	0.845	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/24/93-08/12/93	8	18.2	18.275	19.8	16.8	1.548	1.244	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/01/93-07/01/93	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-08/12/93	8	197.5	197.5	210.	190.	42.857	6.547	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/93-08/12/93	8	8.95	8.85	10.	7.5	0.526	0.725	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/24/93-08/12/93	8	84.5	84.25	90.	75.	23.643	4.862	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/24/93-08/12/93	8	7.65	7.813	8.5	7.6	0.118	0.344	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/24/93-08/12/93	8	7.647	7.727	8.5	7.6	0.127	0.356	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-08/12/93	8	0.023	0.019	0.025	0.003	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-08/05/93	4	69.5	67.5	71.	60.	25.667	5.066	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-08/05/93	3 ##	0.01	0.047	0.12	0.01	0.004	0.064	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/93-08/05/93	4	0.15	0.16	0.19	0.15	0.	0.02	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/24/93-08/05/93	4	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/93-08/05/93	3	4.	4.667	6.	4.	1.333	1.155	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-08/05/93	4	8.	8.	8.	8.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	300.	300.	300.	300.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	2.477	2.477	2.477	2.477	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			300.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	240.	240.	240.	240.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	2.38	2.38	2.38	2.38	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			240.								
47501	WEATHER AT TIME OF SAMPLING	06/24/93-08/12/93	8	1.	2.375	6.	1.	3.982	1.996	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/93-08/12/93	8	15.45	15.65	19.6	12.4	5.203	2.281	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0264

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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	Other-Lo Lim.	4.	8	0	0.00	8	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	8	0	0.00	8	0	0.00									
		Other-Lo Lim.	6.5	8	0	0.00	8	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	4	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.	4	0	0.00	4	0	0.00									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	8	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: GOGA0265

NPS Station ID: GOGA0265 LAT/LON: 37.833056/-122.521673 Agency: 11NPSWRD Date Created: 07/18/98
Location: GERBODE VALLEY CREEK NEAR SAUSALITO FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_USGS_GVC /11460110
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE SITE IS LOCATED AT GERBODE VALLEY CREEK; UPSTREAM OF FOOTBRIDGE; 400 FT. UPSTREAM FROM MOUTH AND 1.8 MILES SW OF SAUSALITO. THIS SITE IS LOCATED WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA). THE DATA ARE FROM A REPORT BY MARY ANN MADEJ; "ANALYSIS OF USGS WATER QUALITY DATA 1986-1988." THE REPORT CONTAINS ADDITIONAL DATA FOR USGS STATION 11460110 THAT WERE COLLECTED AND ANALYZED BUT NOT UPLOADED TO STORET BY THE USGS. AS INDICATED IN THE REPORT; SULFATE DATA WERE UPLOADED AS DISSOLVED; AND FECAL COLIFORM DATA ARE QUESTIONABLE DUE TO PROBLEMS WITH THE CULTURES. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620).
DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0265

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/86-06/08/88	5	12.5	12.9	15.	11.5	2.425	1.557	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/24/86-06/16/87	3	765.	763.333	765.	760.	8.333	2.887	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/86-06/08/88	5	0.5	1.68	7.	0.2	8.867	2.978	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/86-06/08/88	5	207.	205.2	219.	189.	115.2	10.733	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/86-06/08/88	5	9.3	9.18	9.9	8.5	0.377	0.614	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/29/86-06/08/88	6	86.5	86.667	91.	83.	9.067	3.011	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/86-06/08/88	5	7.8	7.7	7.9	7.2	0.085	0.292	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/86-06/08/88	5	7.8	7.605	7.9	7.2	0.096	0.31	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/86-06/08/88	5	0.016	0.025	0.063	0.013	0.	0.022	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/22/88-06/08/88	2	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/22/88-06/08/88	2	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/88-06/08/88	2	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/86-06/08/88	5	66.	61.4	81.	29.	375.3	19.373	**	**	**	**
00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	03/22/88-06/08/88	2	65.5	65.5	68.	63.	12.5	3.536	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/29/86-06/16/87	4	48.5	51.25	79.	29.	630.917	25.118	**	**	**	**
00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	03/22/88-06/08/88	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/29/86-06/08/88	6	78.	68.	96.	35.	641.2	25.322	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/86-06/08/88	5 ##	0.05	0.08	0.2	0.05	0.005	0.067	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/24/86-06/08/88	5 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0265

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/86-06/16/87	3	63.	59.333	73.	42.	250.333	15.822	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/86-06/16/87	3 ##	0.	4.333	13.	0.	56.333	7.506	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/86-06/08/88	5	11.	10.66	13.	7.3	4.778	2.186	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/86-06/08/88	5	8.6	8.18	9.8	5.7	2.307	1.519	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/86-06/08/88	5	18.	17.8	20.	16.	2.2	1.483	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/24/86-06/16/87	3	1.	0.967	1.	0.9	0.003	0.058	**	**	**	**
00932	SODIUM, PERCENT	06/24/86-06/16/87	3	38.	39.	44.	35.	21.	4.583	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/86-06/08/88	5	0.6	0.7	1.4	0.4	0.16	0.4	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/86-06/08/88	5	22.	22.4	26.	20.	6.8	2.608	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/86-06/08/88	5	11.	11.4	19.	7.	22.3	4.722	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/86-06/08/88	5	0.2	0.18	0.3	0.1	0.007	0.084	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/86-06/08/88	5	17.	16.4	18.	14.	2.3	1.517	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/86-06/08/88	5 ##	0.5	0.8	2.	0.5	0.45	0.671	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/24/86-06/08/88	5	30.	30.	40.	20.	50.	7.071	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/86-06/08/88	5 ##	5.	8.	20.	5.	45.	6.708	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/86-06/08/88	5	5.	8.6	30.	1.	146.3	12.095	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/24/86-06/08/88	5 ##	5.	11.	20.	5.	67.5	8.216	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/24/86-06/08/88	5	350.	275.8	440.	99.	26918.2	164.068	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/24/86-06/08/88	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/24/86-06/08/88	5	10.	12.	20.	5.	57.5	7.583	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	03/22/88-06/08/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/29/86-06/08/88	5	580.	1287.6	4300.	48.	3018808.8	1737.472	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/29/86-06/08/88	5	2.763	2.73	3.633	1.681	0.524	0.724	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			536.706								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/29/86-06/08/88	5	470.	1876.	5800.	350.	5472030.	2339.237	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/29/86-06/08/88	5	2.672	3.001	3.763	2.544	0.286	0.535	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1001.88								
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/86-06/24/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/86-06/24/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/86-06/24/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/24/86-06/24/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/86-06/08/88	5	129.	128.6	137.	123.	31.3	5.595	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/86-06/16/87	3	120.	123.333	140.	110.	233.333	15.275	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/29/86-06/16/87	4	0.175	0.17	0.19	0.14	0.	0.022	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/29/86-01/29/86	1	93.	93.	93.	93.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/24/86-06/08/88	5 ##	0.05	0.08	0.2	0.05	0.005	0.067	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/29/86-03/22/88	2	86.	86.	162.	10.	11552.	107.48	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/29/86-03/22/88	2	1.505	1.505	3.	0.01	4.47	2.114	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/24/86-06/24/86	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: GOGA0265

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	3	0	0.00				2	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00	3	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	5	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: GOGA0265

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	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.	5	0	0.00	3	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	5	0	0.00	3	0	0.00				2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	50.	5	0	0.00	3	0	0.00				2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	1	1.00							1	1	1.00			
		Drinking Water	5.	1 &	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	3	0	0.00				2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	2	0.40	3	0	0.00				2	2	1.00			
		Drinking Water	1300.	5	0	0.00	3	0	0.00				2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	5000.	5	0	0.00	3	0	0.00				2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	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			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	5	4	0.80	3	2	0.67				2	2	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	2.	5	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: GOGA0266

NPS Station ID: GOGA0266
LAT/LON: 37.833056/-122.521673
Agency: 112WRD
Date Created: 06/20/87
Location: GERBODE VALLEY CALIF
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 374959122311801
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 1.50
On/Off RF1:
RF3 Index: 18050002098400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0266

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/86-01/29/86	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	01/29/86-01/29/86	1	755.	755.	755.	755.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/29/86-01/29/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/86-01/29/86	1	157.	157.	157.	157.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/29/86-01/29/86	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/29/86-01/29/86	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/29/86-01/29/86	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/29/86-01/29/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/29/86-01/29/86	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/29/86-01/29/86	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/29/86-01/29/86	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/29/86-01/29/86	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/29/86-01/29/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/29/86-01/29/86	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/29/86-01/29/86	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/29/86-01/29/86	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/29/86-01/29/86	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/29/86-01/29/86	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/29/86-01/29/86	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	01/29/86-01/29/86	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	01/29/86-01/29/86	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/29/86-01/29/86	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/29/86-01/29/86	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/29/86-01/29/86	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/29/86-01/29/86	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/29/86-01/29/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/29/86-01/29/86	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/29/86-01/29/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/29/86-01/29/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/29/86-01/29/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/29/86-01/29/86	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/29/86-01/29/86	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/29/86-01/29/86	1	180.	180.	180.	180.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/29/86-01/29/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39055	SIMAZINE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	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

Parameter Inventory for Station: GOGA0266

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39056	PROMETONE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/29/86-01/29/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/29/86-01/29/86	1	102.	102.	102.	102.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/29/86-01/29/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/29/86-01/29/86	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: GOGA0266

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	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	Fresh Chronic	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	FLUORIDE, 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			
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	1	1.00							1	1	1.00			
		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.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00							1	1	1.00			
		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			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	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: GOGA0267

NPS Station ID: GOGA0267
LAT/LON: 37.833333/-122.371624
Agency: 1119REG9
Date Created: / /
Location: SF BAY AT N END OF TREASURE IS
FIPS State/County: 06001 CALIFORNIA/ALAMEDA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000042
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 7.20
On/Off RF1:
RF3 Index: 18050002017300.00
RF3 Mile Point: 6.03
Distance from RF3: 0.42
On/Off RF3:
Description:
EAST BAY MUNICIPAL UTILITY DISTRICT, SPECIAL DISTRICT NO. 1, ALAMEDA COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT THE NORTH END OF TREASURE ISLAND AT DAY MARK # 6. THE DATA IS FROM THE SELF MONITORING PROGRAM. THIS STATION IS LABELED 13 BY EAST BAY MUD.

Parameter Inventory for Station: GOGA0267

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: GOGA0268

NPS Station ID: GOGA0268
LAT/LON: 37.833330/-122.390010
Agency: 1119REG9
Date Created: / /
Location: SF BAY NW OF TREASURE ISLAND
FIPS State/County: 06001 CALIFORNIA/ALAMEDA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000043
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 23.20
On/Off RF1:
RF3 Index: 18050002017300.00
RF3 Mile Point: 2.37
Distance from RF3: 0.03
On/Off RF3:
Description:
EAST BAY MUNICIPAL UTILITY DISTRICT, SPECIAL DISTRICT NO. 1, ALAMEDA COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED NORTHWEST OF TREASURE ISLAND AT CAN BUOY # 2. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THIS STATION IS LABELED 14 BY EAST BAY MUD.

Parameter Inventory for Station: GOGA0268

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: GOGA0269

NPS Station ID: GOGA0269 LAT/LON: 37.833502/-122.520624 Agency: 11NPSWRD Date Created: 07/18/98
Location: RODEO CREEK 1000 FEET UPSTREAM OF RODEO LAKE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB93_RCN
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO CREEK APPROXIMATELY 1000 FEET UPSTREAM OF RODEO LAKE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED FROM 30 JULY 1993 THROUGH 12 AUGUST 1993 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "SOME PHYSICAL; CHEMICAL; AND BIOLOGICAL CHARACTERISTICS OF RODEO LAGOON; RODEO LAKE; AND RODEO CREEK-INITIAL STUDY SUMMER 1993" BY M. PODLECH; C.M. CODEMO; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; NOVEMBER 1993). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0269

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/93-08/12/93	3	14.1	14.5	15.9	13.5	1.56	1.249	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/93-08/12/93	3	17.1	17.3	19.2	15.6	3.27	1.808	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/93-08/12/93	3	160.	158.333	175.	140.	308.333	17.559	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/93-08/12/93	3	8.3	8.5	9.	8.2	0.19	0.436	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/30/93-08/12/93	3	82.	82.333	87.	78.	20.333	4.509	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/05/93-08/05/93	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/05/93-08/05/93	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/05/93-08/05/93	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/05/93-08/05/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/05/93-08/05/93	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/05/93-08/05/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/05/93-08/05/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/93-08/05/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
47501	WEATHER AT TIME OF SAMPLING	07/30/93-08/12/93	3	4.	3.667	6.	1.	6.333	2.517	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/30/93-08/12/93	3	8.3	8.433	8.8	8.2	0.103	0.321	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0269

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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: GOGA0270

NPS Station ID: GOGA0270 LAT/LON: 37.833634/-122.519839 Agency: 11NPSWRD Date Created: 07/18/98
Location: RODEO CREEK WHERE GERBODE CREEK ENTERS IT FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB93_RCL
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE RODEO CREEK-GERBODE CREEK CONFLUENCE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 24 JUNE 1993 THROUGH 22 JULY 1993 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "SOME PHYSICAL; CHEMICAL; AND BIOLOGICAL CHARACTERISTICS OF RODEO LAGOON; RODEO LAKE; AND RODEO CREEK-INITIAL STUDY SUMMER 1993" BY M. PODLECH; C.M. CODEMO; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; NOVEMBER 1993). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0270

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-07/22/93	5	13.7	13.8	14.6	13.2	0.265	0.515	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/24/93-07/22/93	5	19.7	19.5	21.9	16.2	4.245	2.06	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/01/93-07/01/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-07/22/93	5	162.	161.8	170.	155.	29.2	5.404	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/93-07/22/93	5	8.6	8.36	8.9	7.5	0.353	0.594	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/24/93-07/22/93	5	81.	79.	81.	74.	9.5	3.082	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/24/93-07/22/93	5	7.6	7.76	8.2	7.5	0.103	0.321	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/24/93-07/22/93	5	7.6	7.679	8.2	7.5	0.111	0.333	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-07/22/93	5	0.025	0.021	0.032	0.006	0.	0.012	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-07/22/93	3	55.	54.667	56.	53.	2.333	1.528	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-07/22/93	2 ##	0.03	0.03	0.05	0.01	0.001	0.028	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/93-07/22/93	3	0.1	0.1	0.12	0.08	0.	0.02	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/24/93-07/22/93	3	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/14/93-07/14/93	1	10.3	10.3	10.3	10.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/14/93-07/14/93	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/14/93-07/14/93	1	19.86	19.86	19.86	19.86	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/14/93-07/14/93	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/93-07/08/93	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-07/22/93	3	7.	6.333	7.	5.	1.333	1.155	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/14/93-07/14/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/14/93-07/14/93	1	57.	57.	57.	57.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/14/93-07/14/93	1	116.	116.	116.	116.	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: GOGA0270

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/14/93-07/14/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/14/93-07/14/93	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	07/14/93-07/14/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/14/93-07/14/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/14/93-07/14/93	1	584.	584.	584.	584.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/14/93-07/14/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/14/93-07/14/93	1	266.	266.	266.	266.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/14/93-07/14/93	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/14/93-07/14/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	07/14/93-07/14/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/14/93-07/14/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	07/14/93-07/14/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/14/93-07/14/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/14/93-07/14/93	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/14/93-07/14/93	1	9224.	9224.	9224.	9224.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/14/93-07/14/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/14/93-07/14/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	240.	240.	240.	240.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	2.38	2.38	2.38	2.38	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			240.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	1.903	1.903	1.903	1.903	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			80.								
47501	WEATHER AT TIME OF SAMPLING	06/24/93-07/22/93	5	1.	2.2	4.	1.	2.7	1.643	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/14/93-07/14/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/93-07/22/93	5	8.8	8.76	9.1	8.2	0.123	0.351	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0270

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	5	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	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.	3	0	0.00	3	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									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	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									
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									
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									
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									
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									
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									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	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

EPA Water Quality Criteria Analysis for Station: GOGA0270

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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: GOGA0271

NPS Station ID: GOGA0271 | LAT/LON: 37.833613/-122.519181 | Agency: 21CAL-1 | Date Created: 01/19/80
Location: RODEO LAGOON C AB LAG MARIN PENINS | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): E1810301 /2013003
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 15.50 | On/Off RF1:
RF3 Index: 18050005002301.79 | RF3 Mile Point: 3.09 | Distance from RF3: 0.04 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 15 ;
STATION NAME: RODEO LAGOON C AB LAG MARIN PENIN; DWR COUNTY CODE: 21; LATITUDE: 375001; LONGITUDE: 1223109;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01S, RANGE 06, SECTION 22DBASE M;
USGS QUADRANGLE NUMBER: . 467; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0271

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/06/54-01/06/54	1	51.8	51.8	51.8	51.8	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/06/54-01/06/54	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/06/54-01/06/54	1	298.	298.	298.	298.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/06/54-01/06/54	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/06/54-01/06/54	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/06/54-01/06/54	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/06/54-01/06/54	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/06/54-01/06/54	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/06/54-01/06/54	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/06/54-01/06/54	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/06/54-01/06/54	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/06/54-01/06/54	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/06/54-01/06/54	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/06/54-01/06/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/06/54-01/06/54	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/06/54-01/06/54	1	30.	30.	30.	30.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/06/54-01/06/54	1	69.	69.	69.	69.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/06/54-01/06/54	1	1.9	1.9	1.9	1.9	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: GOGA0271

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	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						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00950	FLUORIDE, 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: GOGA0272

NPS Station ID: GOGA0272 LAT/LON: 37.833719/-122.518646 Agency: 11NPSWRD Date Created: 07/18/98
Location: RODEO CREEK DOWNSTREAM FROM THE HORSE STABLES FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB93_RCM
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO CREEK DOWNSTREAM FROM THE HORSE STABLES AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 30 JULY 199 THROUGH 12 AUGUST 1993 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "SOME PHYSICAL; CHEMICAL; AND BIOLOGICAL CHARACTERISTICS OF RODEO LAGOON; RODEO LAKE; AND RODEO CREEK-INITIAL STUDY SUMMER 1993" BY M. PODLECH; C.M. CODEMO; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; NOVEMBER 1993). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0272

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/93-08/12/93	3	14.	14.3	15.4	13.5	0.97	0.985	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/93-08/12/93	3	17.1	17.7	19.6	16.4	2.83	1.682	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/93-08/12/93	3	210.	208.333	215.	200.	58.333	7.638	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/93-08/12/93	3	8.7	8.567	8.9	8.1	0.173	0.416	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/30/93-08/12/93	3	82.	83.	85.	82.	3.	1.732	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/30/93-08/12/93	3	7.6	7.567	7.6	7.5	0.003	0.058	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/30/93-08/12/93	3	7.6	7.564	7.6	7.5	0.003	0.058	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/93-08/12/93	3	0.025	0.027	0.032	0.025	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/05/93-08/05/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/05/93-08/05/93	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/05/93-08/05/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/05/93-08/05/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/93-08/05/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/04/93-08/04/93	1	240.	240.	240.	240.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/04/93-08/04/93	1	2.38	2.38	2.38	2.38	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			240.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/04/93-08/04/93	1	23.	23.	23.	23.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/04/93-08/04/93	1	1.362	1.362	1.362	1.362	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			23.								
47501	WEATHER AT TIME OF SAMPLING	07/30/93-08/12/93	3	4.	3.667	6.	1.	6.333	2.517	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/30/93-08/12/93	3	9.6	9.6	10.1	9.1	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

EPA Water Quality Criteria Analysis for Station: GOGA0272

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
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									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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: GOGA0273

NPS Station ID: GOGA0273 | LAT/LON: 37.833664/-122.516123 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: RODEO CREEK DOWNSTREAM OF STABLES | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_ICB97_03
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO CREEK DOWNSTREAM OF THE STABLES APPROXIMATELY 1/2 MILE EAST OF RODEO LAGOON AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 24 OCTOBER 1996 THROUGH 2 MARCH 1997 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0273

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-03/02/97	4	12.	11.75	13.3	9.7	2.27	1.507	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/24/96-03/02/97	4	1.85	20.95	80.	0.1	1551.297	39.387	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-03/02/97	4	150.	143.25	185.	88.	2228.917	47.211	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-03/02/97	4	9.	8.9	10.6	7.	2.28	1.51	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-03/02/97	4	84.5	81.75	93.	65.	160.917	12.685	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/24/96-03/02/97	4	7.3	7.15	7.4	6.6	0.137	0.37	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/24/96-03/02/97	4	7.3	7.01	7.4	6.6	0.163	0.404	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/96-03/02/97	4	0.05	0.098	0.251	0.04	0.01	0.102	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-03/02/97	4	29.5	40.25	95.	7.	1584.917	39.811	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/96-03/02/97	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	3	2400.	2133.333	2400.	1600.	213333.333	461.88	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	3	3.38	3.322	3.38	3.204	0.01	0.102	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2096.593								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	3	1600.	1513.333	2400.	540.	870533.333	933.024	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	3	3.204	3.106	3.38	2.732	0.112	0.335	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1275.19								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-03/02/97	4	52.15	63.45	141.	8.5	3726.67	61.046	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0273

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				2	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	3	3	1.00				3	3	1.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	3	3	1.00				3	3	1.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	4	2	0.50				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: GOGA0274

NPS Station ID: GOGA0274 LAT/LON: 37.834166/-122.396401 Agency: 21CAL-82 Date Created: 02/15/86
Location: N SF BAY 600 YDS NW OF LIGHT R"2" NEAR TREAS.ISL FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): RSAC007 /MWT204
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 39 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002017200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.44 On/Off RF3:
Description:
LOCATION-N SF BAY-600 YDS NW OF R"2" LIGHT NW OF TREASURE ISLAND HISTORY-ESTABLISHED 1968 FOR MONITORING YOUNG STRIPED BASS FALL-WINTER ABUNDANCE. SAMPLING NOT DONE IN 1974,NOR SINCE 1978. DATA TYPES- EC, SECCHI,TEMPERATURE,(STATION DEPTH, BOAT SPEED,TIME OF TOW (FOR SOME RECENT YEARS)),NUMBER OF FISH CAUGHT BY SPECIES. SAMPLING TECHNIQUES- 12FTX12FT MIDWATER TRAWL WITH VARIABLE MESH. OBLIQUE TOWS FOR 12 MINUTES. SAMPLING DONE WITHOUT RESPECT TO TIDAL STAGE OR DIRECTION OF FLOW. FOR TECHNICAL DETAILS CONTACT CALIF FISH AND GAME 209-466-4421

Parameter Inventory for Station: GOGA0274

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-02/07/79	38	58.25	57.261	63.9	47.4	20.713	4.551	49.89	54.075	60.825	63.
00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-02/07/79	38	1.	1.299	2.5	0.48	0.283	0.532	0.778	0.99	1.71	2.12
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-02/07/79	38	39672.5	38924.947	49725.	9070.	63812945.889	7988.301	28935.	35096.	45154.75	47971.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/11/78-02/07/79	5	25.	25.	30.	20.	12.5	3.536	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0275

NPS Station ID: GOGA0275 LAT/LON: 37.834998/-122.440839 Agency: 21CAL-84 Date Created: 02/15/86
Location: SAN FRANCISCO BAY NEAR HARDING ROCK FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): RSAC003 /213
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 20.20 On/Off RF1:
RF3 Index: 18050002016700.00 RF3 Mile Point: 2.72 Distance from RF3: 0.54 On/Off RF3:
Description:
LOCATION-SAN FRANCISCO BAY NEAR HARDING ROCK APPROX 2.5KM NORTH WEST OF ALCATRAZ ISLAND.
HISTORY-ESTABLISHED JAN 1980 FOR MONITORING FISH AND CRUSTACEANS IN SF BAY AND THE WEST DELTA. SAMPLED MONTHLY 1980 TO PRESENT (CURRENT).
DATA TYPES-WATER TEMPERATURE AND EC, TIDE STAGE AND DIRECTION, STATION DEPTH, START AND FINISH LAT & LON OF TOW, BEARING OF TOW, DISTANCE OF TOW, NET TYPE, NUMBER OF FISH AND INVERTEBRATES BY SPECIES WITH SIZE FREQUENCY.
SAMPLING TECHNIQUES-EACH STATION IS TOWED WITH A 3M X 3M MIDWATER TRAWL, A 1M X 3M OTTER TRAWL AND A .5M DIA 505 MICRON EGG AND LARUAL NET.
TOWS ARE 5 AND 6 MINUTE DURATION AND TAKEN WITHOUT RESPECT TO TIDE STAGE OR DIRECTION. MIDWATER TRAWLS AND E & L TOWS ARE OBLIQUE.
FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH & GAME (209) 466-4421.

Parameter Inventory for Station: GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	770	13.5	13.748	20.1	9.2	3.81	1.952	11.4	12.3	15.2	16.59
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	89	1.32	1.364	2.7	0.4	0.247	0.497	0.7	1.	1.725	2.02
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	770	46200.	44844.643	52400.	11300.	38069439.824	6170.044	37300.	41775.	49600.	51000.

** - Less than 9 observations ## - 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 1980 - Station GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	9	13.5	13.444	15.2	11.	2.808	1.676	11.	11.7	15.05	15.2
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	9	1.35	1.411	1.8	0.85	0.12	0.346	0.85	1.125	1.775	1.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	9	40052.	39843.667	46332.	33750.	13185733.75	3631.217	33750.	37281.5	41841.	46332.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	97	13.8	13.861	16.7	12.3	1.088	1.043	12.5	13.	14.9	15.1
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.4	1.625	2.7	0.95	0.343	0.586	0.98	1.175	1.975	2.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	97	49800.	47528.247	52200.	33700.	23376102.105	4834.884	41620.	45650.	50365.	51300.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	44	12.55	13.186	19.	9.2	2.838	1.685	11.9	12.125	14.175	15.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	9	1.5	1.478	2.1	1.	0.193	0.439	1.	1.025	1.9	2.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	44	39900.	38271.159	47011.	11300.	48301798.183	6949.95	27000.	36225.	43350.	44350.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	102	14.05	14.704	20.1	10.9	4.538	2.13	12.33	13.2	16.1	17.84
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	11	1.03	1.191	2.3	0.58	0.284	0.533	0.592	0.75	1.5	2.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	102	44000.	40716.078	49200.	18860.	67492055.756	8215.355	28060.	36075.	47000.	48000.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	129	12.6	13.774	17.2	10.4	3.301	1.817	12.1	12.3	15.8	16.5
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.35	1.425	2.1	0.8	0.155	0.393	0.86	1.125	1.7	2.07
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	129	45300.	44683.845	52000.	16955.	33770551.804	5811.244	37800.	42300.	48850.	51100.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	139	11.6	12.843	17.5	10.2	5.182	2.276	10.2	10.9	15.4	15.5
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.55	1.481	2.02	0.6	0.231	0.481	0.6	1.305	1.898	2.014
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	139	49200.	47703.597	52200.	40700.	12817595.663	3580.167	40900.	45500.	50100.	51000.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	126	13.8	13.779	17.	10.8	3.63	1.905	11.7	12.3	15.325	16.7
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.05	1.183	2.2	0.4	0.355	0.596	0.475	0.712	1.825	2.14
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	126	43150.	43027.778	49300.	21900.	20669862.222	4546.412	37200.	40350.	46600.	48520.

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

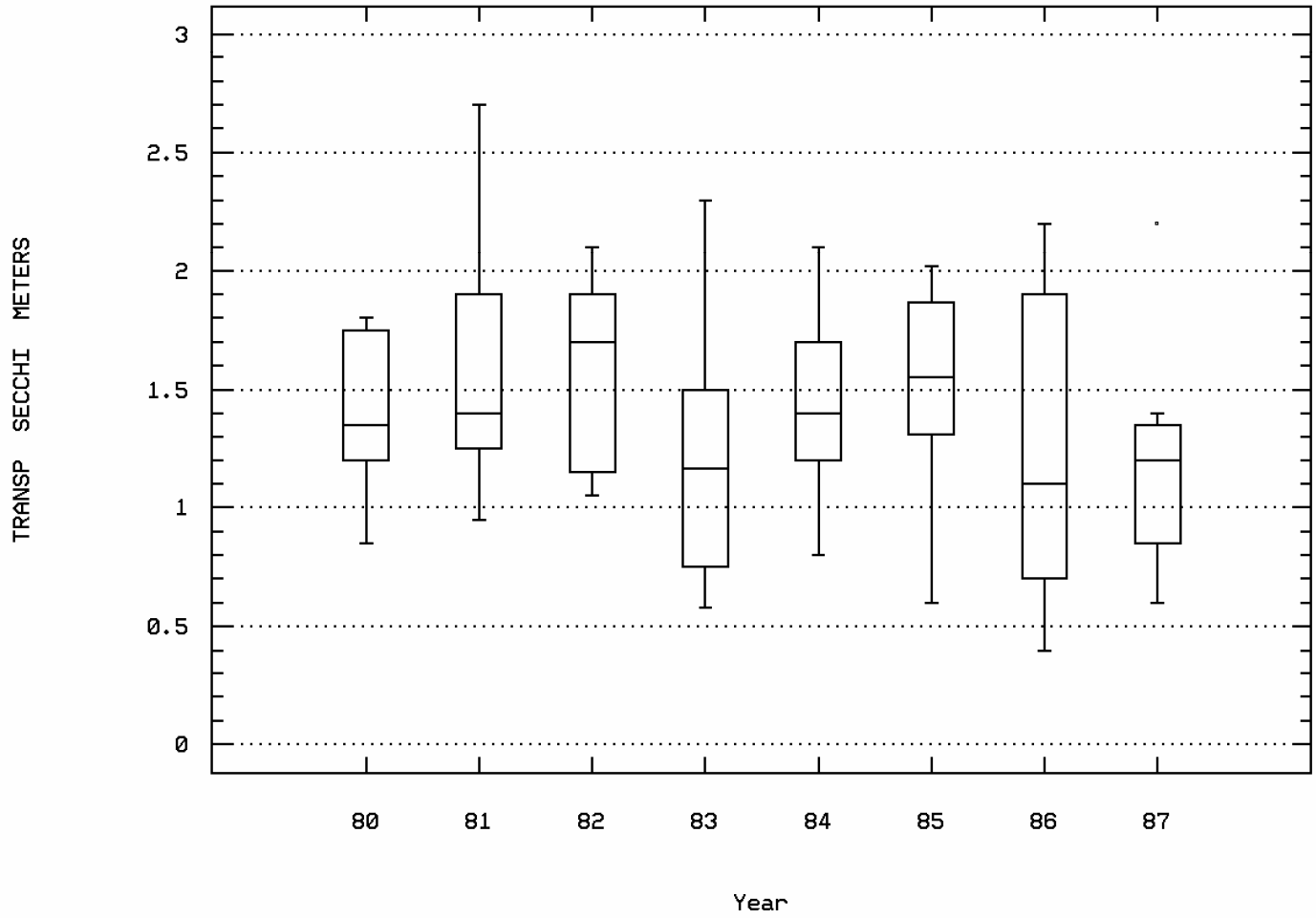
Annual Analysis for 1987 - Station GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	124	14.8	14.052	17.4	11.5	3.227	1.796	11.8	12.025	15.175	16.75
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.15	1.142	2.2	0.6	0.183	0.428	0.6	0.863	1.338	1.96
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	124	48984.	47645.605	52400.	37300.	18416241.282	4291.415	41938.	45000.	51100.	51950.

** - Less than 9 observations ## - Computed 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: GOGA0275 Parameter Code: 00078

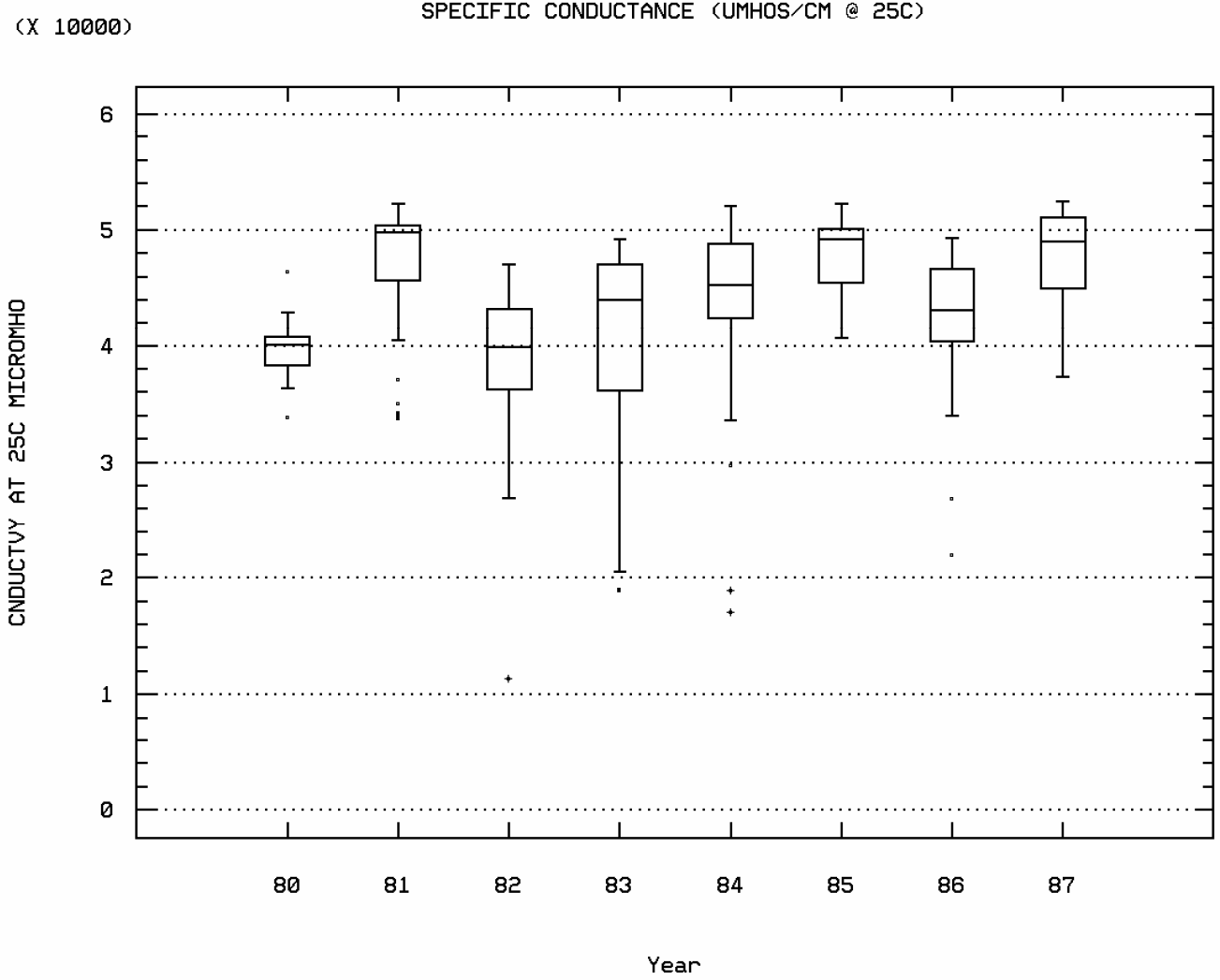
TRANSPARENCY, SECCHI DISC (METERS)



SAN FRANCISCO BAY NEAR HARDING ROCK

Station: GOGA0275 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SAN FRANCISCO BAY NEAR HARDING ROCK

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	328	15.4	15.51	20.1	13.4	1.455	1.206	13.9	14.8	16.375	17.3
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	39	1.5	1.454	2.7	0.4	0.288	0.536	0.75	1.	1.8	2.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	328	49100.	47182.579	52400.	33000.	21287984.972	4613.89	39300.	45325.	50700.	51400.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	186	12.65	12.796	19.	9.2	2.093	1.447	10.9	11.7	13.6	14.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	18	1.4	1.463	2.7	0.6	0.247	0.497	0.96	1.1	1.75	2.16
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	186	45450.	45221.457	52200.	16955.	29974220.163	5474.872	37746.	43475.	49300.	51400.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	256	12.3	12.184	14.9	10.2	0.997	0.998	10.7	11.6	12.675	13.3
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	32	1.25	1.198	2.2	0.58	0.169	0.412	0.643	0.875	1.4	1.88
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	256	42800.	41575.383	50400.	11300.	47896522.716	6920.731	32670.	39475.	46400.	48330.

** - Less than 9 observations ## - Computed 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: GOGA0276

NPS Station ID: GOGA0276 LAT/LON: 37.835946/-122.516563 Agency: 11NPSWRD Date Created: 07/18/98
Location: GERBODE CREEK 1000 FT UPSTREAM FROM RODEO CREEK FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB93_GBC
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT GERBODE CREEK APPROXIMATELY 1000 FEET UPSTREAM FROM RODEO CREEK AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED FROM 2 JULY 1993 THROUGH 12 AUGUST 1993 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "SOME PHYSICAL; CHEMICAL; AND BIOLOGICAL CHARACTERISTICS OF RODEO LAGOON; RODEO LAKE; AND RODEO CREEK-INITIAL STUDY SUMMER 1993" BY M. PODLECH; C.M. CODEMO; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; NOVEMBER 1993). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0276

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/93-08/12/93	7	14.3	14.386	16.	13.7	0.638	0.799	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/02/93-08/12/93	7	19.6	21.4	28.7	18.3	13.773	3.711	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/02/93-07/02/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/02/93-08/12/93	7	140.	138.286	150.	125.	72.238	8.499	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/02/93-08/12/93	7	8.9	8.914	9.7	8.3	0.248	0.498	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/02/93-08/12/93	7	87.	87.286	93.	82.	12.571	3.546	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/02/93-08/12/93	7	7.6	7.657	8.	7.4	0.04	0.199	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/02/93-08/12/93	7	7.6	7.621	8.	7.4	0.041	0.203	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/93-08/12/93	7	0.025	0.024	0.04	0.01	0.	0.01	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/08/93-08/05/93	3	43.	44.333	47.	43.	5.333	2.309	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/93-08/05/93	3 ##	0.01	0.017	0.03	0.01	0.	0.012	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/93-08/05/93	3	0.08	0.087	0.11	0.07	0.	0.021	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/08/93-08/05/93	3	0.03	0.027	0.03	0.02	0.	0.006	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/14/93-07/14/93	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/14/93-07/14/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/14/93-07/14/93	1	18.25	18.25	18.25	18.25	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/14/93-07/14/93	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/08/93-08/05/93	2	5.5	5.5	8.	3.	12.5	3.536	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/08/93-08/05/93	3	7.	9.	13.	7.	12.	3.464	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/14/93-07/14/93	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/14/93-07/14/93	1	55.	55.	55.	55.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/14/93-07/14/93	1	98.	98.	98.	98.	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: GOGA0276

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/14/93-07/14/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/14/93-07/14/93	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	07/14/93-07/14/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/14/93-07/14/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/14/93-07/14/93	1	1089.	1089.	1089.	1089.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/14/93-07/14/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/14/93-07/14/93	1	149.	149.	149.	149.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/14/93-07/14/93	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/14/93-07/14/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	07/14/93-07/14/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/14/93-07/14/93	1	92.	92.	92.	92.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	07/14/93-07/14/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/14/93-07/14/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/14/93-07/14/93	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/14/93-07/14/93	1	8381.	8381.	8381.	8381.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/14/93-07/14/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/14/93-07/14/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	900.	900.	900.	900.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/16/93-07/16/93	1	2.954	2.954	2.954	2.954	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			900.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	130.	130.	130.	130.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/16/93-07/16/93	1	2.114	2.114	2.114	2.114	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			130.								
47501	WEATHER AT TIME OF SAMPLING	07/02/93-08/12/93	7	1.	2.571	6.	1.	4.286	2.07	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/14/93-07/14/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/02/93-08/12/93	7	7.2	7.3	8.3	6.8	0.233	0.483	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0276

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	7	0	0.00	7	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	7	0	0.00	7	0	0.00									
		Other-Lo Lim.	6.5	7	0	0.00	7	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	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.	3	0	0.00	3	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									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	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									
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									
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									
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									
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									
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									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	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

EPA Water Quality Criteria Analysis for Station: GOGA0276

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	7	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

Station Inventory for Station: GOGA0277

NPS Station ID: GOGA0277
LAT/LON: 37.837002/-122.470849
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000172
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.490
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.34
Distance from RF3: 0.13
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL SEDIMENT STATION. THE STATION HAS THE SAME LOCATION AS C-5 WHICH IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED 1000 FEET SOUTHERLY FROM THE POINT OF DISCHARGE. THIS STATION IS LABELED B-5. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0277

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: GOGA0278

NPS Station ID: GOGA0278
LAT/LON: 37.837002/-122.470849
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000162
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.490
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.34
Distance from RF3: 0.13
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED 1000 FEET SOUTHERLY FROM THE POINT OF DIS- CHARGE WHICH IS STATION E-1. THIS STATION IS LABELED C-5. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0278

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: GOGA0279

NPS Station ID: GOGA0279
Location: MID-SAN FRAN BAY BUOY HR
Station Type: /TYPA/AMBNT/OCEAN
RMI-Indexes:
RMI-Miles:
HUC: 18050002
Major Basin: SAN FRANCISCO BAY
Minor Basin: SAN PABLO BAY
RF1 Index: 18050002
RF3 Index: 18050003030300.00
Description:

LAT/LON: 37.837500/-122.445843

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 1110DFID
FIPS State/County: 06000 CALIFORNIA/
STORET Station ID(s): 720225
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.09

Date Created: / /

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: GOGA0279

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0280

NPS Station ID: GOGA0280 LAT/LON: 37.837665/-122.500926 Agency: 11NPSWRD Date Created: 07/18/98
Location: RODEO CREEK BELOW SEEPAGE NEAR SEWAGE PUMP HOUSE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB93_PHL
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO CREEK NEAR THE SEWAGE PUMP HOUSE DOWNSTREAM FROM A SEEPAGE ENTERING THE CREEK AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 22 JULY 1993 THROUGH 12 AUGUST 1993 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "SOME PHYSICAL; CHEMICAL; AND BIOLOGICAL CHARACTERISTICS OF RODEO LAGOON; RODEO LAKE; AND RODEO CREEK-INITIAL STUDY SUMMER 1993" BY M. PODLECH; C.M. CODEMO; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; NOVEMBER 1993). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0280

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/93-08/12/93	4	15.75	15.625	16.4	14.6	0.763	0.873	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/93-08/12/93	4	21.1	21.075	24.	18.1	5.909	2.431	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/93-08/12/93	4	160.	160.	170.	150.	66.667	8.165	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/93-08/12/93	4	8.5	8.35	9.	7.4	0.457	0.676	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/93-08/12/93	4	83.5	83.5	88.	79.	15.	3.873	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/22/93-08/12/93	4	7.5	7.475	7.5	7.4	0.002	0.05	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/22/93-08/12/93	4	7.5	7.473	7.5	7.4	0.003	0.05	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/93-08/12/93	4	0.032	0.034	0.04	0.032	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/22/93-08/05/93	2	46.	46.	49.	43.	18.	4.243	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/93-08/05/93	2 ##	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/93-08/05/93	2	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/22/93-08/05/93	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/05/93-08/05/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/93-08/05/93	2	8.	8.	9.	7.	2.	1.414	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/04/93-08/04/93	1	220.	220.	220.	220.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/04/93-08/04/93	1	2.342	2.342	2.342	2.342	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			220.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/04/93-08/04/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/04/93-08/04/93	1	1.903	1.903	1.903	1.903	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: GOGA0280

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			80.								
47501	WEATHER AT TIME OF SAMPLING	07/22/93-08/12/93	4	1.	2.25	6.	1.	6.25	2.5	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/22/93-08/12/93	4	10.9	14.175	25.2	9.7	54.403	7.376	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0280

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
00406	PH, FIELD	Fresh Chronic	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.	2	0	0.00	2	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.	2	0	0.00	2	0	0.00									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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

Station Inventory for Station: GOGA0281

NPS Station ID: GOGA0281 LAT/LON: 37.838114/-122.500366 Agency: 11NPSWRD Date Created: 07/18/98
Location: RODEO CREEK ABOVE SEEPAGE NEAR SEWAGE PUMPHOUSE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB93_PHU
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT RODEO CREEK NEAR THE SEWAGE PUMP HOUSE UPSTREAM FROM A SEEPAGE THAT ENTERS THE CREEK AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 22 JULY 1993 THROUGH 12 AUGUST 1993 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "SOME PHYSICAL; CHEMICAL; AND BIOLOGICAL CHARACTERISTICS OF RODEO LAGOON; RODEO LAKE; AND RODEO CREEK-INITIAL STUDY SUMMER 1993" BY M. PODLECH; C.M. CODEMO; R.J. BROWN; AND W.P. JORDAN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; NOVEMBER 1993). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0281

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/93-08/12/93	4	14.85	15.15	16.4	14.5	0.763	0.874	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/93-08/12/93	4	21.1	21.075	24.	18.1	5.909	2.431	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/93-08/12/93	4	155.	155.	160.	150.	33.333	5.774	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/93-08/12/93	4	8.55	8.5	9.	7.9	0.207	0.455	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/93-08/12/93	4	84.5	83.75	88.	78.	25.583	5.058	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/22/93-08/12/93	4	7.45	7.45	7.6	7.3	0.017	0.129	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/22/93-08/12/93	4	7.447	7.436	7.6	7.3	0.017	0.13	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/93-08/12/93	4	0.036	0.037	0.05	0.025	0.	0.011	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/22/93-08/05/93	2	39.	39.	47.	31.	128.	11.314	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/93-08/05/93	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/93-08/05/93	2	0.11	0.11	0.12	0.1	0.	0.014	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/22/93-08/05/93	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/05/93-08/05/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/93-08/05/93	2	8.	8.	8.	8.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/04/93-08/04/93	1	500.	500.	500.	500.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/04/93-08/04/93	1	2.699	2.699	2.699	2.699	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			500.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/04/93-08/04/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/04/93-08/04/93	1	1.903	1.903	1.903	1.903	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: GOGA0281

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			80.								
47501	WEATHER AT TIME OF SAMPLING	07/22/93-08/12/93	4	1.	2.25	6.	1.	6.25	2.5	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/22/93-08/12/93	4	12.55	14.85	25.2	9.1	53.63	7.323	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0281

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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	Other-Lo Lim.	4.	4	0	0.00	4	0	0.00									
00406	PH, FIELD	Fresh Chronic	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.	2	0	0.00	2	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.	2	0	0.00	2	0	0.00									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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

Station Inventory for Station: GOGA0282

NPS Station ID: GOGA0282
LAT/LON: 37.839442/-122.470286
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000168
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003617.38
RF3 Mile Point: 21.30
Distance from RF3: 0.01
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANTIARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL SEDIMENT STATION. THIS STATION HAS THE SAME LOCATION AS C-1 WHICH IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED IN THE CENTER OF THE RISING PLUME AT THE POINT OF DISCHARGE. THIS STATION IS LABELED B-1. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0282

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: GOGA0283

NPS Station ID: GOGA0283
LAT/LON: 37.840328/-122.470791
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000160
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.34
Distance from RF3: 0.13
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED 100 FEET EASTERLY FROM THE GEOMETRIC CENTER OF THE DISCHARGE DIFFUSER. THIS STATION IS LABELED C-3. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0283

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: GOGA0284

NPS Station ID: GOGA0284
LAT/LON: 37.840328/-122.470791
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000170
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.34
Distance from RF3: 0.13
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL SEDIMENT STATION. THE STATION HAS THE SAME LOCATION AS C-3 WHICH IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED 100 FEET EASTERLY FROM THE GEOMETRIC CENTER OF THE DISCHARGE DIFUSSER. THIS STATION IS LABELED B-3. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0284

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: GOGA0285

NPS Station ID: GOGA0285
LAT/LON: 37.840301/-122.470848
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000159
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.34
Distance from RF3: 0.13
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED 100 FEET SOUTHERLY FROM THE GEOMETRIC CENTER OF THE DISCHARGE DIFFUSER. THIS STATION IS LABELED C-2. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0285

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: GOGA0286

NPS Station ID: GOGA0286
LAT/LON: 37.840301/-122.470848
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000169
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.36
Distance from RF3: 0.12
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL SEDIMENT STATION. THE STATION HAS THE SAME LOCATION AS C-2 WHICH IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED 100 FEET SOUTHERLY FROM THE GEOMETRIC CENTER OF THE DISCHARGE DIFFUSER. THIS STATION IS LABELED B-2. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0286

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: GOGA0287

NPS Station ID: GOGA0287
LAT/LON: 37.840328/-122.470848
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/TREATD/OUTFL/OCEAN
STORET Station ID(s): 6000150
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003603.47
RF3 Mile Point: 7.54
Distance from RF3: 0.03
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THE STATION IS LOCATED AT ANY POINT IN THE OUTFALL FROM THE TREATMENT FACILITIES BETWEEN THE POINT OF DISCHARGE AND THE POINT AT WHICH ALL WASTE TRIBUTARY TO THAT OUTFALL IS PRESENT. (MAY BE THE SAME LOCATION AS E-1-D.) THIS STATION IS LABELED E-1. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0287

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/72-12/10/72	11	18.	18.455	22.	15.	6.673	2.583	15.	16.	21.	22.
00300	OXYGEN, DISSOLVED MG/L	01/31/72-12/10/72	11	1.8	2.109	5.	0.6	1.671	1.293	0.68	1.	2.9	4.62
00400	PH (STANDARD UNITS)	01/31/72-12/10/72	10	6.75	6.76	6.9	6.7	0.005	0.07	6.7	6.7	6.8	6.89
00400	CONVERTED PH (STANDARD UNITS)	01/31/72-12/10/72	10	6.747	6.755	6.9	6.7	0.005	0.07	6.7	6.7	6.8	6.89
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/72-12/10/72	10	0.179	0.176	0.2	0.126	0.001	0.027	0.129	0.158	0.2	0.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/30/72-12/18/72	8	52.5	60.125	108.	43.	469.554	21.669	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	01/31/72-12/10/72	10	2.	1.7	3.	0.5	0.622	0.789	0.5	0.875	2.	2.9
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	01/30/72-12/18/72	8	32.	33.5	53.	15.	179.429	13.395	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	01/31/72-12/10/72	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00746	SULFIDE, DISSOLVED (MG/L AS S)	01/31/72-12/10/72	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/31/72-11/20/72	10	700.	3572.9	17000.	2.	38095827.656	6172.182	3.5	86.75	5725.	16600.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/31/72-11/20/72	10	2.845	2.606	4.23	0.301	1.532	1.238	0.394	1.839	3.667	4.219
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			404.11								
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	01/30/72-12/18/72	8	1.96	2.356	4.27	1.59	0.912	0.955	**	**	**	**
50051	FLOW, RATE, INSTANTANEOUS MGD	01/31/72-12/10/72	11	1.76	2.024	4.1	1.6	0.528	0.727	1.602	1.62	2.16	3.744
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	01/31/72-12/10/72	11	6.	7.545	11.5	3.5	8.973	2.995	3.7	5.5	11.	11.4
50084	BOD, PLANT EFFLUENT, 5 DAY, 20 DEG C MG/L	01/30/72-12/18/72	8	140.	127.875	233.	51.	3255.554	57.057	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0287

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	11	10	0.91	4	4	1.00	3	3	1.00	4	3	0.75			
00400	PH	Marine Chronic	8.5	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	10	3	0.30	4	2	0.50	2	0	0.00	4	1	0.25			

& - 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: GOGA0287

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
50060	CHLORINE, TOTAL RESIDUAL	Marine Acute	0.013	11	11	1.00	4	4	1.00	3	3	1.00	4	4	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: GOGA0288

NPS Station ID: GOGA0288
LAT/LON: 37.840335/-122.470291
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000156
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003617.38
RF3 Mile Point: 17.37
Distance from RF3: 0.05
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED IN THE CENTER OF THE RISING PLUME AT THE POINT OF DISCHARGE. THIS STATION IS LABELED C-1. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0288

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: GOGA0289

NPS Station ID: GOGA0289
LAT/LON: 37.840391/-122.470847
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000161
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.34
Distance from RF3: 0.15
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED 100 FEET NORTHERLY FROM THE GEOMETRIC CENTER OF THE DISCHARGE DIFFUSER. THIS STATION IS LABELED C-4. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0289

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: GOGA0290

NPS Station ID: GOGA0290
LAT/LON: 37.840391/-122.470847
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000171
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.34
Distance from RF3: 0.15
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL SEDIMENT STATION. THE STATION HAS THE SAME LOCATION AS C-4 WHICH IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED 100 FEET NORTHERLY FROM THE GEOMETRIC CENTER OF THE DISCHARGE DIFFUSER. THIS STATION IS LABELED B-4. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0290

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: GOGA0291

NPS Station ID: GOGA0291
LAT/LON: 37.840328/-122.470848
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000157
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.34
Distance from RF3: 0.16
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED ALONG THE DOWN CURRENT 100 FEET FROM THE CENTER OF THE WASTE DISCHARGE BOIL. THIS STATION IS LABELED C-1-D. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0291

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: GOGA0292

NPS Station ID: GOGA0292
LAT/LON: 37.840328/-122.470848
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000158
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.34
Distance from RF3: 0.13
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED ON THE UP CURRENT 100 FEET FROM THE CENTER OF THE WASTE DISCHARGE BOIL. THIS STATION IS LABELED C-1-U. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0292

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: GOGA0293

NPS Station ID: GOGA0293
LAT/LON: 37.840328/-122.470848
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/TREATD/OUTFL/OCEAN
STORET Station ID(s): 6000151
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.34
Distance from RF3: 0.13
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THE STATION IS LOCATED AT ANY POINT IN THE DISINFECTION FACILITIES FOR WASTE E-1, AT WHICH POINT ADEQUATE CONTACT WITH THE DISINFECTANT IS ASSURED. THIS STATION IS LABELED E-1-D. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0293

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: GOGA0294

NPS Station ID: GOGA0294
LAT/LON: 37.843663/-122.470846
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000173
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.43
Distance from RF3: 0.01
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL SEDIMENT STATION. THE STATION HAS THE SAME LOCATION AS C-6 WHICH IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED 1000 FEET NORTHERLY FROM THE POINT OF DISCHARGE. THIS STATION IS LABELED B-6. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0294

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: GOGA0295

NPS Station ID: GOGA0295
LAT/LON: 37.843663/-122.470846
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000163
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 22.240
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.43
Distance from RF3: 0.01
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED 1000 FEET NORTHERLY FROM THE POINT OF DIS- CHARGE WHICH IS STATION E-1. THIS STATION IS LABELED C-6. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0295

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: GOGA0296

NPS Station ID: GOGA0296 LAT/LON: 37.845277/-122.413893 Agency: 21CAL-84 Date Created: 02/15/86
Location: SAN FRANCISCO BAY 2.5KM NORTH OF TREASURE ISL FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): LSFA04 /211
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 13.00 On/Off RF1:
RF3 Index: 18050002017300.00 RF3 Mile Point: 7.17 Distance from RF3: 0.02 On/Off RF3:
Description:
LOCATION-SAN FRANCISCO BAY APPROX 2.5KM NORTH OF TREASURE ISLAND. HISTORY-ESTABLISHED JAN 1980 FOR MONITORING FISH AND CRUSTACEANS IN SF BAY AND THE WEST DELTA. SAMPLED MONTHLY 1980 TO PRESENT (CURRENT). DATA TYPES-WATER TEMPERATURE AND EC, TIDE STAGE AND DIRECTION, STATION DEPTH, START AND FINISH LAT & LON OF TOW, BEARING OF TOW, DISTANCE OF TOW, NET TYPE, NUMBER OF FISH AND INVERTEBRATES BY SPECIES WITH SIZE FREQUENCY. SAMPLING TECHNIQUES-EACH STATION IS TOWED WITH A 3M X 3M MIDWATER TRAWL, A 1M X 3M OTTER TRAWL AND A .5M DIA 505 MICRON EGG AND LARUAL NET. TOWS ARE 5 AND 6 MINUTE DURATION AND TAKEN WITHOUT RESPECT TO TIDE STAGE OR DIRECTION. MIDWATER TRAWLS AND E & L TOWS ARE OBLIQUE. FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH & GAME (209) 466-4421.

Parameter Inventory for Station: GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	471	14.2	14.085	19.1	8.3	5.554	2.357	10.8	12.1	16.2	16.98
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	95	1.	1.165	9.03	0.3	0.881	0.939	0.55	0.75	1.35	1.68
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	470	43300.	41221.568	51500.	7010.	69304938.071	8324.959	31027.4	37375.	47900.	49493.

** - Less than 9 observations ## - 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 1980 - Station GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	11	14.5	14.645	17.	10.5	3.607	1.899	11.02	13.8	16.4	16.9
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	11	1.	1.09	2.1	0.4	0.26	0.51	0.44	0.8	1.3	2.06
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	11	40131.	35843.	50100.	15563.	119596197.6	10936.005	16675.4	26773.	44763.	49220.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	49	13.7	13.81	17.6	10.8	3.037	1.743	10.8	12.8	14.55	16.5
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	1.1	1.21	2.4	0.55	0.25	0.5	0.61	0.84	1.55	2.16
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	49	46500.	44066.327	49630.	33000.	28013644.558	5292.792	33300.	41400.	48350.	49500.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	50	12.6	13.456	18.2	8.3	7.211	2.685	9.44	11.775	15.625	17.8
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	1.05	1.04	1.47	0.35	0.118	0.343	0.44	0.833	1.35	1.449
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	49	34900.	36045.143	44800.	7010.	45693343.5	6759.685	29800.	34550.	42200.	44000.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	74	14.75	14.911	19.1	10.8	4.629	2.152	12.	13.1	16.8	17.75
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	0.745	0.919	2.4	0.48	0.282	0.531	0.483	0.62	1.125	2.07
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	74	37950.	35138.649	47100.	10430.	90907165.272	9534.525	21100.	27250.	43800.	45550.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	85	12.8	13.767	17.6	10.2	5.12	2.263	11.16	12.1	16.4	16.8
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	1.4	1.425	2.5	0.5	0.268	0.517	0.62	1.125	1.75	2.32
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	85	44000.	41607.2	51100.	12848.	81215807.924	9011.981	29301.2	36650.	47950.	49501.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	74	14.2	13.601	18.3	9.8	8.354	2.89	10.15	10.5	16.425	17.05
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	1.2	1.188	2.13	0.6	0.176	0.42	0.63	0.825	1.443	1.941
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	74	48150.	46817.568	50300.	37600.	14631330.989	3825.092	38950.	47300.	49000.	49900.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	66	14.1	13.892	17.2	10.2	3.68	1.918	11.41	12.	15.7	16.32
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	0.925	0.954	1.6	0.3	0.186	0.431	0.33	0.6	1.325	1.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	66	42400.	39601.515	47900.	15000.	52180459.207	7223.604	24470.	37350.	43825.	45730.

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

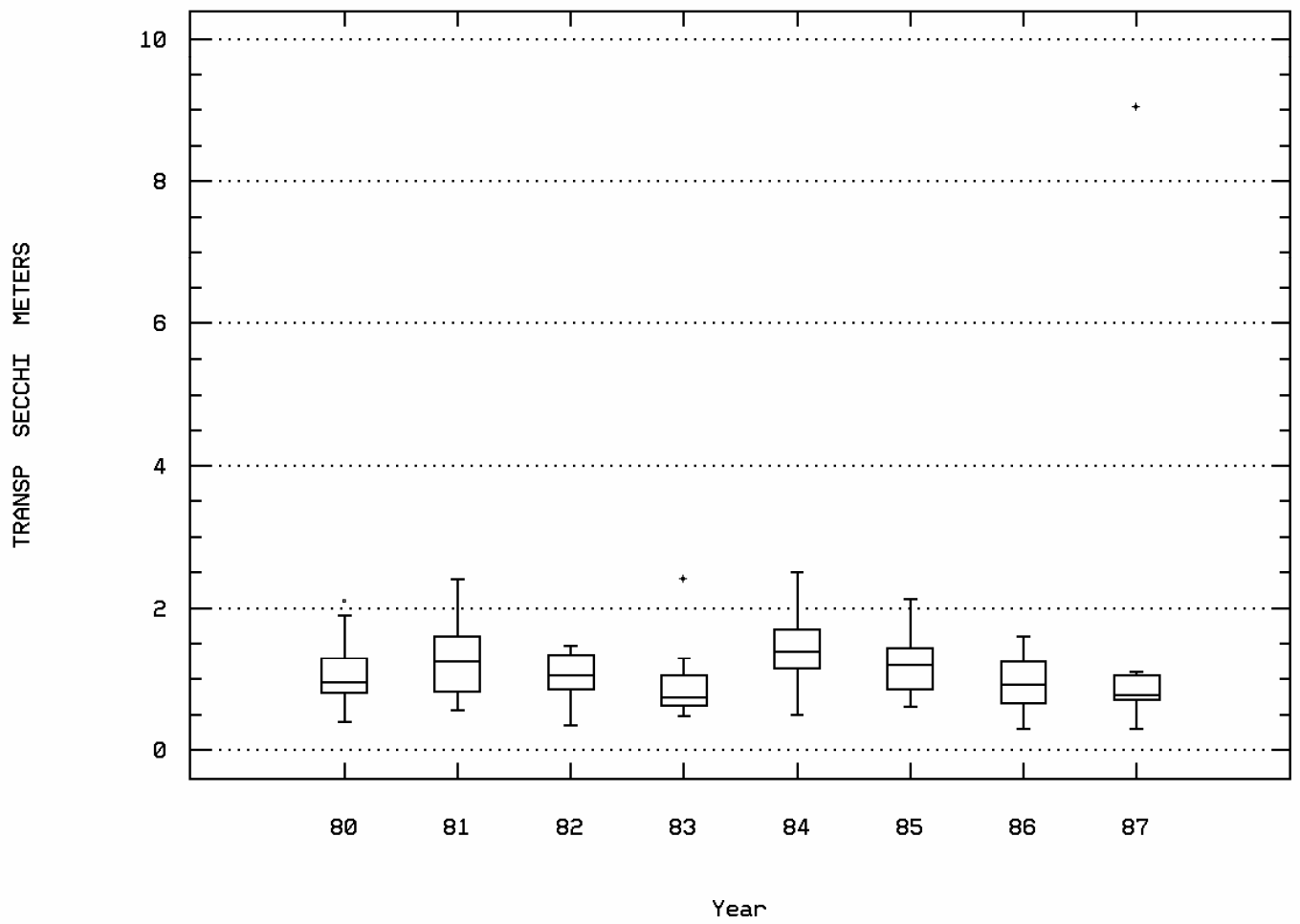
Annual Analysis for 1987 - Station GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	62	15.6	14.945	18.8	11.2	5.026	2.242	11.38	13.175	16.7	17.07
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	0.8	1.49	9.03	0.3	5.687	2.385	0.39	0.712	1.038	6.651
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	62	47375.	45795.645	51500.	37300.	21077278.429	4591.	37900.	42675.	50200.	50900.

** - Less than 9 observations ## - Computed 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: GOGA0296 Parameter Code: 00078

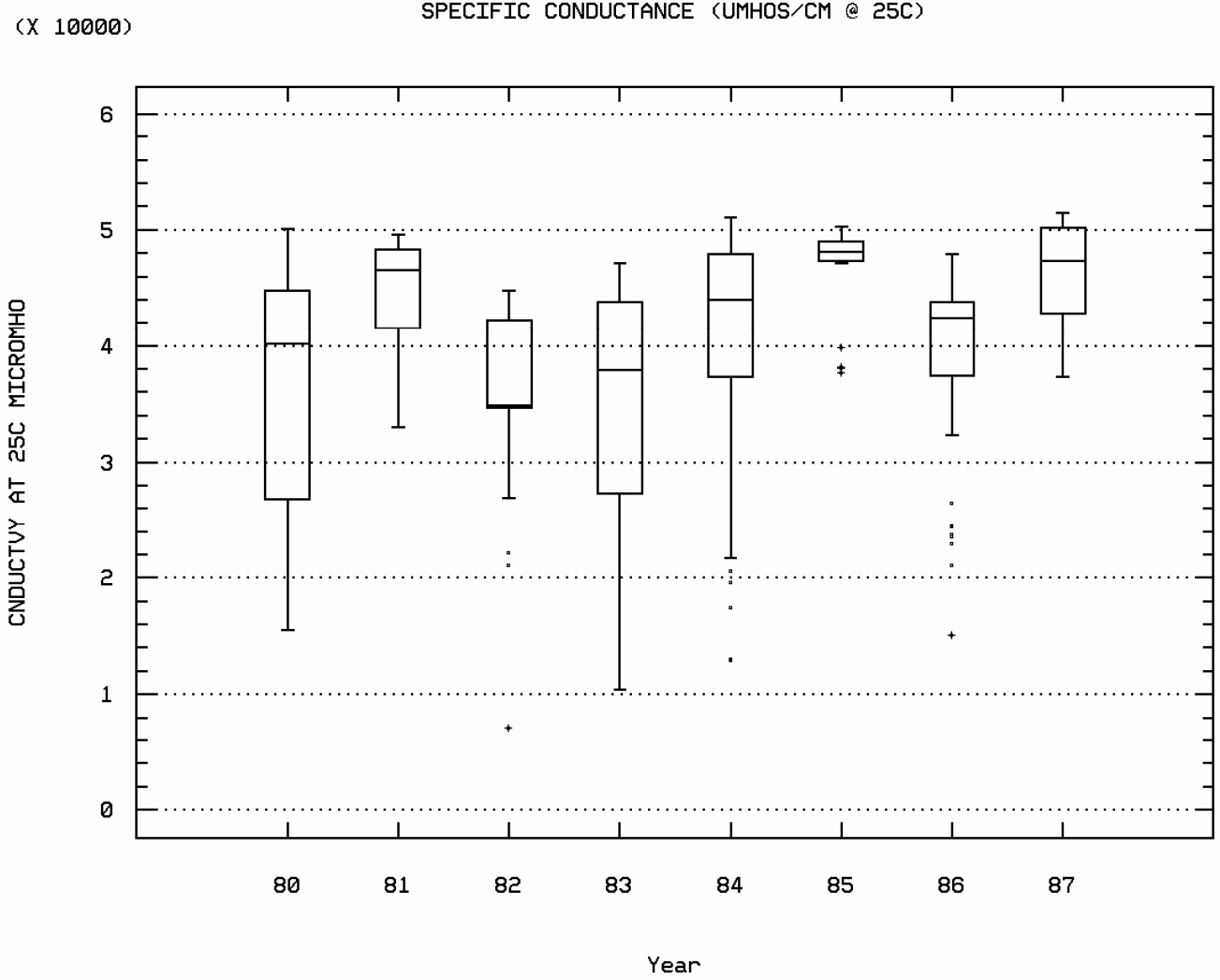
TRANSPARENCY, SECCHI DISC (METERS)



SAN FRANCISCO BAY 2.5KM NORTH OF TREA

Station: GOGA0296 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SAN FRANCISCO BAY 2.5KM NORTH OF TREA

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	173	16.5	16.521	19.1	13.1	1.059	1.029	15.4	15.8	17.	18.
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	39	1.1	1.161	2.4	0.4	0.206	0.454	0.6	0.8	1.47	1.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	173	47100.	45390.017	51500.	30000.	24972626.645	4997.262	37660.	42650.	49465.	50660.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	140	12.8	12.712	16.5	8.3	3.142	1.772	10.5	11.2	14.2	15.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	23	1.2	1.259	2.5	0.3	0.325	0.571	0.54	0.81	1.6	2.28
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	140	43100.	41167.429	50100.	12848.	64678842.837	8042.316	31027.4	37900.	47500.	48400.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	158	12.6	12.635	16.	9.8	2.353	1.534	10.4	11.7	13.8	14.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	33	0.89	1.106	9.03	0.3	2.11	1.453	0.432	0.655	1.1	1.39
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	157	38100.	36676.586	48600.	7010.	83133234.731	9117.743	23060.	33250.	43450.	47320.

** - Less than 9 observations ## - Computed 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: GOGA0297

NPS Station ID: GOGA0297 LAT/LON: 37.845832/-122.548061 Agency: 21CAL-1 Date Created: 01/19/80
Location: ELK VALLEY C AB LAG MARIN PENNINSULA FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): E1810801 /2013004
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005001 RF1 Mile Point: 2.010 Distance from RF1: 3.40 On/Off RF1: OFF
RF3 Index: 18050002098300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.21 On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 15 ;
STATION NAME: ELK VALLEY C AB LAG MARIN PENINSU; DWR COUNTY CODE: 21; LATITUDE: 375045; LONGITUDE: 1223253;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01S, RANGE 06, SECTION 17FBASE M;
USGS QUADRANGLE NUMBER: . 467; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0297

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/06/54-01/06/54	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/06/54-01/06/54	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/06/54-01/06/54	1	1170.	1170.	1170.	1170.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/06/54-01/06/54	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/06/54-01/06/54	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/06/54-01/06/54	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/06/54-01/06/54	1	228.	228.	228.	228.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/06/54-01/06/54	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/06/54-01/06/54	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/06/54-01/06/54	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/06/54-01/06/54	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/06/54-01/06/54	1	102.	102.	102.	102.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/06/54-01/06/54	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/06/54-01/06/54	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/06/54-01/06/54	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/06/54-01/06/54	1	570.	570.	570.	570.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/06/54-01/06/54	1	40.	40.	40.	40.	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: GOGA0297

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	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						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00950	FLUORIDE, 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: GOGA0298

NPS Station ID: GOGA0298 LAT/LON: 37.847223/-122.447237 Agency: 21CAL-82 Date Created: 02/15/86
Location: N SF BAY 1300 YDS SW OF PT KNOX ON ANGEL ISL. FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): LRCHB3 /MWT202
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 45 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 11.10 On/Off RF1:
RF3 Index: 18050002104500.00 RF3 Mile Point: 0.00 Distance from RF3: 1.16 On/Off RF3:
Description:
LOCATION-N SF BAY 1300 YDS SW OF PT KNOX ON ANGEL ISL. HISTORY-ESTABLISHED 1968 FOR MONITORING YOUNG STRIPED BASS FALL-WINTER ABUNDANCE. SAMPLING NOT DONE IN 1974,NOR SINCE 1978. DATA TYPES- EC, SECCHI,TEMPERATURE,(STATION DEPTH, BOAT SPEED,TIME OF TOW (FOR SOME RECENT YEARS)),NUMBER OF FISH CAUGHT BY SPECIES. SAMPLING TECHNIQUES- 12FTX12FT MIDWATER TRAWL WITH VARIABLE MESH. OBLIQUE TOWS FOR 12 MINUTES. SAMPLING DONE WITHOUT RESPECT TO TIDAL STAGE OR DIRECTION OF FLOW. FOR TECHNICAL DETAILS CONTACT CALIF FISH AND GAME 209-466-4421

Parameter Inventory for Station: GOGA0298

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/13/77	26	57.25	56.746	63.7	49.	19.112	4.372	49.14	53.425	59.6	62.65
00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-09/13/77	25	0.99	1.316	2.5	0.51	0.309	0.556	0.798	0.99	1.71	2.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/13/77	26	42369.5	41563.538	52980.	24957.	47567686.578	6896.933	31826.	36621.5	47279.	49371.

** - Less than 9 observations ## - 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: 5/15 to 10/09 - Station GOGA0298

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/13/77	13	59.6	60.077	63.7	57.	4.522	2.126	57.08	59.	61.8	63.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-09/13/77	13	0.99	1.459	2.5	0.99	0.397	0.63	0.99	0.99	2.15	2.46
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/13/77	13	45960.	42497.692	52980.	28620.	56593405.897	7522.859	30528.	36319.	48455.	51948.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0298

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/13/77	10	54.6	54.46	58.5	49.2	9.176	3.029	49.37	51.725	57.15	58.38
00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-09/13/77	9	1.35	1.272	1.8	0.51	0.188	0.434	0.51	0.99	1.71	1.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/13/77	10	43282.	41184.3	47520.	24957.	50941147.122	7137.307	25781.3	38540.	47279.	47507.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0298

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/13/77	3	49.	49.933	51.8	49.	2.613	1.617	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-09/13/77	3	0.99	0.83	0.99	0.51	0.077	0.277	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/13/77	3	38500.	38779.667	41699.	36140.	7784280.333	2790.032	**	**	**	**

** - 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

Station Inventory for Station: GOGA0299

NPS Station ID: GOGA0299
LAT/LON: 37.847501/-122.543618
Agency: 112WRD
Date Created: 06/20/87
Location: TENNESSEE VALLEY CALIF
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 375051122323701
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 3.40
On/Off RF1:
RF3 Index: 18050002098300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.07
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0299

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/30/86-01/30/86	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	01/30/86-01/30/86	1	755.	755.	755.	755.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/30/86-01/30/86	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/30/86-01/30/86	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/30/86-01/30/86	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/30/86-01/30/86	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/30/86-01/30/86	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/30/86-01/30/86	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/30/86-01/30/86	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/30/86-01/30/86	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/30/86-01/30/86	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/30/86-01/30/86	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/30/86-01/30/86	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/30/86-01/30/86	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/30/86-01/30/86	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/30/86-01/30/86	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/30/86-01/30/86	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/30/86-01/30/86	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/30/86-01/30/86	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	01/30/86-01/30/86	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	01/30/86-01/30/86	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/30/86-01/30/86	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/30/86-01/30/86	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/30/86-01/30/86	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/30/86-01/30/86	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/30/86-01/30/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/30/86-01/30/86	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/86-01/30/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/86-01/30/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/30/86-01/30/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/30/86-01/30/86	1	250.	250.	250.	250.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/30/86-01/30/86	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/30/86-01/30/86	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/30/86-01/30/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39055	SIMAZINE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	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

Parameter Inventory for Station: GOGA0299

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39056	PROMETONE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/30/86-01/30/86	1	111.	111.	111.	111.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/30/86-01/30/86	1	102.	102.	102.	102.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/30/86-01/30/86	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: GOGA0299

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	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	Fresh Chronic	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	FLUORIDE, 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			
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	1	1.00							1	1	1.00			
		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.	0 &	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			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	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: GOGA0300

NPS Station ID: GOGA0300 LAT/LON: 37.847780/-122.543616 Agency: 11NPSWRD Date Created: 07/18/98
Location: TENNESSEE VALLEY CREEK NEAR TAMALPAIS VALLEY FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_USGS_TVC /11460130
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE SITE IS LOCATED AT TENNESSEE VALLEY CREEK; 10 FEET DOWNSTREAM OF RIGHT-BANK TRIBUTARY AND 1.6 MILES S OF TAMALPAIS VALLEY. THIS SITE IS LOCATED WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA). THE DATA ARE FROM A REPORT BY MARY ANN MADEJ; "ANALYSIS OF USGS WATER QUALITY DATA 1986-1988." THE REPORT CONTAINS ADDITIONAL DATA FOR USGS STATION 11460130 THAT WERE COLLECTED AND ANALYZED BUT NOT UPLOADED TO STORET BY THE USGS. AS INDICATED IN THE REPORT; SULFATE DATA WERE UPLOADED AS DISSOLVED; AND FECAL COLIFORM DATA ARE QUESTIONABLE DUE TO PROBLEMS WITH THE CULTURES. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620).
DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0300

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/86-06/02/88	5	14.	14.	15.5	12.	1.625	1.275	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/25/86-06/12/87	3	765.	763.333	765.	760.	8.333	2.887	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/25/86-06/02/88	5	0.2	0.498	2.	0.04	0.711	0.843	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/86-06/02/88	5	224.	215.2	227.	188.	265.7	16.3	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/25/86-06/02/88	5	9.2	9.1	10.2	7.9	0.67	0.819	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/30/86-06/02/88	6	89.	89.5	98.	79.	44.3	6.656	**	**	**	**
00400	PH (STANDARD UNITS)	06/25/86-06/02/88	5	7.8	7.66	7.9	7.4	0.058	0.241	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/25/86-06/02/88	5	7.8	7.606	7.9	7.4	0.062	0.248	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/86-06/02/88	5	0.016	0.025	0.04	0.013	0.	0.014	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/22/88-06/02/88	2	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/22/88-06/02/88	2	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/88-06/02/88	2	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/86-06/02/88	5	54.	54.2	64.	41.	73.7	8.585	**	**	**	**
00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	03/22/88-06/02/88	2	56.	56.	60.	52.	32.	5.657	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/30/86-06/12/87	4	47.	47.5	64.	32.	195.	13.964	**	**	**	**
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/30/86-06/02/88	6	64.5	61.667	79.	39.	219.067	14.801	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/86-06/02/88	5 ##	0.05	0.12	0.4	0.05	0.025	0.157	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/25/86-06/02/88	5	0.02	0.015	0.02	0.005	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/86-06/12/87	3	54.	53.667	58.	49.	20.333	4.509	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0300

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/25/86-06/12/87	3 ##	0.	4.333	13.	0.	56.333	7.506	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/86-06/02/88	5	9.3	9.26	10.	8.4	0.503	0.709	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/86-06/02/88	5	7.7	7.54	8.	6.7	0.253	0.503	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/25/86-06/02/88	5	21.	21.2	23.	19.	3.2	1.789	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/25/86-06/12/87	3	1.	1.	1.	1.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/25/86-06/12/87	3	46.	44.667	46.	42.	5.333	2.309	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/25/86-06/02/88	5	1.4	1.52	2.2	1.2	0.152	0.39	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/86-06/02/88	5	30.	28.6	30.	26.	3.8	1.949	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/86-06/02/88	5	10.	10.8	19.	7.	22.7	4.764	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/25/86-06/02/88	5	0.1	0.14	0.3	0.05	0.012	0.108	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/25/86-06/02/88	5	15.	15.2	16.	14.	0.7	0.837	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/25/86-06/02/88	5 ##	0.5	0.9	2.	0.5	0.425	0.652	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/25/86-06/02/88	5	40.	46.	60.	40.	80.	8.944	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/25/86-06/02/88	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/25/86-06/02/88	5 ##	5.	3.6	5.	1.	3.8	1.949	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/25/86-06/02/88	5 ##	5.	9.	20.	5.	42.5	6.519	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/25/86-06/02/88	5	350.	328.4	560.	52.	41142.8	202.837	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/25/86-06/02/88	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/25/86-06/02/88	5	10.	38.	120.	5.	2457.5	49.573	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	03/22/88-06/02/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/30/86-06/02/88	5	280.	299.4	520.	77.	33131.8	182.021	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/30/86-06/02/88	5	2.447	2.39	2.716	1.886	0.111	0.334	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			245.288								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/30/86-06/02/88	6	560.	5523.333	23000.	140.	84503626.667	9192.585	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/30/86-06/02/88	6	2.669	3.007	4.362	2.146	0.877	0.937	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1015.511								
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/25/86-06/25/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/25/86-06/25/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/25/86-06/25/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/25/86-06/25/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/25/86-06/25/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/25/86-06/25/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/25/86-06/25/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/25/86-06/25/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/25/86-06/25/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/25/86-06/25/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/25/86-06/25/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/25/86-06/02/88	5	132.	128.8	136.	111.	102.7	10.134	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/25/86-06/12/87	3	120.	126.667	140.	120.	133.333	11.547	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/30/86-06/12/87	4	0.165	0.165	0.18	0.15	0.	0.017	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/30/86-01/30/86	1	89.	89.	89.	89.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/25/86-06/02/88	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/30/86-03/22/88	2	55.5	55.5	103.	8.	4512.5	67.175	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/30/86-03/22/88	2	1.8	1.8	3.6	0.	6.48	2.546	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/25/86-06/25/86	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: GOGA0300

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------5/15-10/09---------- Obs	Exceed	Prop.	----------10/10-1/14---------- Obs	Exceed	Prop.	----------1/15-5/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	3	0	0.00				2	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00	3	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	5	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: GOGA0300

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	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.	5	0	0.00	3	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	5	0	0.00	3	0	0.00				2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	50.	5	0	0.00	3	0	0.00				2	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.	5	0	0.00	3	0	0.00				2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	1	0.20	3	0	0.00				2	1	0.50			
		Drinking Water	1300.	5	0	0.00	3	0	0.00				2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	5	1	0.20	3	0	0.00				2	1	0.50			
		Drinking Water	5000.	5	0	0.00	3	0	0.00				2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	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			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	5	3	0.60	3	2	0.67				2	1	0.50			
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	2.	5	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: GOGA0301

NPS Station ID: GOGA0301
LAT/LON: 37.847918/-122.358622
Agency: 1119REG9
Date Created: / /
Location: AT END OF ABANDOND BERKELEY PIER
FIPS State/County: 06001 CALIFORNIA/ALAMEDA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000041
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
EAST BAY MUNICIPAL UTILITY DISTRICT, SPECIAL DISTRICT NO. 1, ALAMEDA COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THIS STATION IS LOCATED AT THE END OF THE ABANDONED SECTION OF THE BERKELEY PIER. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THIS STATION IS LABELED 12 BY EAST BAY MUD.

Parameter Inventory for Station: GOGA0301

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: GOGA0302

NPS Station ID: GOGA0302
LAT/LON: 37.848331/-122.358346
Agency: 11EPAMW
Date Created: 07/28/78
Location: N SAN FRANCISCO
FIPS State/County: 06992 CALIFORNIA/
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 7410 /NSF10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: PACIFIC OCEAN
Elevation: 0
Water Body Id:
Minor Basin: PACIFIC OCEAN
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0302

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: GOGA0303

NPS Station ID: GOGA0303
LAT/LON: 37.848606/-122.360844
Agency: 1110DFID
Date Created: / /
Location: END OF BERKELY PIER
FIPS State/County: 06000 CALIFORNIA/
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 720221
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: SAN FRANCISCO BAY
Elevation: 0
Water Body Id:
Minor Basin: SAN PABLO BAY
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0303

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0304

NPS Station ID: GOGA0304 LAT/LON: 37.850056/-122.537817 Agency: 11NPSWRD Date Created: 07/11/98
Location: TENNESSEE VALLEY CREEK BELOW NPS STABLES FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB97_07
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT TENNESSEE VALLEY CREEK BELOW THE NPS STABLES APPROXIMATELY 1 MILE NORTHEAST OF TENNESSEE POINT AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED FROM 19 NOVEMBER 1996 THROUGH 2 MARCH 1997 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0304

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/19/96-03/02/97	3	12.9	12.167	13.3	10.3	2.653	1.629	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/19/96-03/02/97	3	3.	22.233	63.	0.7	1247.763	35.324	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/96-03/02/97	3	120.	146.	230.	88.	5548.	74.485	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/96-03/02/97	3	10.6	10.333	10.7	9.7	0.303	0.551	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/19/96-03/02/97	3	95.	95.333	99.	92.	12.333	3.512	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/19/96-03/02/97	3	7.4	7.333	7.5	7.1	0.043	0.208	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/19/96-03/02/97	3	7.4	7.299	7.5	7.1	0.045	0.212	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/96-03/02/97	3	0.04	0.05	0.079	0.032	0.001	0.026	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/96-03/02/97	3	17.	24.667	48.	9.	424.333	20.599	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/96-03/02/97	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/25/97-01/25/97	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/25/97-01/25/97	1	0.056	0.056	0.056	0.056	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/18/96-11/18/96	1	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/18/96-11/18/96	1	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2400.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/18/96-11/18/96	1	540.	540.	540.	540.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/18/96-11/18/96	1	2.732	2.732	2.732	2.732	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			540.								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/19/96-03/02/97	3	54.9	59.5	102.	21.6	1631.91	40.397	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0304

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00				1	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	1	1.00				1	1	1.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	3	2	0.67				1	0	0.00	2	2	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: GOGA0305

NPS Station ID: GOGA0305
LAT/LON: 37.851662/-122.396679
Agency: 112WRD
Date Created: 07/18/78
Location: SAN FRANCISCO BAY A PT BLUNT CA
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 375106122234801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0305

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/78-12/20/78	314	12.9	13.16	16.1	10.	2.071	1.439	11.	12.6	14.3	15.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/78-12/20/78	312	47200.	45329.167	49100.	17500.	23649017.953	4863.026	41430.	44700.	47700.	48400.
00300	OXYGEN, DISSOLVED MG/L	11/10/77-12/20/78	315	7.7	7.723	9.7	6.1	0.564	0.751	6.6	7.2	8.3	8.6
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/78-12/20/78	314	88.	88.408	112.	68.	72.357	8.506	77.5	84.	94.	99.
00400	PH (STANDARD UNITS)	01/31/78-12/20/78	313	7.9	7.891	8.2	7.6	0.023	0.152	7.7	7.8	8.	8.1
00400	CONVERTED PH (STANDARD UNITS)	01/31/78-12/20/78	313	7.9	7.864	8.2	7.6	0.024	0.155	7.7	7.8	8.	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/78-12/20/78	313	0.013	0.014	0.025	0.006	0.	0.005	0.008	0.01	0.016	0.02
00480	SALINITY - PARTS PER THOUSAND	11/10/77-12/20/78	315	30.7	29.338	32.2	10.3	12.395	3.521	26.56	28.9	31.1	31.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/10/77-03/15/78	2	0.075	0.075	0.09	0.06	0.	0.021	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-07/13/78	3	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-07/13/78	3	0.25	0.247	0.31	0.18	0.004	0.065	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/10/77-07/13/78	3	0.3	0.267	0.3	0.2	0.003	0.058	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/10/77-07/13/78	3	0.29	0.287	0.36	0.21	0.006	0.075	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/10/77-07/13/78	3	3.	4.967	9.7	2.2	16.963	4.119	**	**	**	**
70971	LIGHT, ATTENUATION COEFFICIENT (ALPHA/M)	01/31/78-12/20/78	310	3.19	3.463	8.48	1.43	1.689	1.3	2.04	2.62	3.98	5.36
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/10/77-03/15/78	2	0.1	0.1	0.12	0.08	0.001	0.028	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/10/77-07/13/78	3	1.1	1.1	1.4	0.8	0.09	0.3	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/10/77-07/13/78	3	0.03	0.03	0.03	0.03	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: GOGA0305

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	315	0	0.00	89	0	0.00	63	0	0.00	163	0	0.00			
00400	PH	Fresh Chronic	9.	313	0	0.00	88	0	0.00	62	0	0.00	163	0	0.00			
		Other-Lo Lim.	6.5	313	0	0.00	88	0	0.00	62	0	0.00	163	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	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

Station Inventory for Station: GOGA0306

NPS Station ID: GOGA0306
LAT/LON: 37.853606/-122.477095
Agency: 1119REG9
Date Created: / /
Location: SAUSALITO 2275 YDS N YELLOW BLUF
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000165
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 21.090
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003607.90
RF3 Mile Point: 10.65
Distance from RF3: 0.04
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED AT THE POINT OF DISCHARGE FROM THE PRINCESS STREET PUMP STATION BYPASS. THIS STATION IS LABELED C-8. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0306

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: GOGA0307

NPS Station ID: GOGA0307
LAT/LON: 37.853606/-122.477095
Agency: 1119REG9
Date Created: / /
Location: SAUSALITO 2275 YDS N YELLOW BLUF
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/PTRTMT/OUTFL/OCEAN
STORET Station ID(s): 6000153
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 21.090
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003607.90
RF3 Mile Point: 10.65
Distance from RF3: 0.04
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THE STATION IS LOCATED AT ANY POINT IN THE OUTFALL FROM THE PRINCESS STREET PUMPING STATION BETWEEN THE POINT OF DISCHARGE AND THE POINT AT WHICH ALL WASTE TRIBUTARY TO THAT OUTFALL IS PRESENT. THIS STATION IS LABELED E-3. THE DATA IS FROM THE SELF-MONI- TORING PROGRAM.

Parameter Inventory for Station: GOGA0307

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: GOGA0308

NPS Station ID: GOGA0308
LAT/LON: 37.855557/-122.468067
Agency: 1110DFID
Date Created: / /
Location: BUOY FIR 4 SEC #2
FIPS State/County: 06000 CALIFORNIA/
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 720226
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: SAN FRANCISCO BAY
Elevation: 0
Water Body Id:
Minor Basin: SAN PABLO BAY
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 9.810
Distance from RF1: 6.30
On/Off RF1: OFF
RF3 Index: 18050002000202.39
RF3 Mile Point: 3.06
Distance from RF3: 0.78
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0308

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0309

NPS Station ID: GOGA0309
LAT/LON: 37.857773/-122.469734
Agency: 21CAL-82
Date Created: 02/15/86
Location: RICHARDSON BAY NORTH OF LIGHT 2
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): LRCHB5 /MWT203
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 10
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 10.110
Distance from RF1: 1.40
On/Off RF1: OFF
RF3 Index: 18050002096900.00
RF3 Mile Point: 0.00
Distance from RF3: 0.08
On/Off RF3:
Description:
LOCATION-N SF BAY-RICHARDSON BAY NORTH OF LIGHT 2 HISTORY-ESTABLISHED 1968 FOR MONITORING YOUNG STRIPED BASS FALL-WINTER ABUNDANCE. SAMPLING NOT DONE IN 1974,NOR SINCE 1978. DATA TYPES- EC, SECCHI,TEMPERATURE,(STATION DEPTH, BOAT SPEED,TIME OF TOW (FOR SOME RECENT YEARS)),NUMBER OF FISH CAUGHT BY SPECIES. SAMPLING TECHNIQUES- 12FTX12FT MIDWATER TRAWL WITH VARIABLE MESH. OBLIQUE TOWS FOR 12 MINUTES. SAMPLING DONE WITHOUT RESPECT TO TIDAL STAGE OR DIRECTION OF FLOW. FOR TECHNICAL DETAILS CONTACT CALIF FISH AND GAME 209-466-4421

Parameter Inventory for Station: GOGA0309

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-03/07/78	28	58.	57.243	63.8	48.3	20.944	4.576	49.45	54.	61.15	63.15
00078	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-03/07/78	27	0.99	1.224	2.	0.51	0.172	0.414	0.79	0.99	1.7	1.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-03/07/78	28	41403.	40111.714	52250.	23452.	54038218.212	7351.069	27833.4	36815.	45925.	47750.

** - Less than 9 observations ## - 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: GOGA0310

NPS Station ID: GOGA0310 LAT/LON: 37.858613/-122.536456 Agency: 11NPSWRD Date Created: 07/11/98
Location: TENNESSEE VALLEY CREEK BELOW MIWOK STABLES FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB97_06
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT TENNESSEE VALLEY CREEK BELOW MIWOK STABLES APPROXIMATELY 2 MILES SOUTH OF RODEO LAGOON AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 19 NOVEMBER 1996 THROUGH 2 MARCH 1997 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0310

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/19/96-03/02/97	3	12.9	12.067	13.3	10.	3.243	1.801	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/19/96-03/02/97	3	0.1	18.4	55.	0.1	1004.67	31.697	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/96-03/02/97	3	145.	166.667	270.	85.	8908.333	94.384	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/96-03/02/97	3	10.4	9.6	10.7	7.7	2.73	1.652	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/19/96-03/02/97	3	94.	88.333	97.	74.	156.333	12.503	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/19/96-03/02/97	3	7.3	7.333	7.6	7.1	0.063	0.252	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/19/96-03/02/97	3	7.3	7.288	7.6	7.1	0.066	0.258	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/96-03/02/97	3	0.05	0.052	0.079	0.025	0.001	0.027	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/96-03/02/97	3	30.	40.667	78.	14.	1109.333	33.307	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/96-03/02/97	3 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/18/96-11/18/96	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/18/96-11/18/96	1	3.204	3.204	3.204	3.204	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1600.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/18/96-11/18/96	1	920.	920.	920.	920.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/18/96-11/18/96	1	2.964	2.964	2.964	2.964	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			920.								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/19/96-03/02/97	3	59.6	59.033	90.	27.5	976.803	31.254	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0310

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00				1	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	1	1.00				1	1	1.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	3	2	0.67				1	1	1.00	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: GOGA0311

NPS Station ID: GOGA0311 LAT/LON: 37.859718/-122.401672 Agency: 21CAL-84 Date Created: 02/15/86
Location: SAN FRANCISCO BAY 1.5KM EAST OF ANGEL ISLAND FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): RSAC009 /214
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 16.50 On/Off RF1:
RF3 Index: 18050002017200.00 RF3 Mile Point: 0.00 Distance from RF3: 1.00 On/Off RF3:
Description:
LOCATION-SAN FRANCISCO BAY CHANNEL APPROX 1.5KM EAST OF QUARRY POINT, ANGEL ISLAND.
HISTORY-ESTABLISHED JAN 1980 FOR MONITORING FISH AND CRUSTACEANS IN SF BAY AND THE WEST DELTA. SAMPLED MONTHLY 1980 TO PRESENT (CURRENT).
DATA TYPES-WATER TEMPERATURE AND EC, TIDE STAGE AND DIRECTION, STATION DEPTH, START AND FINISH LAT & LON OF TOW, BEARING OF TOW, DISTANCE OF TOW, NET TYPE, NUMBER OF FISH AND INVERTEBRATES BY SPECIES WITH SIZE FREQUENCY.
SAMPLING TECHNIQUES-EACH STATION IS TOWED WITH A 3M X 3M MIDWATER TRAWL, A 1M X 3M OTTER TRAWL AND A .5M DIA 505 MICRON EGG AND LARUAL NET.
TOWS ARE 5 AND 6 MINUTE DURATION AND TAKEN WITHOUT RESPECT TO TIDE STAGE OR DIRECTION. MIDWATER TRAWLS AND E & L TOWS ARE OBLIQUE.
FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH & GAME (209) 466-4421.

Parameter Inventory for Station: GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	668	13.8	13.923	21.3	7.8	4.948	2.224	10.9	12.2	15.8	16.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	94	1.05	1.088	2.3	0.28	0.223	0.472	0.525	0.748	1.325	1.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	668	44200.	41735.53	55100.	6850.	84959107.293	9217.326	31235.8	37900.	48607.5	50300.

** - Less than 9 observations ## - 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 1980 - Station GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	11	13.7	13.918	16.5	9.5	4.812	2.194	10.	12.7	16.2	16.46
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	11	0.95	1.117	2.15	0.55	0.281	0.53	0.57	0.74	1.3	2.12
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	11	34986.	34675.909	52000.	13500.	126409011.091	11243.176	15039.8	26901.	42040.	51160.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	98	13.8	14.016	16.6	10.8	2.356	1.535	12.59	12.9	15.6	16.11
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.175	1.292	2.2	0.8	0.229	0.479	0.815	0.9	1.775	2.11
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	98	48400.	45651.122	50500.	32400.	26544661.614	5152.151	36690.	41825.	49500.	49940.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	72	13.7	13.268	19.2	7.8	5.271	2.296	10.6	11.9	15.1	15.97
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	11	1.05	0.996	1.6	0.48	0.156	0.395	0.504	0.68	1.3	1.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	72	38050.	38173.014	55100.	11800.	73118592.324	8550.941	28200.	34900.	43600.	47880.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	100	13.6	14.16	21.3	9.6	5.596	2.366	11.	12.225	16.	17.6
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	0.84	0.813	1.5	0.28	0.18	0.424	0.304	0.373	1.12	1.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	100	38500.	34161.45	47700.	6850.	148594339.543	12189.928	13042.	25725.	44050.	46790.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	106	13.	13.984	18.9	9.8	5.029	2.242	11.87	12.2	16.125	17.03
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.1	1.279	2.3	0.6	0.282	0.531	0.63	0.925	1.775	2.21
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	106	44000.	42810.462	51602.	10992.	64581730.937	8036.276	33700.	39275.	49425.	50677.6

** - 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 1985 - Station GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	93	13.4	13.462	17.5	9.6	7.113	2.667	10.2	10.9	16.4	17.06
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.345	1.313	2.28	0.55	0.21	0.458	0.61	0.998	1.588	2.076
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	93	48800.	46772.043	51600.	35800.	21013557.737	4584.055	37660.	45850.	49600.	50720.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	89	14.	14.021	17.2	10.6	3.467	1.862	10.6	12.2	15.4	16.5
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	0.825	0.896	2.	0.4	0.223	0.473	0.415	0.5	1.175	1.79
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	89	40600.	38519.101	48400.	9200.	93523153.728	9670.737	21500.	37100.	45750.	46200.

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

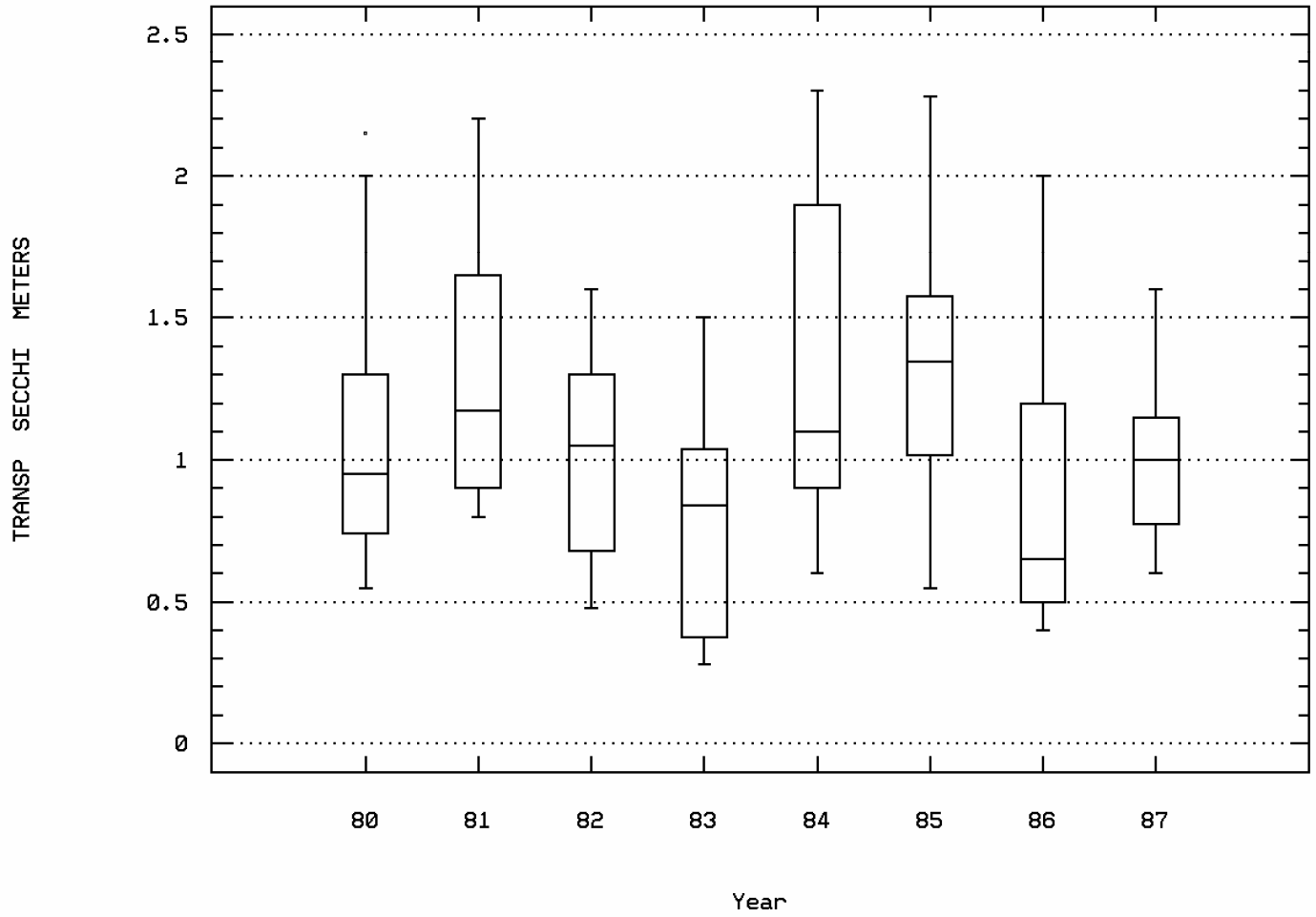
Annual Analysis for 1987 - Station GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	99	14.8	14.344	18.9	10.9	5.427	2.33	11.3	11.8	16.	17.3
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.	0.996	1.6	0.6	0.084	0.29	0.63	0.763	1.175	1.51
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	99	46200.	45894.727	52100.	36700.	22102828.772	4701.365	38800.	40900.	50300.	51300.

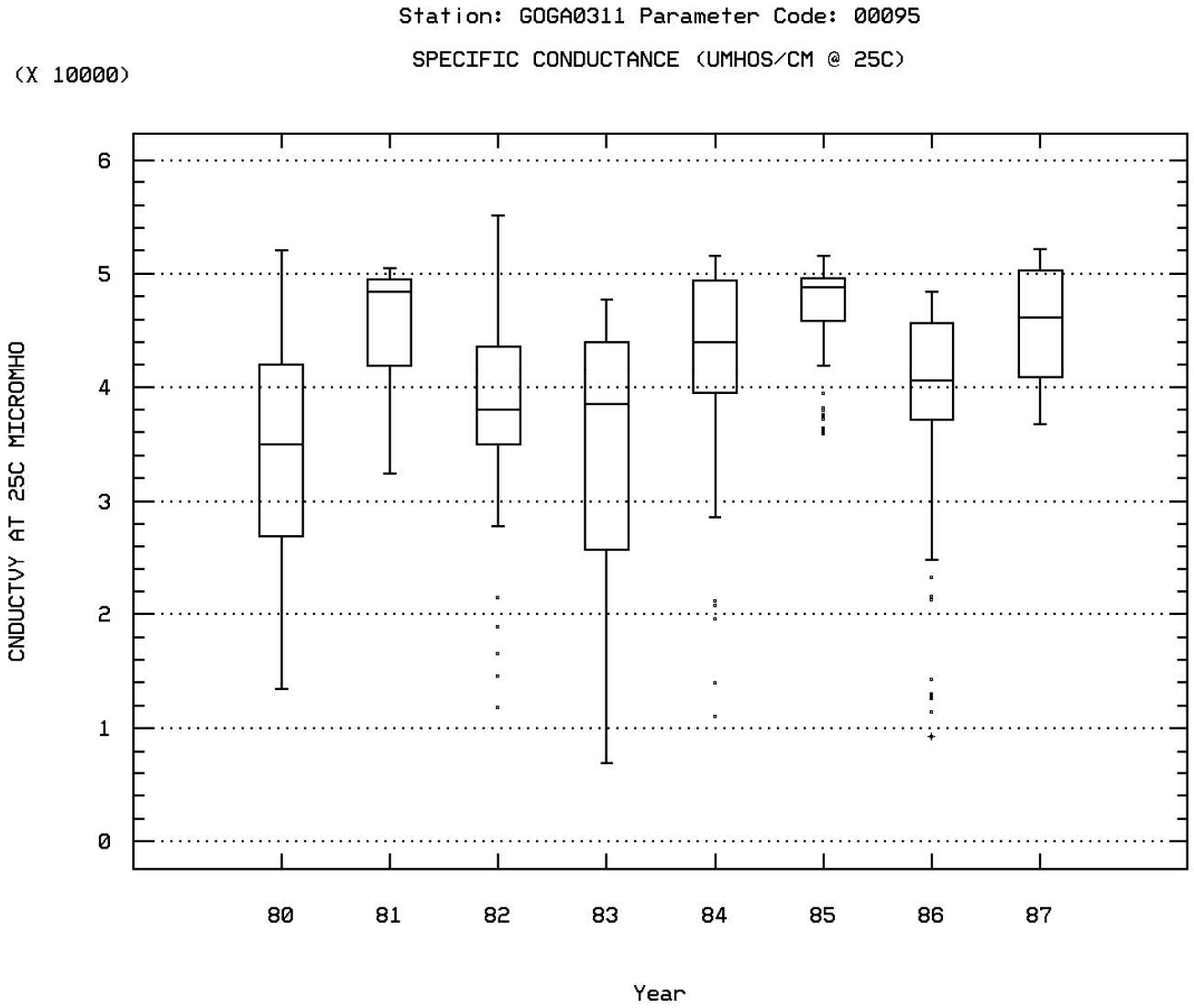
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GOGA0311 Parameter Code: 00078

TRANSPARENCY, SECCHI DISC (METERS)



SAN FRANCISCO BAY 1.5KM EAST OF ANGEL I



SAN FRANCISCO BAY 1.5KM EAST OF ANGEL I

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	268	16.	15.91	21.3	7.8	2.379	1.543	14.4	15.4	16.675	17.41
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	39	1.1	1.143	2.3	0.37	0.234	0.483	0.6	0.8	1.4	1.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	268	48236.	45863.269	55100.	27900.	28395468.362	5328.74	38360.	42130.	49700.	50800.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	173	12.8	12.667	19.2	8.5	2.839	1.685	10.6	11.25	13.85	15.16
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	22	1.25	1.347	2.2	0.38	0.226	0.475	0.675	1.1	1.6	2.105
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	173	45400.	43369.705	52000.	10992.	51579643.477	7181.897	34440.	40550.	48625.	49800.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	227	12.5	12.533	17.3	9.5	1.803	1.343	10.6	11.9	13.6	14.1
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	33	0.8	0.852	1.9	0.28	0.116	0.34	0.462	0.65	1.05	1.23
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	227	37900.	35616.824	51100.	6850.	118086881.827	10866.779	14440.	32600.	42700.	46560.

** - Less than 9 observations ## - Computed 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: GOGA0312

NPS Station ID: GOGA0312 LAT/LON: 37.860080/-122.574041 Agency: 11NPSWRD Date Created: 07/11/98
Location: BIG LAGOON 1000 FEET EAST OF MUIR BEACH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UCD_BL
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT BIG LAGOON APPROXIMATELY 1000 FEET EAST OF MUIR BEACH. SAMPLES FOR THIS SITE WERE TAKEN ONCE IN FEBRUARY; TWICE IN MARCH; THREE TIMES IN APRIL; AND TWICE IN BOTH MAY AND JUNE; 1986. THE RESULTS ARE IN "TECHNICAL REPORT NO. 29 ASSESSMENT OF AN OIL SPILL ON SELECTED FISHES IN RODEO LAGOON AND MUIR BEACH" BY JOHNSON C.S. WANG AND THOMAS P. KEEGAN (UNIVERSITY OF CALIFORNIA AT DAVIS; MARCH 1988). FIGURE 2 ON PAGE 8 SHOWS THE EXACT STATION LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0312

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	10	14.75	15.54	19.5	12.9	4.416	2.101	13.01	14.	17.	19.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	10	11.5	11.3	12.	10.	0.456	0.675	10.05	10.875	12.	12.
00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0312

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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	Other-Lo Lim.	4.	10	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

Station Inventory for Station: GOGA0313

NPS Station ID: GOGA0313 LAT/LON: 37.860447/-122.575789 Agency: 11NPSWRD Date Created: 07/11/98
Location: BIG LAGOON 500 FEET EAST OF MUIR BEACH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UCD_BLMB
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT BIG LAGOON 500 FEET EAST OF MUIR BEACH. SAMPLES FOR THIS SITE WERE TAKEN ONCE IN FEBRUARY; TWICE IN MARCH; THREE TIMES IN APRIL; AND TWICE IN BOTH MAY AND JUNE; 1986. THE RESULTS ARE IN "TECHNICAL REPORT NO. 29 ASSESSMENT OF AN OIL SPILL ON SELECTED FISHES IN RODEO LAGOON AND MUIR BEACH" BY JOHNSON C.S. WANG AND THOMAS P. KEEGAN (UNIVERSITY OF CALIFORNIA AT DAVIS; MARCH 1988). FIGURE 2 ON PAGE 8 OF THE REPORT SHOWS THE EXACT STATION LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0313

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	10	19.25	18.95	23.5	13.	8.081	2.843	13.4	17.375	21.	23.25
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	10	10.25	9.9	11.5	8.5	1.1	1.049	8.5	8.5	10.5	11.4
00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0313

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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	Other-Lo Lim.	4.	10	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

Station Inventory for Station: GOGA0314

NPS Station ID: GOGA0314 LAT/LON: 37.860498/-122.575005 Agency: 11NPSWRD Date Created: 07/11/98
Location: THE POOL IN BIG LAGOON BEHIND MUIR BEACH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): GOGA_UCD_BLPOOL
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE POOL IN BIG LAGOON BEHIND MUIR BEACH. SAMPLES FOR THIS SITE WERE TAKEN ONCE IN FEBRUARY; TWICE IN MARCH; THREE TIMES IN APRIL; AND TWICE IN BOTH MAY AND JUNE; 1986. THE RESULTS ARE IN "TECHNICAL REPORT NO. 29 ASSESSMENT OF AN OIL SPILL ON SELECTED FISHES IN RODEO LAGOON AND MUIR BEACH" BY JOHNSON C.S. WANG AND THOMAS P. KEEGAN (UNIVERSITY OF CALIFORNIA AT DAVIS; MARCH 1988). FIGURE 2 ON PAGE 8 OF THE REPORT SHOWS THE EXACT STATION LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0314

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	10	16.75	16.96	23.	12.9	9.587	3.096	13.01	14.375	19.	22.75
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	10	8.75	8.05	11.	2.5	5.692	2.386	2.9	6.875	9.625	10.9
00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0314

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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	Other-Lo Lim.	4.	10	1	0.10	3	0	0.00				7	1	0.14			

& - 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: GOGA0315

NPS Station ID: GOGA0315
LAT/LON: 37.860555/-122.563341
Agency: 21CAL-1
Date Created: 01/19/80
Location: REDWOOD C A MUIR BEACH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E1811201 /2013002
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005001
RF1 Mile Point: 3.770
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002098100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 15 ;
STATION NAME: REDWOOD C A MUIR BEACH ; DWR COUNTY CODE: 21; LATITUDE: 375138; LONGITUDE: 1223348;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01S, RANGE 06, SECTION 07EBASE M;
USGS QUADRANGLE NUMBER: . 467; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0315

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/06/54-01/06/54	1	55.4	55.4	55.4	55.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/06/54-01/06/54	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/06/54-01/06/54	1	303.	303.	303.	303.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/06/54-01/06/54	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/06/54-01/06/54	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/06/54-01/06/54	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/06/54-01/06/54	1	117.	117.	117.	117.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/06/54-01/06/54	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/06/54-01/06/54	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/06/54-01/06/54	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/06/54-01/06/54	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/06/54-01/06/54	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/06/54-01/06/54	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/06/54-01/06/54	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/06/54-01/06/54	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/06/54-01/06/54	1	90.	90.	90.	90.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	01/06/54-01/06/54	1	99.	99.	99.	99.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/06/54-01/06/54	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: GOGA0315

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	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						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00950	FLUORIDE, 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: GOGA0316

NPS Station ID: GOGA0316 LAT/LON: 37.861248/-122.573034 Agency: 11NPSWRD Date Created: 07/18/98
Location: BACKWATER CHANNEL ABOVE MUIR BEACH PARKING LOT FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /CANAL/TYPA/AMBNT STORET Station ID(s): GOGA_PWA_4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE BACKWATER CHANNEL ABOVE MUIR BEACH PARKING LOT AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED TWICE DURING A LARGE STORM EVENT ON 13-14 DECEMBER 1993. THE RESULTS ARE IN "ANALYSIS OF LAND USE IMPACTS ON WATER QUALITY AND QUANTITY IN REDWOOD CREEK" BY ROBERT W. SCHANZ; JOAN FLORSHEIM; AND PHILIP B. WILLIAMS (PREPARED FOR THE NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA; JANUARY 1995). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0316

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	2	275.	275.	410.	140.	36450.	190.919	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/93-12/14/93	2	0.685	0.685	0.7	0.67	0.	0.021	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/93-12/14/93	2	0.17	0.17	0.22	0.12	0.005	0.071	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	1	3.204	3.204	3.204	3.204	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1600.								

** - Less than 9 observations ## - 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: GOGA0316

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00				2	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	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: GOGA0317

NPS Station ID: GOGA0317 LAT/LON: 37.861078/-122.573342 Agency: 11NPSWRD Date Created: 07/11/98
Location: REDWOOD CREEK 100 FEET UPSTREAM OF BIG LAGOON FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_UCD_RC
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK 100 FEET UPSTREAM OF BIG LAGOON BEHIND MUIR BEACH. SAMPLES FOR THIS SITE WERE TAKEN ONCE IN FEBRUARY; TWICE IN MARCH; THREE TIMES IN APRIL; AND TWICE IN BOTH MAY AND JUNE; 1986. THE RESULTS ARE IN "TECHNICAL REPORT NO. 29 ASSESSMENT OF AN OIL SPILL ON SELECTED FISHES IN RODEO LAGOON AND MUIR BEACH" BY JOHNSON C.S. WANG AND THOMAS P. KEEGAN (UNIVERSITY OF CALIFORNIA AT DAVIS; MARCH 1988). FIGURE 2 ON PAGE 8 SHOWS THE EXACT STATION LOCATIONS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0317

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/86-06/20/86	10	13.5	13.87	17.	12.5	1.525	1.235	12.55	13.15	14.125	16.75
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/25/86-06/20/86	10	11.25	11.27	12.	10.4	0.491	0.701	10.41	10.5	12.	12.
00480	SALINITY - PARTS PER THOUSAND	02/25/86-06/20/86	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0317

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
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	Other-Lo Lim.	4.	10	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

Station Inventory for Station: GOGA0318

NPS Station ID: GOGA0318 LAT/LON: 37.861392/-122.575284 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK AT MUIR BEACH PARKING LOT FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB95A_3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK AT THE MUIR BEACH PARKING LOT AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. LATITUDE AND LONGITUDE COORDINATES WERE DETERMINED AT THE NEAREST AREA OF OPEN CANOPY USING A HANDHELD MAGELLAN GPS MERIDIAN. HEAVY RAINS DURING THE DAYS PRECEEDING 3/13/95 RESULTED IN HIGH WATER PREVENTING FLOW MEASUREMENTS. ONE SAMPLE WAS COLLECTED ON 13 MARCH 1995 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1995" BY BY M. PODLECH; A.A. MILLER; C.M.CODEMO; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; AUG. 1995). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0318

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/95-03/13/95	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/95-03/13/95	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/95-03/13/95	1	152.	152.	152.	152.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/13/95-03/13/95	1	12.9	12.9	12.9	12.9	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/95-03/13/95	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/13/95-03/13/95	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/13/95-03/13/95	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/95-03/13/95	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/95-03/13/95	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/95-03/13/95	1	248.	248.	248.	248.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/13/95-03/13/95	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/13/95-03/13/95	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/13/95-03/13/95	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/13/95-03/13/95	1	9.39	9.39	9.39	9.39	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/13/95-03/13/95	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/13/95-03/13/95	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/13/95-03/13/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/13/95-03/13/95	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/13/95-03/13/95	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 time series plot

Parameter Inventory for Station: GOGA0318

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01020	BORON, DISSOLVED (UG/L AS B)	03/13/95-03/13/95	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/13/95-03/13/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/13/95-03/13/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	03/13/95-03/13/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/13/95-03/13/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/13/95-03/13/95	1	251.	251.	251.	251.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/13/95-03/13/95	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/13/95-03/13/95	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/13/95-03/13/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/13/95-03/13/95	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/13/95-03/13/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/13/95-03/13/95	1	62.	62.	62.	62.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	03/13/95-03/13/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/13/95-03/13/95	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/13/95-03/13/95	1	230.	230.	230.	230.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	03/13/95-03/13/95	1	6481.	6481.	6481.	6481.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/13/95-03/13/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/13/95-03/13/95	1	6.	6.	6.	6.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/13/95-03/13/95	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	03/13/95-03/13/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/13/95-03/13/95	1	203.	203.	203.	203.	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: GOGA0318

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------5/15-10/09---------- Obs	Exceed	Prop.	----------10/10-1/14---------- Obs	Exceed	Prop.	----------1/15-5/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
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			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	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			
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			
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			
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			
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			
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			
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			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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: GOGA0319

NPS Station ID: GOGA0319 LAT/LON: 37.861392/-122.575284 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK AT MUIR BEACH PARKING LOT FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB94S_03
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK AT THE MUIR BEACH PARKING LOT AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. LATITUDE AND LONGITUDE COORDINATES WERE DETERMINED AT THE NEAREST AREA OF OPEN CANOPY USING A HANDHELD MAGELLAN GPS MERIDIAN. SAMPLES FOR THIS SITE WERE COLLECTED FROM 7 MARCH 1994 THROUGH 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0319

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/94-04/25/94	2	11.95	11.95	12.8	11.1	1.445	1.202	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/07/94-04/25/94	2	11.8	11.8	13.8	9.8	8.	2.828	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/07/94-03/07/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/07/94-04/25/94	2	197.5	197.5	210.	185.	312.5	17.678	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/07/94-04/25/94	2	10.1	10.1	10.7	9.5	0.72	0.849	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/94-04/25/94	2	83.5	83.5	92.	75.	144.5	12.021	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/07/94-04/25/94	2	7.15	7.15	7.2	7.1	0.005	0.071	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/07/94-04/25/94	2	7.147	7.147	7.2	7.1	0.005	0.071	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/94-04/25/94	2	0.071	0.071	0.079	0.063	0.	0.012	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/07/94-04/25/94	2	81.5	81.5	87.	76.	60.5	7.778	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/94-03/07/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/94-04/25/94	2	0.275	0.275	0.31	0.24	0.002	0.049	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/07/94-04/25/94	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/07/94-03/07/94	1	12.8	12.8	12.8	12.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/07/94-03/07/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/07/94-03/07/94	1	13.49	13.49	13.49	13.49	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/07/94-03/07/94	1	0.58	0.58	0.58	0.58	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/07/94-04/25/94	2	19.	19.	21.	17.	8.	2.828	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/07/94-04/25/94	2	14.5	14.5	16.	13.	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

Parameter Inventory for Station: GOGA0319

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/07/94-03/07/94	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/07/94-03/07/94	1	79.	79.	79.	79.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/07/94-03/07/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/07/94-03/07/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/07/94-03/07/94	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/07/94-03/07/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/07/94-03/07/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/07/94-03/07/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/07/94-03/07/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/07/94-03/07/94	1	133.	133.	133.	133.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/07/94-03/07/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/07/94-03/07/94	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	03/07/94-03/07/94	1	8683.	8683.	8683.	8683.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/07/94-03/07/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/16/94-03/16/94	1	50.	50.	50.	50.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/16/94-03/16/94	1	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			50.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/16/94-03/16/94	1	30.	30.	30.	30.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/16/94-03/16/94	1	1.477	1.477	1.477	1.477	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			30.								
47501	WEATHER AT TIME OF SAMPLING	03/07/94-04/25/94	2	5.	5.	6.	4.	2.	1.414	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/07/94-04/25/94	2	2.55	2.55	3.2	1.9	0.845	0.919	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0319

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00620	NITRATE NITROGEN, TOTAL 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			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00							2	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			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	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			
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			
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			
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			

& - 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: GOGA0319

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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			
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			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00							1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00							1	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			
82078	TURBIDITY, FIELD	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

Station Inventory for Station: GOGA0320

NPS Station ID: GOGA0320 LAT/LON: 37.862051/-122.573291 Agency: 11NPSWRD Date Created: 07/18/98
Location: GREEN GULCH CREEK BELOW BANDUCCI'S LOWER PASTURE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_PWA_6
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT GREEN GULCH CREEK AT THE LOWER END OF BANDUCCI'S LOWER PASTURE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED TWICE DURING A STORM ON 13-14 DECEMBER 1993. THE RESULTS ARE IN "ANALYSIS OF LAND USE IMPACTS ON WATER QUALITY AND QUANTITY IN REDWOOD CREEK" BY ROBERT W. SCHANZ; JOAN FLORSHEIM; AND PHILIP B. WILLIAMS (PREPARED FOR THE NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA; JANUARY 1995). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0320

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	2	13.	13.	20.	6.	98.	9.899	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/31/93-08/31/93	3	## 0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/31/93-12/14/93	5	## 0.005	0.503	1.4	0.005	0.476	0.69	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/31/93-12/14/93	5	0.02	0.104	0.3	0.005	0.018	0.135	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	4	185.	720.	2400.	110.	1257666.667	1121.457	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	4	2.247	2.479	3.38	2.041	0.382	0.618	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			301.259								

** - 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

EPA Water Quality Criteria Analysis for Station: GOGA0320

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	3	0	0.00	2	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	2	0.50	3	1	0.33	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: GOGA0321

NPS Station ID: GOGA0321
LAT/LON: 37.862498/-122.572231
Agency: 112WRD
Date Created: 06/20/87
Location: GREEN GULCH CALIF
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 375145122342001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 5.40
On/Off RF1:
RF3 Index: 18050002098100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.26
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0321

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/30/86-01/30/86	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	01/30/86-01/30/86	1	755.	755.	755.	755.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/30/86-01/30/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/30/86-01/30/86	1	202.	202.	202.	202.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/30/86-01/30/86	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/30/86-01/30/86	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/30/86-01/30/86	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/30/86-01/30/86	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/30/86-01/30/86	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/30/86-01/30/86	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/30/86-01/30/86	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/30/86-01/30/86	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/30/86-01/30/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/30/86-01/30/86	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/30/86-01/30/86	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/30/86-01/30/86	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/30/86-01/30/86	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/30/86-01/30/86	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	01/30/86-01/30/86	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	01/30/86-01/30/86	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/30/86-01/30/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/30/86-01/30/86	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/30/86-01/30/86	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/30/86-01/30/86	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/30/86-01/30/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/30/86-01/30/86	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/86-01/30/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/86-01/30/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/30/86-01/30/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/30/86-01/30/86	1	290.	290.	290.	290.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/30/86-01/30/86	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/30/86-01/30/86	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/30/86-01/30/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39055	SIMAZINE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	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

Parameter Inventory for Station: GOGA0321

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39056	PROMETONE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/30/86-01/30/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/30/86-01/30/86	1	134.	134.	134.	134.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/30/86-01/30/86	1	121.	121.	121.	121.	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/30/86-01/30/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/30/86-01/30/86	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: GOGA0321

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	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	Fresh Chronic	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	FLUORIDE, 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			
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.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00							1	1	1.00			
		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			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	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: GOGA0322

NPS Station ID: GOGA0322 LAT/LON: 37.862889/-122.570648 Agency: 11NPSWRD Date Created: 07/18/98
Location: GREEN GULCH CREEK ABOVE BANDUCCI'S LOWER PASTURE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_PWA_5
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT GREEN GULCH CREEK AT THE UPPER END OF BANDUCCI'S LOWER PASTURE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED TWICE DURING A STORM ON 13-14 DECEMBER 1993. THE RESULTS ARE IN "ANALYSIS OF LAND USE IMPACTS ON WATER QUALITY AND QUANTITY IN REDWOOD CREEK" BY ROBERT W. SCHANZ; JOAN FLORSHEIM; AND PHILIP B. WILLIAMS (PREPARED FOR THE NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA; JANUARY 1995). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0322

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	2	72.	72.	130.	14.	6728.	82.024	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/93-12/14/93	2	1.55	1.55	1.6	1.5	0.005	0.071	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/93-12/14/93	2	0.22	0.22	0.29	0.15	0.01	0.099	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	1	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	1	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0322

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00				2	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	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: GOGA0323

NPS Station ID: GOGA0323
LAT/LON: 37.863055/-122.574171
Agency: 11NPSWRD
Date Created: 07/18/98
Location: REDWOOD CREEK AT MUIR BEACH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GOGA_USGS_RCMB /11460152
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT REDWOOD CREEK 1000 FEET UPSTREAM FROM BIG LAGOON; AND 1.7 MILES SW OF TAMALPAIS VALLEY. THIS SITE IS LOCATED OUTSIDE OF THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA). THE DATA ARE FROM A REPORT BY MARY ANN MADEJ; "ANALYSIS OF USGS WATER QUALITY DATA 1986-1988." THE REPORT CONTAINS ADDITIONAL DATA FOR USGS STATION 11460152 THAT WERE COLLECTED AND ANALYZED BUT NOT UPLOADED TO STORET BY THE USGS. AS INDICATED IN THE REPORT; SULFATE DATA WERE UPLOADED AS DISSOLVED; AND FECAL COLIFORM DATA ARE QUESTIONABLE DUE TO PROBLEMS WITH THE CULTURES. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620).
DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0323

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/86-06/07/88	5	12.	12.1	14.	10.5	1.675	1.294	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/26/86-06/12/87	3	765.	766.667	770.	765.	8.333	2.887	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/86-06/07/88	5	0.8	21.04	73.	0.7	1004.303	31.691	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/86-06/07/88	5	226.	210.	242.	176.	946.	30.757	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/86-06/07/88	5	9.4	9.66	10.8	8.6	1.078	1.038	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/86-06/07/88	6	91.	90.	97.	80.	52.4	7.239	**	**	**	**
00400	PH (STANDARD UNITS)	06/26/86-06/07/88	5	7.5	7.58	7.9	7.3	0.067	0.259	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/26/86-06/07/88	5	7.5	7.523	7.9	7.3	0.071	0.267	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/86-06/07/88	5	0.032	0.03	0.05	0.013	0.	0.016	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/05/88-06/07/88	2	8.	8.	8.1	7.9	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/05/88-06/07/88	2	7.989	7.989	8.1	7.9	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/88-06/07/88	2	0.01	0.01	0.013	0.008	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/86-06/07/88	5	79.	71.8	89.	47.	312.7	17.683	**	**	**	**
00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	01/05/88-06/07/88	2	67.5	67.5	89.	46.	924.5	30.406	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/31/86-06/12/87	4	69.5	67.75	84.	48.	280.25	16.741	**	**	**	**
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/31/86-06/07/88	6	84.5	82.667	109.	57.	511.467	22.616	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/26/86-06/07/88	5	0.1	0.24	0.6	0.05	0.062	0.248	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/26/86-06/07/88	5 ##	0.005	0.009	0.02	0.005	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/26/86-06/12/87	3	86.	79.333	88.	64.	177.333	13.317	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0323

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/26/86-06/12/87	3	4.	5.	9.	2.	13.	3.606	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/26/86-06/07/88	5	13.	12.1	14.	9.5	4.8	2.191	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/26/86-06/07/88	5	13.	11.62	14.	8.6	5.772	2.402	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/26/86-06/07/88	5	14.	13.4	15.	11.	3.3	1.817	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/26/86-06/12/87	3	0.7	0.667	0.7	0.6	0.003	0.058	**	**	**	**
00932	SODIUM, PERCENT	06/26/86-06/12/87	3	27.	26.667	27.	26.	0.333	0.577	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/26/86-06/07/88	5	0.8	0.8	1.	0.6	0.02	0.141	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/26/86-06/07/88	5	16.	15.4	18.	12.	4.8	2.191	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/26/86-06/07/88	5	13.	13.	13.	13.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/26/86-06/07/88	5	0.1	0.15	0.3	0.05	0.01	0.1	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/26/86-06/07/88	5	15.	15.2	16.	15.	0.2	0.447	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/26/86-06/07/88	5 ##	0.5	0.9	2.	0.5	0.425	0.652	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/26/86-06/07/88	5	30.	26.	30.	20.	30.	5.477	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/26/86-06/07/88	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/26/86-06/07/88	5	5.	12.4	40.	2.	246.3	15.694	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/26/86-06/07/88	5 ##	5.	20.	80.	5.	1125.	33.541	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/26/86-06/07/88	5	30.	57.	110.	26.	1689.	41.097	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/26/86-06/07/88	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/26/86-06/07/88	5 ##	5.	6.	10.	5.	5.	2.236	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/05/88-06/07/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/31/86-06/07/88	3	110.	2740.	8000.	110.	20750700.	4555.294	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/31/86-06/07/88	3	2.041	2.662	3.903	2.041	1.155	1.075	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			459.154								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/31/86-06/07/88	4	270.	1053.75	3600.	75.	2903022.917	1703.826	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/31/86-06/07/88	4	2.363	2.54	3.556	1.875	0.554	0.744	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			346.356								
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/26/86-06/26/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/26/86-06/26/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/26/86-06/26/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/86-06/26/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/26/86-06/26/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/26/86-06/26/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/26/86-06/26/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/26/86-06/26/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/86-06/26/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	06/26/86-06/26/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/86-06/26/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/26/86-06/07/88	5	131.	124.2	136.	107.	175.7	13.255	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/26/86-06/12/87	3	130.	126.667	140.	110.	233.333	15.275	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/31/86-06/12/87	4	0.165	0.16	0.18	0.13	0.001	0.024	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/31/86-01/05/88	2	84.5	84.5	91.	78.	84.5	9.192	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/26/86-06/07/88	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/31/86-01/05/88	2	77.5	77.5	129.	26.	5304.5	72.832	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/31/86-01/05/88	2	17.55	17.55	30.	5.1	310.005	17.607	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	06/26/86-06/26/86	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: GOGA0323

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00	3	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: GOGA0323

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	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.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	5	0	0.00	3	0	0.00	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.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	1	0.20	3	0	0.00	1	1	1.00	1	0	0.00			
		Drinking Water	1300.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5000.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	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						
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	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	2.	5	0	0.00	3	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: GOGA0324

NPS Station ID: GOGA0324
LAT/LON: 37.863050/-122.570283
Agency: 11NPSWRD
Date Created: 07/18/98
Location: GREEN GULCH AT MUIR BEACH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GOGA_USGS_GG /11460154
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT GREEN GULCH; UPSTREAM OF BRIDGE; 1.7 MILES SOUTHWEST OF TAMALPAIS VALLEY. THIS SITE IS LOCATED WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA). THE DATA ARE FROM A REPORT BY MARY ANN MADEJ; "ANALYSIS OF USGS WATER QUALITY DATA 1986-1988." THE REPORT CONTAINS ADDITIONAL DATA FOR USGS STATION 11460154 THAT WERE COLLECTED AND ANALYZED BUT NOT UPLOADED TO STORET BY THE USGS. AS INDICATED IN THE REPORT; SULFATE DATA WERE UPLOADED AS DISSOLVED; AND FECAL COLIFORM DATA ARE QUESTIONABLE DUE TO PROBLEMS WITH THE CULTURES. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/86-06/02/88	5	13.5	13.7	15.5	12.5	1.325	1.151	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/25/86-06/12/87	3	765.	766.667	770.	765.	8.333	2.887	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/25/86-06/02/88	5	0.01	0.214	1.	0.01	0.193	0.44	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/86-06/02/88	5	461.	427.4	518.	261.	9584.3	97.899	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/25/86-06/02/88	5	7.4	7.56	10.2	6.3	2.483	1.576	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/30/86-06/02/88	6	71.5	76.333	98.	60.	283.467	16.836	**	**	**	**
00400	PH (STANDARD UNITS)	06/25/86-06/02/88	5	7.4	7.48	7.6	7.4	0.012	0.11	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/25/86-06/02/88	5	7.4	7.469	7.6	7.4	0.012	0.11	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/86-06/02/88	5	0.04	0.034	0.04	0.025	0.	0.008	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/23/88-06/02/88	2	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/23/88-06/02/88	2	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/23/88-06/02/88	2	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/86-06/02/88	5	154.	141.	176.	72.	1630.	40.373	**	**	**	**
00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	03/23/88-06/02/88	2	148.	148.	154.	142.	72.	8.485	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/30/86-06/12/87	4	115.5	114.	177.	48.	4038.	63.545	**	**	**	**
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/30/86-06/02/88	6	180.5	152.667	215.	59.	4025.867	63.45	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/86-06/02/88	5	0.5	0.42	0.8	0.05	0.126	0.355	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/25/86-06/02/88	5 ##	0.005	0.008	0.02	0.005	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/86-06/12/87	3	160.	140.	180.	80.	2800.	52.915	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/25/86-06/12/87	3	3.	3.667	8.	0.	16.333	4.041	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/86-06/02/88	5	31.	28.8	36.	16.	57.7	7.596	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/86-06/02/88	5	20.	17.54	21.	9.7	21.458	4.632	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/25/86-06/02/88	5	38.	34.2	40.	21.	61.7	7.855	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/25/86-06/12/87	3	1.	1.	1.	1.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/25/86-06/12/87	3	34.	34.333	36.	33.	2.333	1.528	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/25/86-06/02/88	5	1.3	1.22	1.5	0.9	0.067	0.259	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/86-06/02/88	5	42.	40.6	50.	22.	122.8	11.082	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/86-06/02/88	5	24.	22.4	26.	19.	10.3	3.209	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/25/86-06/02/88	5	0.1	0.16	0.3	0.1	0.008	0.089	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/25/86-06/02/88	5	13.	12.	13.	10.	2.	1.414	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/25/86-06/02/88	5 ##	0.5	0.8	2.	0.5	0.45	0.671	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/25/86-06/02/88	5	80.	78.	110.	40.	670.	25.884	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/25/86-06/02/88	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/25/86-06/02/88	5 ##	5.	3.5	5.	0.5	4.5	2.121	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/25/86-06/02/88	5 ##	5.	9.	20.	5.	42.5	6.519	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/25/86-06/02/88	5	35.	56.	120.	32.	1428.5	37.796	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/25/86-06/02/88	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/25/86-06/02/88	5 ##	5.	7.	10.	5.	7.5	2.739	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	03/23/88-06/02/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/30/86-06/02/88	2	196.5	196.5	370.	23.	60204.5	245.366	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/30/86-06/02/88	2	1.965	1.965	2.568	1.362	0.728	0.853	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			92.25								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/30/86-06/02/88	4	225.	247.5	390.	150.	11091.667	105.317	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/30/86-06/02/88	4	2.347	2.365	2.591	2.176	0.032	0.18	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			231.857								
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/07/86-07/07/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/07/86-07/07/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/25/86-06/02/88	5	251.	239.8	292.	146.	3088.2	55.572	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/25/86-06/12/87	3	270.	233.333	290.	140.	6633.333	81.445	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/30/86-06/12/87	4	0.28	0.285	0.4	0.18	0.012	0.111	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/30/86-01/30/86	1	91.	91.	91.	91.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/25/86-06/02/88	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/30/86-03/23/88	2	18.	18.	32.	4.	392.	19.799	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/30/86-03/23/88	2	0.43	0.43	0.86	0.	0.37	0.608	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	07/07/86-07/07/86	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: GOGA0324

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	3	0	0.00				2	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00	3	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	5	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: GOGA0324

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	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.	5	0	0.00	3	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	5	0	0.00	3	0	0.00				2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	50.	5	0	0.00	3	0	0.00				2	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.	5	0	0.00	3	0	0.00				2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	1	0.20	3	0	0.00				2	1	0.50			
		Drinking Water	1300.	5	0	0.00	3	0	0.00				2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	15.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	5000.	5	0	0.00	3	0	0.00				2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	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			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	2	1	0.50	1	0	0.00				1	1	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	2.	5	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: GOGA0325

NPS Station ID: GOGA0325
LAT/LON: 37.863334/-122.395004
Agency: 11EPAMW
Date Created: 07/28/78
Location: N SAN FRANCISCO
FIPS State/County: 06992 CALIFORNIA/
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 7408 /NSF8
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: PACIFIC OCEAN
Elevation: 0
Water Body Id:
Minor Basin: PACIFIC OCEAN
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0325

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: GOGA0326

NPS Station ID: GOGA0326 LAT/LON: 37.863278/-122.573624 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK AT PACIFIC WAY BRIDGE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_PWA_3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK AT THE PACIFIC WAY BRIDGE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED ONCE IN DRY WEATHER ON 31 AUGUST 1993 AND TWICE DURING A STORM ON 13-14 DECEMBER 1993. THE RESULTS ARE IN "ANALYSIS OF LAND USE IMPACTS ON WATER QUALITY AND QUANTITY IN REDWOOD CREEK" BY ROBERT W. SCHANZ; JOAN FLORSHEIM; AND PHILIP B. WILLIAMS (PREPARED FOR THE NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA; JANUARY 1995). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0326

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/13/93-12/14/93	2	65.	65.	110.	20.	4050.	63.64	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	2	137.	137.	250.	24.	25538.	159.806	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/31/93-08/31/93	3	## 0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/31/93-12/14/93	5	0.02	0.211	0.55	0.005	0.073	0.27	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/31/93-12/14/93	5	0.013	0.123	0.45	0.005	0.037	0.192	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	4	1660.	1565.	2400.	540.	953700.	976.576	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	4	3.172	3.114	3.38	2.732	0.103	0.321	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1300.622								

** - Less than 9 observations ## - 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: GOGA0326

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	3	0	0.00	2	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	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

Station Inventory for Station: GOGA0327

NPS Station ID: GOGA0327 LAT/LON: 37.863469/-122.573976 Agency: 11NPSWRD Date Created: 07/11/98
Location: REDWOOD CREEK AT PACIFIC WAY BRIDGE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB97_08
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK AT PACIFIC WAY BRIDGE APPROXIMATELY 1/4 MILE NORTHEAST OF MUIR BEACH AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 24 OCTOBER 1996 THROUGH 2 MARCH 1997 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0327

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-03/02/97	4	12.55	12.175	12.9	10.7	1.036	1.018	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/24/96-03/02/97	3	9.	7.	11.	1.	28.	5.292	**	**	**	**
00065	STAGE, STREAM (FEET)	10/24/96-03/02/97	3	0.2	0.19	0.2	0.17	0.	0.017	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-03/02/97	4	160.	160.5	230.	92.	3441.	58.66	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-03/02/97	4	9.95	9.7	11.2	7.7	2.5	1.581	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-03/02/97	4	93.5	90.5	100.	75.	144.333	12.014	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/24/96-03/02/97	4	7.5	7.525	7.7	7.4	0.016	0.126	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/24/96-03/02/97	4	7.5	7.512	7.7	7.4	0.016	0.127	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/96-03/02/97	4	0.032	0.031	0.04	0.02	0.	0.008	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-03/02/97	4	4.5	20.25	70.	2.	1101.583	33.19	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/96-03/02/97	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	3	2400.	2133.333	2400.	1600.	213333.333	461.88	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	3	3.38	3.322	3.38	3.204	0.01	0.102	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2096.593								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	3	540.	1036.667	2400.	170.	1428233.333	1195.087	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	3	2.732	2.781	3.38	2.23	0.332	0.576	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			603.974								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-03/02/97	4	4.9	24.75	87.9	1.3	1777.217	42.157	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0327

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				2	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	3	3	1.00				3	3	1.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	3	2	0.67				3	2	0.67						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	4	1	0.25				2	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: GOGA0328

NPS Station ID: GOGA0328 LAT/LON: 37.863306/-122.573920 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK AT PACIFIC WAY BRIDGE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_NPS_6
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK AT PACIFIC WAY BRIDGE AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 28 OCTOBER 1997 THROUGH 18 MARCH 1998 IN ORDER TO DETERMINE THE EFFECT OF GOLDEN GATE DAIRY STABLES ON THE REDWOOD CREEK WATERSHED. THE RESULTS ARE IN "WINTER 1997-1998 WATER QUALITY MONITORING AT GOLDEN GATE TRIBUTARY" BY DARREN FONG AND LEANNE CANEVARO (NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA-DIVISION OF RESOURCE MANAGEMENT AND PLANNING; JUNE 1998). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0328

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-01/12/98	4	10.5	10.75	13.	9.	2.917	1.708	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/28/97-12/11/97	4	12.	19.85	55.	0.4	581.69	24.118	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/26/97-03/18/98	5	198.	175.6	210.	100.	2006.8	44.797	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/26/97-01/12/98	4	9.	9.225	10.1	8.8	0.376	0.613	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/26/97-03/18/98	5	7.8	7.7	7.9	7.4	0.04	0.2	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/26/97-03/18/98	5	7.8	7.661	7.9	7.4	0.042	0.205	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/26/97-03/18/98	5	0.016	0.022	0.04	0.013	0.	0.011	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/26/97-01/12/98	4	75.	200.	600.	50.	71666.667	267.706	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/03/95-02/02/98	10	1600.	2100.	5400.	1100.	1497777.778	1223.837	1150.	1600.	2400.	5100.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/03/95-02/02/98	10	3.204	3.279	3.732	3.041	0.035	0.186	3.058	3.204	3.38	3.697
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1899.004								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/03/95-02/02/98	11	920.	1013.909	2400.	13.	782424.091	884.547	26.4	170.	1600.	2400.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/03/95-02/02/98	11	2.964	2.697	3.38	1.114	0.502	0.709	1.272	2.23	3.204	3.38
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			498.283								

** - Less than 9 observations ## - 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: GOGA0328

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				4	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00				4	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00				4	0	0.00	1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	10	10	1.00	2	2	1.00	6	6	1.00	2	2	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	11	8	0.73	2	0	0.00	7	6	0.86	2	2	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: GOGA0329

NPS Station ID: GOGA0329
LAT/LON: 37.863614/-122.574180
Agency: 112WRD
Date Created: 06/20/87
Location: REDWOOD CREEK @ HWY 1 CALIF
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 375149122342701
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 3.50
On/Off RF1:
RF3 Index: 18050005018100.21
RF3 Mile Point: 0.41
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0329

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/86-01/31/86	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	01/31/86-01/31/86	1	755.	755.	755.	755.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/31/86-01/31/86	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/86-01/31/86	1	155.	155.	155.	155.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/31/86-01/31/86	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/31/86-01/31/86	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/31/86-01/31/86	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/86-01/31/86	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/31/86-01/31/86	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/31/86-01/31/86	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/86-01/31/86	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/31/86-01/31/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/31/86-01/31/86	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/31/86-01/31/86	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/31/86-01/31/86	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/31/86-01/31/86	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/31/86-01/31/86	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	01/31/86-01/31/86	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	01/31/86-01/31/86	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/31/86-01/31/86	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/86-01/31/86	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/86-01/31/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/31/86-01/31/86	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/86-01/31/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/31/86-01/31/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/31/86-01/31/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/31/86-01/31/86	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/31/86-01/31/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/31/86-01/31/86	1	86.	86.	86.	86.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/31/86-01/31/86	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/31/86-01/31/86	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/31/86-01/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39055	SIMAZINE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	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

Parameter Inventory for Station: GOGA0329

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39056	PROMETONE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/31/86-01/31/86	1	92.	92.	92.	92.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/31/86-01/31/86	1	97.	97.	97.	97.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/31/86-01/31/86	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: GOGA0329

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	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	Fresh Chronic	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	FLUORIDE, 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			
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	1	1.00							1	1	1.00			
		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.	0 &	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			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	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: GOGA0330

NPS Station ID: GOGA0330
Location: RICHARDSON BAY BUOY 8
Station Type: /TYPA/AMBNT/OCEAN
RMI-Indexes:
RMI-Miles:
HUC: 18050002
Major Basin: SAN FRANCISCO BAY
Minor Basin: RICHARDSON BAY
RF1 Index: 18050002036
RF3 Index: 18050002003621.09
Description:

LAT/LON: 37.863886/-122.472237

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 10.210
RF3 Mile Point: 21.09

Agency: 1110DFID
FIPS State/County: 06000 CALIFORNIA/
STORET Station ID(s): 720227
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.50

Date Created: / /

On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: GOGA0330

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0331

NPS Station ID: GOGA0331 LAT/LON: 37.864503/-122.573254 Agency: 11NPSWRD Date Created: 07/18/98
Location: DRAINAGE DITCH IN FRONT OF TINKER'S STABLES FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /CANAL/TYPA/AMBNT STORET Station ID(s): GOGA_PWA_7
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE DRAINAGE DITCH IN FRONT OF TINKER'S STABLES AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED TWICE DURING A LARGE STORM EVENT ON 13-14 DECEMBER 1993. THE RESULTS ARE IN "ANALYSIS OF LAND USE IMPACTS ON WATER QUALITY AND QUANTITY IN REDWOOD CREEK" BY ROBERT W. SCHANZ; JOAN FLORSHEIM; AND PHILIP B. WILLIAMS (PREPARED FOR THE NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA; JANUARY 1995). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0331

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	2	534.	534.	990.	78.	415872.	644.881	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/93-12/14/93	2	1.35	1.35	1.4	1.3	0.005	0.071	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/93-12/14/93	2	2.705	2.705	4.8	0.61	8.778	2.963	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	1	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/14/93-12/14/93	1	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0331

				Total	Exceed	Prop.	5/15-10/09			10/10-1/14			1/15-5/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00				2	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	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: GOGA0332

NPS Station ID: GOGA0332 LAT/LON: 37.864467/-122.573254 Agency: 11NPSWRD Date Created: 07/18/98
Location: GOLDEN GATE DAIRY BELOW HIGHWAY 1 CULVERT FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_NPS_9
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A TRIBUTARY OF REDWOOD CREEK AT GOLDEN GATE DAIRY BELOW HIGHWAY 1 CULVERT AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED FROM 19 NOVEMBER 1997 THROUGH 31 MARCH 1998 IN ORDER TO DETERMINE THE EFFECT OF GOLDEN GATE DAIRY STABLES ON THE REDWOOD CREEK WATERSHED. THE RESULTS ARE IN "WINTER 1997-1998 WATER QUALITY MONITORING AT GOLDEN GATE TRIBUTARY" BY DARREN FONG AND LEANNE CANEVARO (NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA-DIVISION OF RESOURCE MANAGEMENT AND PLANNING; JUNE 1998). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0332

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-03/31/98	9	12.	10.833	14.	4.	8.312	2.883	4.	9.75	12.25	14.
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/26/97-02/17/98	4	0.75	1.7	5.	0.3	4.927	2.22	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/31/98	10	203.5	271.7	640.	90.	30475.567	174.573	92.	140.	405.	621.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-03/31/98	8	9.2	9.1	10.4	7.4	1.76	1.327	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/31/98	10	7.4	7.525	8.1	7.	0.108	0.329	7.02	7.35	7.8	8.07
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/19/97-03/31/98	10	7.4	7.42	8.1	7.	0.121	0.347	7.02	7.35	7.8	8.07
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/97-03/31/98	10	0.04	0.038	0.1	0.008	0.001	0.027	0.009	0.016	0.046	0.096
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-03/31/98	17	100.	300.206	1360.	2.5	175486.658	418.911	14.9	50.	500.	1064.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/13/97-02/23/98	12 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/93-12/11/97	4	1.75	2.4	4.8	1.3	2.687	1.639	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/93-12/11/97	4	0.375	1.408	4.8	0.08	5.171	2.274	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	12/14/93-02/02/98	13	1600.	2801.538	16000.	10.	16617547.436	4076.463	202.	1010.	2400.	11000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	12/14/93-02/02/98	13	3.204	3.118	4.204	1.	0.533	0.73	1.676	2.983	3.38	3.94
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1312.958								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/14/93-02/02/98	14	1600.	1847.857	10000.	20.	6425095.055	2534.777	30.	280.	2400.	6200.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/14/93-02/02/98	14	3.204	2.856	4.	1.301	0.579	0.761	1.452	2.417	3.38	3.69
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			718.618								

** - Less than 9 observations ## - 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: GOGA0332

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	8	0	0.00				5	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	10	0	0.00				5	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00				5	0	0.00	5	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00				4	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	13	10	0.77				10	8	0.80	3	2	0.67			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	14	11	0.79				11	9	0.82	3	2	0.67			

& - 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: GOGA0333

NPS Station ID: GOGA0333
LAT/LON: 37.864359/-122.573505
Agency: 11NPSWRD
Date Created: 07/11/98
Location: TINKER STABLE CULVERT RUNOFF
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM/RUNOFF
STORET Station ID(s): GOGA_ICB97_08B
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS THE RUNOFF FROM THE TINKER STABLE CULVERT APPROXIMATELY 1/2 MILE NORTHEAST OF MUIR BEACH AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 24 OCTOBER 1996 TO 25 JANUARY 1997 AND WERE ANALYZED FOR CHEMICAL AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0333

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/97-01/25/97	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/25/97-01/25/97	1	0.84	0.84	0.84	0.84	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/25/97-01/25/97	1	0.095	0.095	0.095	0.095	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/29/96-11/21/96	2	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/29/96-11/21/96	2	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2400.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/29/96-11/21/96	2	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/29/96-11/21/96	2	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0333

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	2	1.00				2	2	1.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	2	1.00				2	2	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: GOGA0334

NPS Station ID: GOGA0334 LAT/LON: 37.865273/-122.398626 Agency: 21CAL-82 Date Created: 02/15/86
Location: N SF BAY 1800 YDS EAST OF ANGEL ISLAND. FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): RSAC010 /MWT208
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 45 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
LOCATION NORTH SF BAY 1800 YDS EAST OF ANGEL ISLAND. HISTORY-ESTABLISHED 1968 FOR MONITORING YOUNG STRIPED BASS FALL-WINTER

ABUNDANCE. SAMPLING NOT DONE IN 1974,NOR SINCE 1978. DATA TYPES- EC, SECCHI,TEMPERATURE,(STATION DEPTH, BOAT SPEED,TIME OF TOW (FOR SOME RECENT YEARS)),NUMBER OF FISH CAUGHT BY SPECIES. SAMPLING TECHNIQUES- 12FTX12FT MIDWATER TRAWL WITH VARIABLE MESH. OBLIQUE TOWS FOR 12 MINUTES. SAMPLING DONE WITHOUT RESPECT TO TIDAL STAGE OR DIRECTION OF FLOW.
FOR TECHNICAL DETAILS CONTACT CALIF FISH AND GAME 209-466-4421

Parameter Inventory for Station: GOGA0334

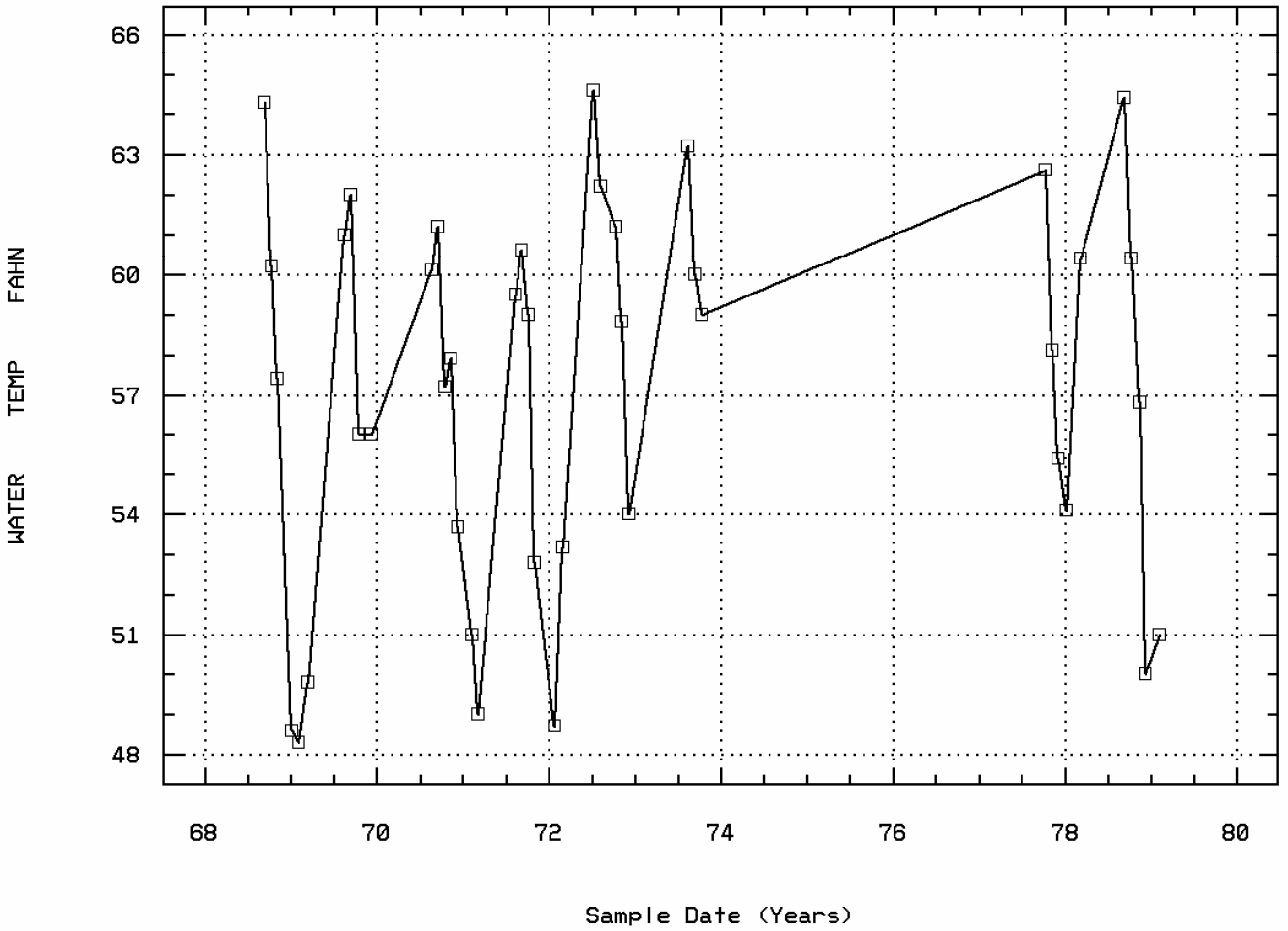
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-02/07/79	41	58.1	57.163	64.6	48.3	23.486	4.846	49.16	53.45	60.8	63.08
00078p	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-02/07/79	41	1.	1.221	2.2	0.36	0.226	0.476	0.7	0.99	1.65	2.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-02/07/79	41	39600.	38120.756	49594.	8520.	72648326.089	8523.399	28280.4	35048.	44668.	47304.
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/11/78-02/07/79	5	25.	25.	30.	20.	12.5	3.536	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0334 Parameter Code: 00011

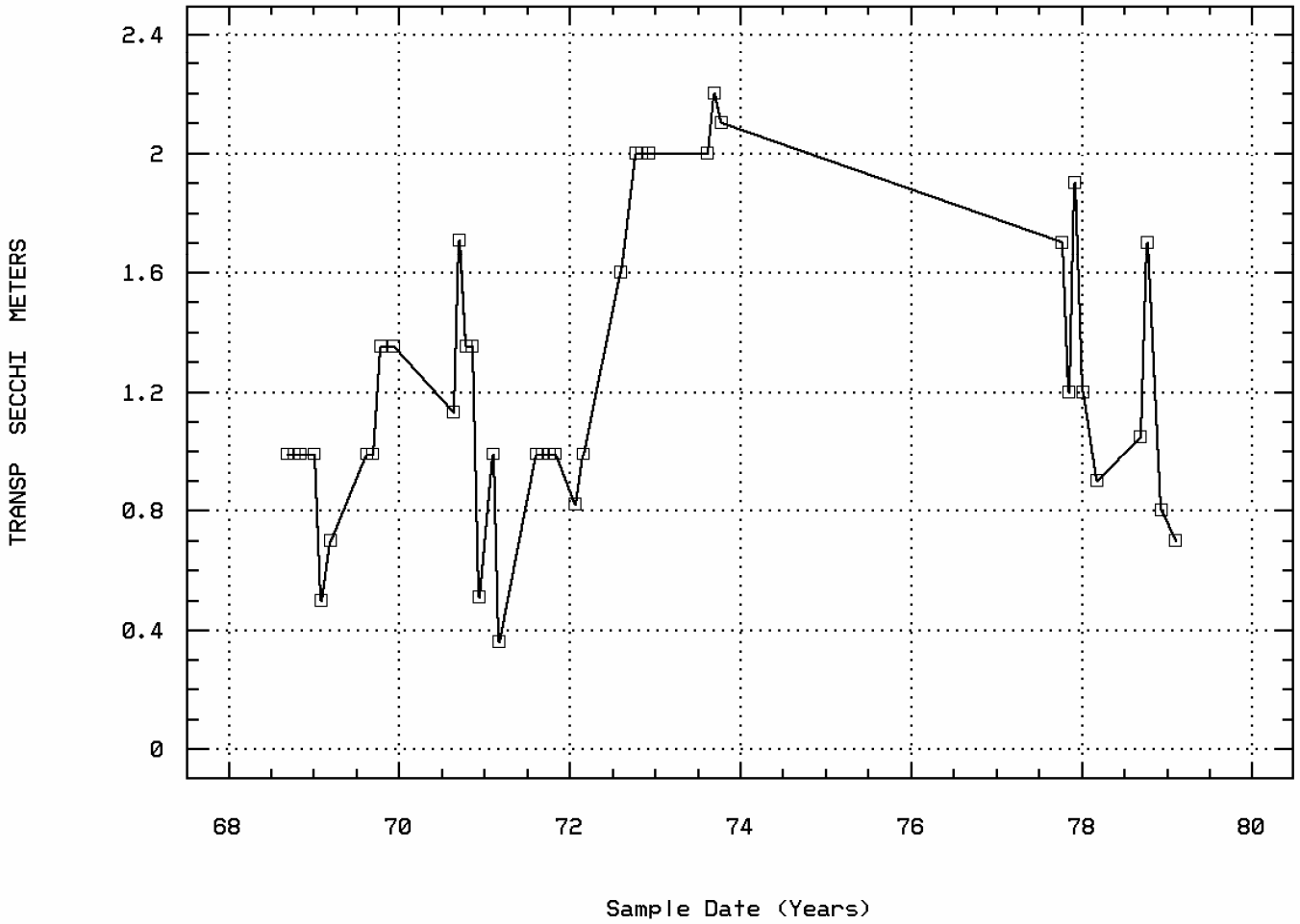
TEMPERATURE, WATER (DEGREES FAHRENHEIT)



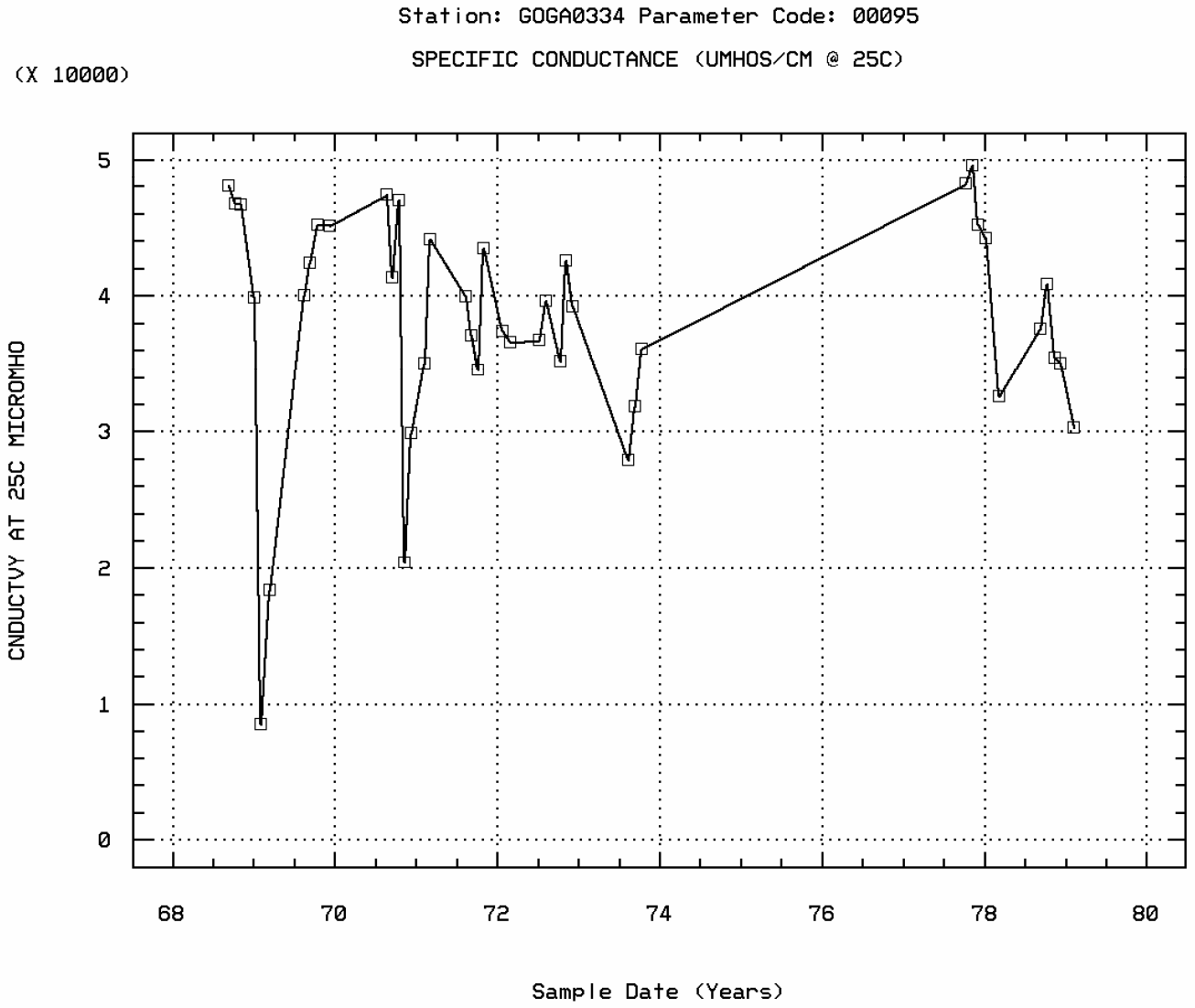
N SF BAY 1800 YDS EAST OF ANGEL ISLAND.

Station: GOGA0334 Parameter Code: 00078

TRANSPARENCY, SECCHI DISC (METERS)



N SF BAY 1800 YDS EAST OF ANGEL ISLAND.



N SF BAY 1800 YDS EAST OF ANGEL ISLAND.

Station Inventory for Station: GOGA0335

NPS Station ID: GOGA0335 LAT/LON: 37.865278/-122.575898 Agency: 11NPSWRD Date Created: 07/11/98
Location: REDWOOD CREEK 1 KM FROM OCEAN AT MUIR BEACH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_F178_1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK APPROXIMATELY 1 KM FROM THE OCEAN AT MUIR BEACH NEAR THE TELEPHONE POLE BETWEEN HIGHWAY 1 BRIDGE AND MUIR BEACH BRIDGE AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED 14 FEBRUARY 1988 AND 10 APRIL 1988. THE RESULTS ARE IN "SPAWNING AND REARING OF SALMONIDS IN REDWOOD CREEK; MARIN COUNTY; CALIFORNIA" BY JAMES S. FERRIS (DEPARTMENT OF FORESTRY AND RESOURCE MANAGEMENT-UNIVERSITY OF CALIFORNIA AT BERKELEY-FORESTRY 178 PROJECT; 1 MAY 1988). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0335

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/88-04/10/88	2	11.5	11.5	12.	11.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/14/88-04/10/88	2	9.	9.	10.	8.	2.	1.414	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/14/88-04/10/88	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/14/88-04/10/88	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/88-04/10/88	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
81380	VELOCITY OF DISCHARGE, METERS/SECOND	02/14/88-04/10/88	2	0.95	0.95	1.1	0.8	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: GOGA0335

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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

Station Inventory for Station: GOGA0336

NPS Station ID: GOGA0336 | LAT/LON: 37.865421/-122.572816 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: TINKER STABLE DIRECT RUNOFF | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM/RUNOFF | STORET Station ID(s): GOGA_ICB97_08A
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS THE RUNOFF FROM TINKER STABLES APPROXIMATELY 1/2 MILE NORTHEAST OF MUIR BEACH AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. ONE SAMPLE WAS TAKEN AT THIS SITE ON 21 NOVEMBER 1996 AND WAS ANALYZED FOR TOTAL AND FECAL COLIFORM. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0336

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/21/96-11/21/96	1	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	11/21/96-11/21/96	1	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2400.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/21/96-11/21/96	1	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	11/21/96-11/21/96	1	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0336

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	1	1.00				1	1	1.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	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: GOGA0337

NPS Station ID: GOGA0337 | LAT/LON: 37.865420/-122.572737 | Agency: 11NPSWRD | Date Created: 07/18/98
Location: GOLDEN GATE DAIRY BELOW HORSE PADDOCK | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_NPS_8
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A TRIBUTARY OF REDWOOD CREEK AT GOLDEN GATE DAIRY BELOW THE HORSE PADDOCK AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED FROM 19 NOVEMBER 1997 THROUGH 31 MARCH 1998 IN ORDER TO DETERMINE THE EFFECT OF GOLDEN GATE DAIRY STABLES ON THE REDWOOD CREEK WATERSHED. THE RESULTS ARE IN "WINTER 1997-1998 WATER QUALITY MONITORING AT GOLDEN GATE TRIBUTARY" BY DARREN FONG AND LEANNE CANEVARO (NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA-DIVISION OF RESOURCE MANAGEMENT AND PLANNING; JUNE 1998). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0337

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/19/97-03/31/98	10	12.	11.	14.	3.	9.611	3.1	3.6	10.5	12.625	13.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/31/98	10	210.	273.5	655.	90.	31244.722	176.762	92.	140.	405.	634.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-03/31/98	8	9.4	8.325	10.6	4.4	6.548	2.559	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/31/98	10	7.8	7.52	7.95	6.6	0.243	0.493	6.615	7.088	7.825	7.945
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/19/97-03/31/98	10	7.8	7.219	7.95	6.6	0.344	0.587	6.615	7.087	7.825	7.945
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/97-03/31/98	10	0.016	0.06	0.251	0.011	0.007	0.084	0.011	0.015	0.092	0.244
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/97-03/31/98	10	50.	192.5	1000.	25.	100562.5	317.116	27.5	50.	200.	950.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/97-02/17/98	6 ##	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: GOGA0337

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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	Other-Lo Lim.	4.	8	0	0.00				5	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	10	0	0.00				5	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00				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: GOGA0338

NPS Station ID: GOGA0338 LAT/LON: 37.866384/-122.577449 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK DOWNSTREAM OF BANDUCCI'S FARM FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_PWA_2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK APPROXIMATELY 1/2 MILE DOWNSTREAM OF BANDUCCI'S FARM AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED ONCE IN DRY WEATHER ON 31 AUGUST 1993 AND TWICE DURING A STORM ON 13-14 DECEMBER 1993. THE RESULTS ARE IN "ANALYSIS OF LAND USE IMPACTS ON WATER QUALITY AND QUANTITY IN REDWOOD CREEK" BY ROBERT W. SCHANZ; JOAN FLORSHEIM; AND PHILIP B. WILLIAMS (PREPARED FOR THE NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA; JANUARY 1995). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0338

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/13/93-12/14/93	2	65.	65.	110.	20.	4050.	63.64	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	2 ##	106.25	106.25	210.	2.5	21528.125	146.725	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/31/93-08/31/93	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/31/93-12/14/93	5	0.02	0.241	0.62	0.005	0.099	0.315	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/31/93-12/14/93	5	0.094	0.111	0.28	0.005	0.014	0.117	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	4	390.	830.	2400.	140.	1124400.	1060.377	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	4	2.556	2.66	3.38	2.146	0.289	0.537	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			456.81								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0338

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	3	0	0.00	2	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	3	0.75	3	2	0.67	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: GOGA0339

NPS Station ID: GOGA0339 LAT/LON: 37.866663/-122.354731 Agency: 21CAL-84 Date Created: 02/15/86
Location: SAN FRANCISCO BAY 3.5KM WEST OF BERKELEY HBR FIPS State/County: 06001 CALIFORNIA/ALAMEDA
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): LSFB05 /212
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
LOCATION-SAN FRANCISCO BAY SHALLOWS APPROX 3.5KM WEST OF THE BERKELEY YACHT HARBOUR ENTRANCE.
HISTORY-ESTABLISHED JAN 1980 FOR MONITORING FISH AND CRUSTACEANS IN SF BAY AND THE WEST DELTA. SAMPLED MONTHLY 1980 TO PRESENT (CURRENT).
DATA TYPES-WATER TEMPERATURE AND EC, TIDE STAGE AND DIRECTION, STATION DEPTH, START AND FINISH LAT & LON OF TOW, BEARING OF TOW, DISTANCE OF TOW, NET TYPE, NUMBER OF FISH AND INVERTEBRATES BY SPECIES WITH SIZE FREQUENCY.
SAMPLING TECHNIQUES-EACH STATION IS TOWED WITH A 3M X 3M MIDWATER TRAWL, A 1M X 3M OTTER TRAWL AND A .5M DIA 505 MICRON EGG AND LARUAL NET.
TOWS ARE 5 AND 6 MINUTE DURATION AND TAKEN WITHOUT RESPECT TO TIDE STAGE OR DIRECTION. MIDWATER TRAWLS AND E & L TOWS ARE OBLIQUE.
FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH & GAME (209) 466-4421.

Parameter Inventory for Station: GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	245	14.7	14.856	21.3	8.6	7.882	2.808	11.1	12.7	17.3	18.34
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	94	0.85	0.924	2.4	0.3	0.124	0.352	0.5	0.7	1.15	1.39
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	244	40700.	38844.934	51000.	8810.	82004737.222	9055.647	26100.	35000.	46300.	48156.

** - Less than 9 observations ## - 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 1980 - Station GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	11	14.5	14.864	17.6	11.	4.711	2.17	11.28	13.1	16.7	17.54
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	11	0.85	1.114	2.4	0.58	0.337	0.581	0.604	0.7	1.5	2.3
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	11	38073.	35367.545	48800.	12500.	117626709.273	10845.585	14538.4	27384.	44226.	48040.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	30	14.	14.167	18.	11.2	2.792	1.671	11.78	13.225	14.875	16.7
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	0.915	0.973	1.4	0.7	0.057	0.24	0.7	0.8	1.225	1.37
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	30	42650.	42532.	49230.	31900.	27603416.552	5253.895	32150.	39125.	47300.	48880.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	26	13.6	14.127	19.2	8.6	10.131	3.183	9.08	12.	16.725	19.2
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	0.8	0.813	1.15	0.47	0.051	0.226	0.494	0.597	0.988	1.15
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	25	33000.	32789.	43400.	10260.	69810735.333	8355.282	19380.	29800.	39150.	43340.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	37	16.	15.53	21.3	9.3	8.91	2.985	11.26	13.5	18.05	18.76
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	0.95	0.944	1.6	0.41	0.107	0.327	0.47	0.66	1.163	1.51
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	37	34400.	30460.27	40300.	8810.	78406574.925	8854.749	16294.	24700.	36950.	38600.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	36	13.9	14.853	18.5	10.6	6.584	2.566	11.78	12.75	17.7	18.5
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	1.125	1.043	1.4	0.5	0.096	0.309	0.53	0.778	1.3	1.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	36	41074.	39165.889	47867.	16281.	77399840.844	8797.718	27097.7	34325.	46975.	47644.7

** - 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 1985 - Station GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	36	15.2	14.667	19.3	9.1	11.89	3.448	10.27	10.9	18.05	19.2
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	11	1.1	1.016	1.8	0.4	0.202	0.45	0.42	0.5	1.38	1.72
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	36	47100.	45238.889	48800.	35000.	16660158.73	4081.686	38180.	43050.	48000.	48450.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	33	15.8	14.939	17.8	9.7	6.039	2.457	10.58	13.15	17.1	17.6
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	0.8	0.75	1.2	0.3	0.056	0.237	0.345	0.65	0.875	1.14
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	33	40300.	37121.212	45200.	14000.	74943598.485	8656.997	19480.	36550.	42950.	44580.

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

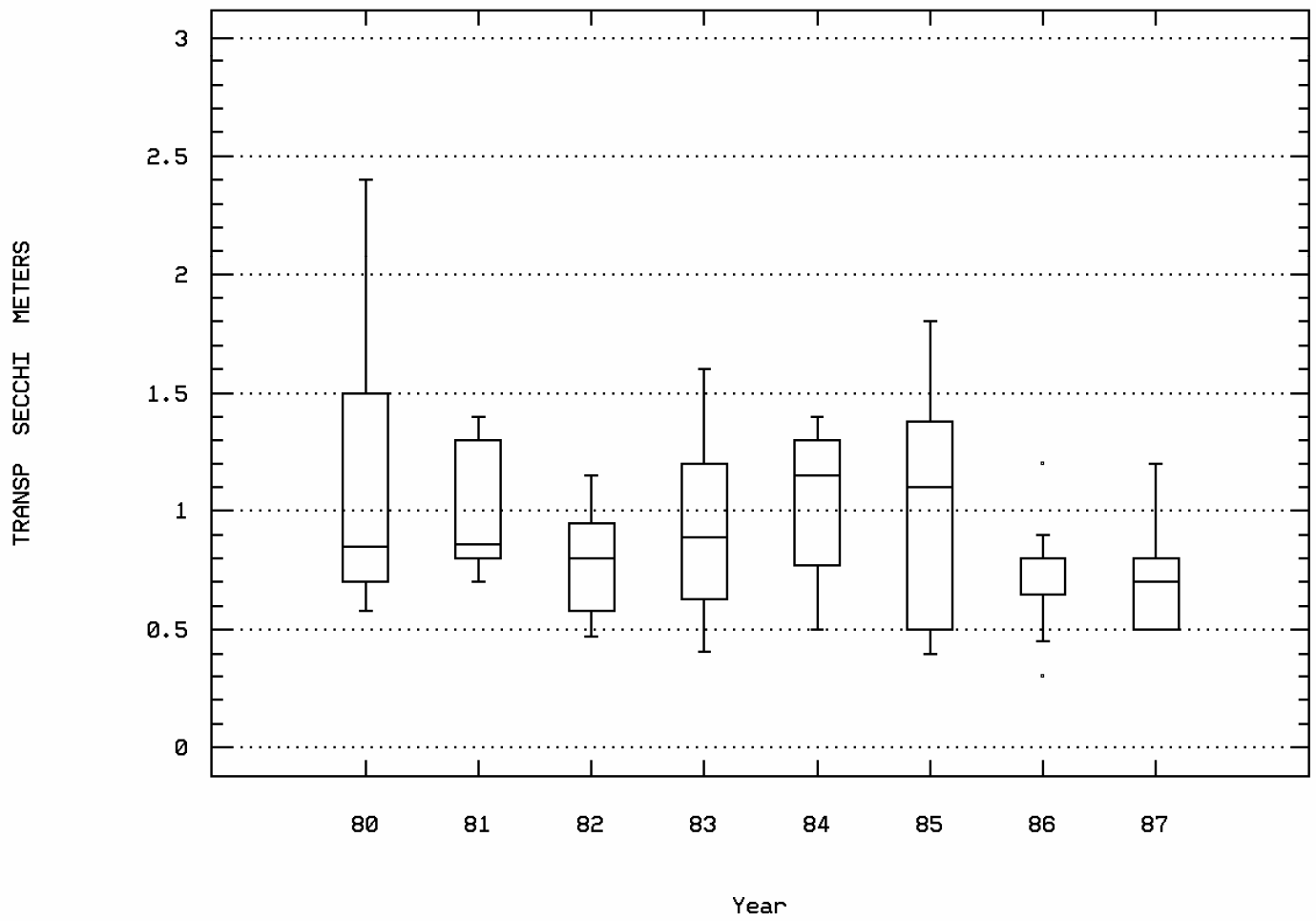
Annual Analysis for 1987 - Station GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	36	16.5	15.381	19.3	10.2	9.286	3.047	10.97	12.425	17.7	19.3
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	12	0.7	0.763	1.2	0.5	0.049	0.221	0.5	0.55	0.963	1.14
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	36	45375.	44523.167	51000.	35500.	27681003.286	5261.274	35700.	39875.	49275.	50150.

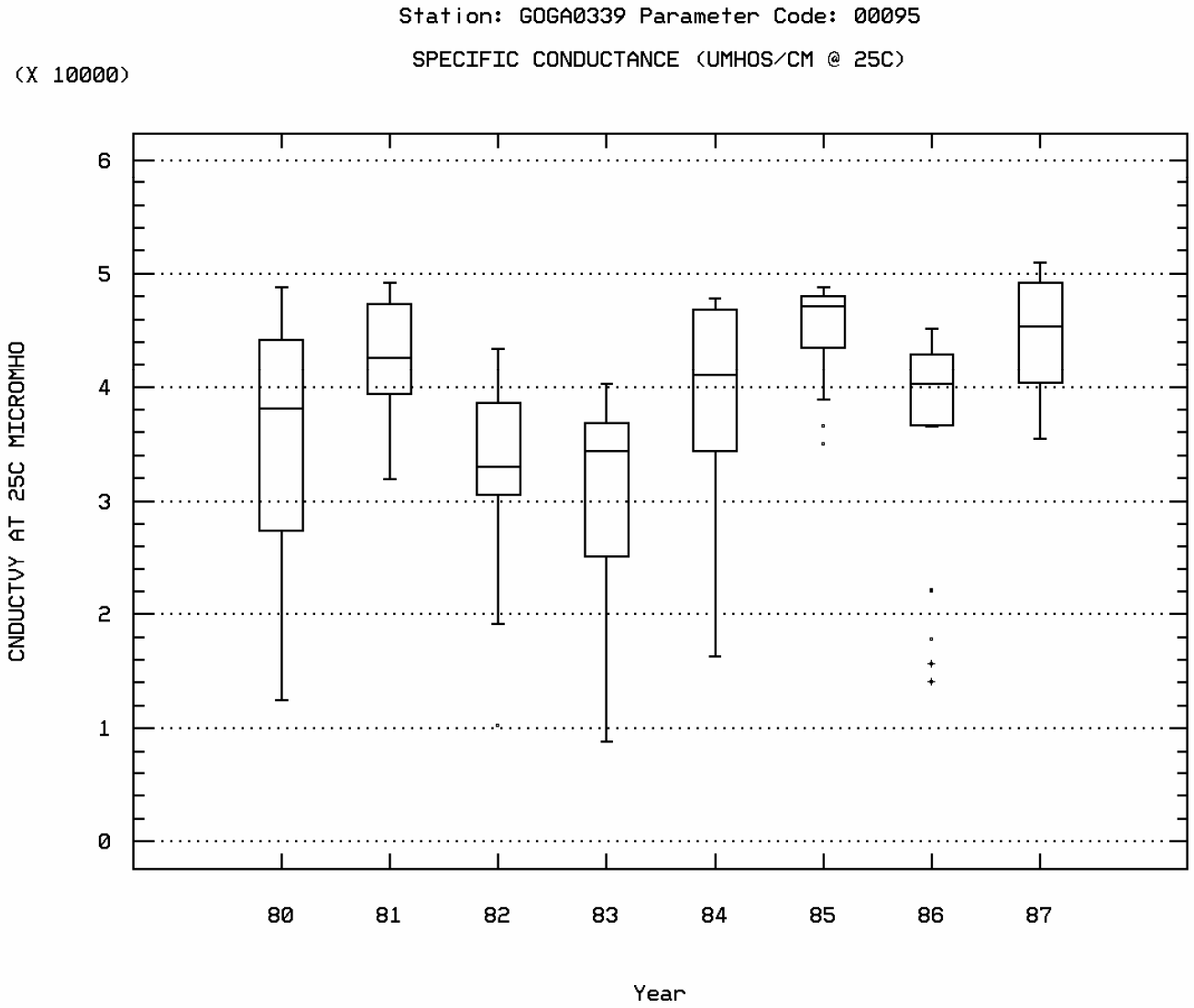
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GOGA0339 Parameter Code: 00078

TRANSPARENCY, SECCHI DISC (METERS)



SAN FRANCISCO BAY 3.5KM WEST OF BERKELE



SAN FRANCISCO BAY 3.5KM WEST OF BERKELE

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	95	17.6	17.641	21.3	13.1	1.625	1.275	16.16	16.7	18.4	19.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	38	0.835	0.943	1.6	0.4	0.097	0.312	0.5	0.738	1.2	1.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	95	45100.	43517.863	51000.	32130.	26897011.481	5186.233	36460.	38073.	47867.	49298.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	63	12.4	12.824	16.8	8.6	4.745	2.178	9.7	11.3	14.8	16.06
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	23	1.	1.079	2.4	0.5	0.183	0.428	0.552	0.8	1.3	1.66
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	63	41177.	38584.381	48900.	16281.	78374387.078	8852.931	23300.	33300.	45750.	47600.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/24/80-12/08/87	87	13.5	13.287	17.7	9.1	3.083	1.756	10.78	12.3	14.1	15.56
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/24/80-12/08/87	33	0.7	0.794	1.8	0.3	0.086	0.293	0.482	0.605	0.95	1.13
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/24/80-12/08/87	86	35800.	33873.849	48200.	8810.	98066972.13	9902.877	17912.	28900.	41575.	44500.

** - Less than 9 observations ## - Computed 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: GOGA0340

NPS Station ID: GOGA0340
LAT/LON: 37.867056/-122.571397
Agency: 11NPSWRD
Date Created: 07/18/98
Location: GOLDEN GATE DAIRY CONTROL SITE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GOGA_NPS_7
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A TRIBUTARY OF REDWOOD CREEK AT THE GOLDEN GATE DAIRY CONTROL SITE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED FROM 19 NOVEMBER 1997 THROUGH 31 MARCH 1998 IN ORDER TO DETERMINE THE EFFECT OF GOLDEN GATE DAIRY STABLES ON THE REDWOOD CREEK WATERSHED. THE RESULTS ARE IN "WINTER 1997-1998 WATER QUALITY MONITORING AT GOLDEN GATE TRIBUTARY" BY DARREN FONG AND LEANNE CANEVARO (NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA-DIVISION OF RESOURCE MANAGEMENT AND PLANNING; JUNE 1998). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0340

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/19/97-03/31/98	9	12.	10.556	14.	3.	10.028	3.167	3.	9.5	12.	14.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/31/98	10	208.5	255.7	630.	70.	27162.678	164.811	74.	132.5	365.	605.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-03/31/98	8	9.8	9.925	10.8	9.2	0.388	0.623	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/31/98	10	7.725	7.695	8.2	7.	0.122	0.35	7.04	7.475	7.95	8.19
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/19/97-03/31/98	10	7.719	7.557	8.2	7.	0.144	0.379	7.04	7.475	7.95	8.19
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/97-03/31/98	10	0.019	0.028	0.1	0.006	0.001	0.027	0.006	0.011	0.034	0.094
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/97-03/31/98	10 ##	75.	187.5	1050.	25.	97951.389	312.972	27.5	50.	150.	975.

** - Less than 9 observations ## - 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: GOGA0340

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	8	0	0.00				5	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	10	0	0.00				5	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00				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: GOGA0341

NPS Station ID: GOGA0341
LAT/LON: 37.867164/-122.574011
Agency: 11NPSWRD
Date Created: 08/08/98
Location: GOLDEN GATE DAIRY WALKWAY
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /AGRI/TYPA/AMBNT/STREAM/RUNOFF
STORET Station ID(s): GOGA_NPS_CW
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CA-MARIN COUNTY 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THIS SAMPLE WAS TAKEN OF STORMWATER THAT HAD RUN THROUGH THE HORSE PADDOCK AND DOWNHILL TO THE SIDEWALK BELOW. THE SITE IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARY. DATA ARE FROM A NPS REPORT BY DARREN FONG AND LEANNE CANEVARO; "DRAFT WINTER 1997-1998 WATER QUALITY MONITORING AT GOLDEN GATE DAIRY TRIBUTARY." THIS REPORT IS PART OF A WATER QUALITY MONITORING PROGRAM "TO DETERMINE COMPLIANCE AT THE GOLDEN GATE DAIRY TRIBUTARY WITH EXISTING STATE WATER QUALITY OBJECTIVES" AND TO COMPARE SUSPENDED SOLID AND NUTRIENT AMOUNTS FROM SITES AFFECTED BY EQUESTRIAN OPERATION AND CONTROL SITES. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON; BUILDING 201 SAN FRANCISCO CA 94123-1308 (415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: GOGA0341

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/98-02/06/98	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: GOGA0342

NPS Station ID: GOGA0342 LAT/LON: 37.870335/-122.526366 Agency: 11NPSWRD Date Created: 07/11/98
Location: TENNESSEE VALLEY CREEK AT OAKWOOD CREEK FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB97_05
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT TENNESSEE VALLEY CREEK AT OAKWOOD CREEK APPROXIMATELY 1/4 MILE SOUTH OF TAMALPAIS VALLEY SCHOOL AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED FROM 24 OCTOBER 1996 TO 2 MARCH 1997 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0342

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/96-03/02/97	4	12.35	12.15	13.9	10.	2.723	1.65	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/19/96-03/02/97	3	0.6	13.933	41.	0.2	549.493	23.441	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/96-03/02/97	4	227.5	239.5	425.	78.	21464.333	146.507	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/24/96-03/02/97	4	8.25	8.675	11.	7.2	3.249	1.803	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/24/96-03/02/97	4	78.	80.	96.	68.	202.667	14.236	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/24/96-03/02/97	4	7.7	7.6	7.8	7.2	0.08	0.283	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/24/96-03/02/97	4	7.689	7.523	7.8	7.2	0.088	0.296	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/96-03/02/97	4	0.02	0.03	0.063	0.016	0.001	0.023	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/24/96-03/02/97	4	7.	66.5	251.	1.	15137.667	123.035	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/96-03/02/97	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2400.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	2000.	2000.	2400.	1600.	320000.	565.685	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	3.292	3.292	3.38	3.204	0.016	0.125	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1959.592								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/24/96-03/02/97	4	21.9	154.2	569.	4.	76544.293	276.666	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0342

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				2	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	2	1.00				2	2	1.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	2	1.00				2	2	1.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	4	1	0.25				2	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: GOGA0343

NPS Station ID: GOGA0343 LAT/LON: 37.870750/-122.583678 Agency: 11NPSWRD Date Created: 07/18/98
Location: BANDUCCI TRIB. 3/4 MILE NORTHWEST OF BIG LAGOON FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_NPS_5
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE BANDUCCI TRIBUTARY APPROXIMATELY 3/4 MILE NORTHWEST OF BIG LAGOON AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED FROM 4 DECEMBER 1997 THROUGH 31 MARCH 1998 IN ORDER TO DETERMINE THE EFFECT OF GOLDEN GATE DAIRY STABLES ON THE REDWOOD CREEK WATERSHED. THE RESULTS ARE IN "WINTER 1997-1998 WATER QUALITY MONITORING AT GOLDEN GATE TRIBUTARY" BY DARREN FONG AND LEANNE CANEVARO (NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA-DIVISION OF RESOURCE MANAGEMENT AND PLANNING; JUNE 1998). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0343

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/97-03/31/98	7	11.	11.286	14.	9.	2.571	1.604	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/11/97-02/17/98	4	0.45	1.	3.	0.1	1.82	1.349	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/04/97-03/31/98	7	150.	170.	280.	110.	3833.333	61.914	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/04/97-03/31/98	6	10.4	9.867	10.6	8.4	0.859	0.927	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	12/04/97-03/31/98	7	7.8	7.779	8.1	7.35	0.072	0.269	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/04/97-03/31/98	7	7.8	7.705	8.1	7.35	0.079	0.281	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/97-03/31/98	7	0.016	0.02	0.045	0.008	0.	0.013	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/97-03/31/98	7	250.	500.	2500.	50.	791666.667	889.757	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/97-02/17/98	6	## 0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/97-02/17/98	6	1.25	1.183	1.6	0.5	0.158	0.397	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/97-02/17/98	6	0.095	0.256	1.2	0.005	0.215	0.464	**	**	**	**

** - 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: GOGA0343

			Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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	Other-Lo Lim.	4.	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

EPA Water Quality Criteria Analysis for Station: GOGA0343

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	7	0	0.00				3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	7	0	0.00				3	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	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: GOGA0344

NPS Station ID: GOGA0344
LAT/LON: 37.871665/-122.503345
Agency: 1114GBL
Date Created: 01/16/79
Location: TOMALES BAY-TOMALES BAY
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 0618
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 18.910
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003617.38
RF3 Mile Point: 21.49
Distance from RF3: 0.06
On/Off RF3:
Description:
DATA FROM NATIONAL PESTICIDES MONITORING PROGRAM "ORGANOCHLORINE RESIDUES IN ESTUARINE MOLLUSCS, 1965-72"
SAMPLE TAKEN FROM TOMALES BAY-TOMALES BAY IF CONTAMINENT WAS TESTED FOR BUT NOT DETECTED,
IT IS STORED AS "K5.0", MEANING "LESS THAN THE DETECTION LIMIT OF 5". IF A TRACE OF THE CONTAMINENT HAS BEEN
DETECTED, IT IS STORED AS "J7.5", MEANING "APPROXIMATELY 7.5", BUT ACTUALLY MEANING "BETWEEN 5 AND 10 PPB".

Parameter Inventory for Station: GOGA0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	84	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	01/01/66-02/01/72	18	11.	9.389	22.	2.5	31.575	5.619	2.5	2.5	12.5	14.8
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-02/01/72	18 ##	2.5	5.139	14.	2.5	19.524	4.419	2.5	2.5	11.	12.2
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-02/01/72	27 ##	2.5	5.722	18.	2.5	20.622	4.541	2.5	2.5	10.	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 time series plot

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

Annual Analysis for 1966 - Station GOGA0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	12	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 box-and-whisker plot

Annual Analysis for 1967 - Station GOGA0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	12	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 box-and-whisker plot

Annual Analysis for 1968 - Station GOGA0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	12	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 box-and-whisker plot

Annual Analysis for 1969 - Station GOGA0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	12	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 box-and-whisker plot

Annual Analysis for 1970 - Station GOGA0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	12	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 box-and-whisker plot

Annual Analysis for 1971 - Station GOGA0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	12	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 box-and-whisker plot

Annual Analysis for 1972 - Station GOGA0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	12	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 box-and-whisker plot

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	35	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-02/01/72	11 ##	2.5	4.864	18.	2.5	28.905	5.376	2.5	2.5	2.5	17.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	21	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-02/01/72	7 ##	2.5	4.643	10.	2.5	13.393	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 #3: 1/15 to 5/14 - Station GOGA0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/72	28	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-02/01/72	9	10.	7.611	11.	2.5	14.799	3.847	2.5	2.5	10.	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 box-and-whisker plot

Station Inventory for Station: GOGA0345

NPS Station ID: GOGA0345
LAT/LON: 37.871665/-122.503345
Agency: 1114GBL
Date Created: 01/16/79
Location: BOLINAS LAGOON
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 0615
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 18.910
Distance from RF1: 8.40
On/Off RF1: OFF
RF3 Index: 18050002003603.47
RF3 Mile Point: 6.85
Distance from RF3: 0.57
On/Off RF3:
Description:
DATA FROM NATIONAL PESTICIDES MONITORING PROGRAM "ORGANOCHLORINE RESIDUES IN ESTUARINE MOLLUSCS, 1965-72"
SAMPLE TAKEN FROM BOLINAS LAGOON IF CONTAMINENT WAS TESTED FOR BUT NOT DETECTED,
IT IS STORED AS "K5.0", MEANING "LESS THAN THE DETECTION LIMIT OF 5". IF A TRACE OF THE CONTAMINENT HAS BEEN
DETECTED, IT IS STORED AS "J7.5", MEANING "APPROXIMATELY 7.5", BUT ACTUALLY MEANING "BETWEEN 5 AND 10 PPB".

Parameter Inventory for Station: GOGA0345

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/68	35	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	09/01/66-01/01/68	9	10.	8.056	13.	2.5	18.215	4.268	2.5	2.5	11.	13.
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	09/01/66-01/01/68	14	13.5	11.643	21.	2.5	44.632	6.681	2.5	2.5	16.25	20.5
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	09/01/66-01/01/68	14 ##	3.125	6.661	14.	2.5	23.746	4.873	2.5	2.5	11.25	13.5

** - 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: GOGA0346

NPS Station ID: GOGA0346
LAT/LON: 37.871665/-122.503345
Agency: 1114GBL
Date Created: 01/16/79
Location: NICKS COVE-TOMALES BAY
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 0619
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 18.910
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003617.38
RF3 Mile Point: 21.49
Distance from RF3: 0.06
On/Off RF3:
Description:
DATA FROM NATIONAL PESTICIDES MONITORING PROGRAM "ORGANOCHLORINE RESIDUES IN ESTUARINE MOLLUSCS, 1965-72"
SAMPLE TAKEN FROM NICKS COVE-TOMALES BAY IF CONTAMINENT WAS TESTED FOR BUT NOT DETECTED,
IT IS STORED AS "K5.0", MEANING "LESS THAN THE DETECTION LIMIT OF 5". IF A TRACE OF THE CONTAMINENT HAS BEEN
DETECTED, IT IS STORED AS "J7.5", MEANING "APPROXIMATELY 7.5", BUT ACTUALLY MEANING "BETWEEN 5 AND 10 PPB".

Parameter Inventory for Station: GOGA0346

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	01/01/66-12/01/68	36	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
81625	P,P'-DDD IN SHELLFISH TISSUE DRY WEIGHT	01/01/66-12/01/67	15	11.	9.467	14.	2.5	20.195	4.494	2.5	2.5	13.	14.
81626	P,P'-DDE IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-12/01/67	16 ##	2.5	4.156	12.	2.5	12.857	3.586	2.5	2.5	2.5	12.
81715	P,P'-DDT IN SHELLFISH TISSUE DRY WEIGHT UG/KG	01/01/66-12/01/67	18 ##	2.5	3.444	11.	2.5	7.556	2.749	2.5	2.5	2.5	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

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

Station Inventory for Station: GOGA0347

NPS Station ID: GOGA0347
LAT/LON: 37.873668/-122.470848
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000164
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 11.060
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.14
Distance from RF3: 0.23
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED AT THE POINT OF DISCHARGE FROM THE MAIN STREET PUMP STATION BYPASS. THIS STATION IS LABELED C-7. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0347

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: GOGA0348

NPS Station ID: GOGA0348
LAT/LON: 37.873668/-122.470848
Agency: 1119REG9
Date Created: / /
Location: NEAR YELLOW BLUFF ON MARIN PENIN
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/PTRTMT/OUTFL/OCEAN
STORET Station ID(s): 6000152
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 11.060
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.98
RF3 Mile Point: 22.34
Distance from RF3: 0.13
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THE STATION IS LOCATED AT ANY POINT IN THE OUTFALL FROM THE MAIN STREET PUMPING STATION BETWEEN THE POINT OF DISCHARGE AND THE POINT AT WHICH ALL WASTE TRIBUTARY TO THAT OUTFALL IS PRESENT. THIS STATION IS LABELED E-2. THE DATA IS FROM THE SELF-MONI- TORING PROGRAM.

Parameter Inventory for Station: GOGA0348

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: GOGA0349

NPS Station ID: GOGA0349 LAT/LON: 37.874836/-122.582063 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK UPSTREAM OF BANDUCCI'S FARM FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_PWA_1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK APPROXIMATELY 1/4 MILE UPSTREAM OF BANDUCCI'S FARM AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED ONCE IN DRY WEATHER ON 31 AUGUST 1993 AND TWICE DURING A STORM ON 13-14 DECEMBER 1993. THE RESULTS ARE IN "ANALYSIS OF LAND USE IMPACTS ON WATER QUALITY AND QUANTITY IN REDWOOD CREEK" BY ROBERT W. SCHANZ; JOAN FLORSHEIM; AND PHILIP B. WILLIAMS (PREPARED FOR THE NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA; JANUARY 1995). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0349

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/13/93-12/14/93	2	65.	65.	110.	20.	4050.	63.64	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/13/93-12/14/93	2 ##	61.25	61.25	120.	2.5	6903.125	83.085	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/31/93-08/31/93	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/31/93-12/14/93	5 ##	0.005	0.217	0.56	0.005	0.085	0.291	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/31/93-12/14/93	5 ##	0.005	0.047	0.19	0.005	0.007	0.081	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	4	41.	426.25	1600.	23.	612420.917	782.573	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/31/93-12/14/93	4	1.604	1.944	3.204	1.362	0.724	0.851	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			87.829								

** - Less than 9 observations ## - 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: GOGA0349

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	3	0	0.00	2	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	1	0.25	3	0	0.00	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: GOGA0350

NPS Station ID: GOGA0350
LAT/LON: 37.875085/-122.445846
Agency: 1119REG9
Date Created: / /
Location: BETWEEN PT. TIBURON AND BLUFF PT
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000129
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 7.870
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003603.47
RF3 Mile Point: 7.54
Distance from RF3: 0.04
On/Off RF3:
Description:
SANITARY DISTRICT NO. 5 OF MARIN COUNTY, TIBURON, CALIFORNIA, MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN RACCOON STRAIT, LOCATED APPROXIMATELY 150 FEET SOUTHERLY FROM THE POINT OF DISCHARGE. THIS STATION IS LABELED C-4. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0350

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: GOGA0351

NPS Station ID: GOGA0351
LAT/LON: 37.874972/-122.582062
Agency: 11NPSWRD
Date Created: 07/11/98
Location: REDWOOD CREEK AT BANDUCCI BRIDGE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GOGA_ICB97_09
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE POINT BONITA CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK AT BANDUCCI BRIDGE APPROXIMATELY 1 MILE NORTH OF MUIR BEACH AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 24 OCTOBER 1996 THROUGH 2 MARCH 1997 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0351

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/96-03/02/97	4	11.95	11.75	12.8	10.3	1.137	1.066	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/29/96-03/02/97	3	9.	9.	9.	9.	0.	0.	**	**	**	**
00065	STAGE, STREAM (FEET)	01/25/97-01/25/97	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/29/96-03/02/97	4	160.	147.5	180.	90.	1825.	42.72	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/29/96-03/02/97	4	10.15	10.	11.	8.7	1.193	1.092	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/29/96-03/02/97	4	94.	92.	100.	80.	88.667	9.416	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/29/96-03/02/97	4	7.65	7.625	7.9	7.3	0.063	0.25	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/29/96-03/02/97	4	7.647	7.57	7.9	7.3	0.067	0.258	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/29/96-03/02/97	4	0.023	0.027	0.05	0.013	0.	0.016	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/29/96-03/02/97	4	9.	22.	68.	2.	962.	31.016	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/29/96-03/02/97	4 ##	0.015	0.015	0.02	0.01	0.	0.006	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	3.204	3.204	3.204	3.204	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1600.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	580.	580.	920.	240.	231200.	480.833	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	2.672	2.672	2.964	2.38	0.17	0.413	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			469.894								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/29/96-03/02/97	4	16.1	24.075	62.3	1.8	697.509	26.41	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: GOGA0351

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				2	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	2	1.00				2	2	1.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	2	1.00				2	2	1.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	4	1	0.25				2	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: GOGA0352

NPS Station ID: GOGA0352
LAT/LON: 37.875555/-122.504729
Agency: 1119REG9
Date Created: / /
Location: MARIN CITY E OF STRAWBERRY PT
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/PTRTMT/OUTFL/OCEAN
STORET Station ID(s): 6000154
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 18.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.09
RF3 Mile Point: 21.09
Distance from RF3: 0.09
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THE STATION IS LOCATED AT ANY POINT IN THE OUTFALL FROM THE MARIN CITY PUMPING STATION BETWEEN THE POINT OF DISCHARGE AND THE POINT AT WHICH ALL WASTE TRIBUTARY TO THAT OUTFALL IS PRESENT. THIS STATION IS LABELED E-4. THE DATA IS FROM THE SELF-MONI- TORING PROGRAM.

Parameter Inventory for Station: GOGA0352

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: GOGA0353

NPS Station ID: GOGA0353
LAT/LON: 37.875555/-122.504729
Agency: 1119REG9
Date Created: / /
Location: MARIN CITY E OF STRAWBERRY PT
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000167
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 18.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003617.38
RF3 Mile Point: 17.37
Distance from RF3: 0.05
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT THE POINT OF DISCHARGE FROM THE MARIN CITY PUMP STATION BYPASS. THIS STATION IS LABELED C-10. THE DATA IS FROM IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0353

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: GOGA0354

NPS Station ID: GOGA0354
LAT/LON: 37.875689/-122.445842
Agency: 1119REG9
Date Created: / /
Location: BETWEEN PT. TIBURON AND BLUFF PT
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/PTRTMT/OUTFL/OCEAN
STORET Station ID(s): 6000124
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 7.870
Distance from RF1: 13.70
On/Off RF1: OFF
RF3 Index: 18050002013700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.73
On/Off RF3:
Description:
SANITARY DISTRICT NO. 5 OF MARIN COUNTY, TIBURON, CALIFORNIA, MARIN COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THE STATION IS LOCATED AT ANY POINT IN THE OUTFALL FROM THE TREATMENT FACILITIES BETWEEN THE POINT OF DISCHARGE AND THE POINT AT WHICH ALL WASTE TRIBUTARY TO THAT OUTFALL IS PRESENT. THIS STATION IS LABELED E-1. THE DATA IS FROM THE SELF- MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0354

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: GOGA0355

NPS Station ID: GOGA0355
LAT/LON: 37.875689/-122.445898
Agency: 1119REG9
Date Created: / /
Location: BETWEEN PT. TIBURON AND BLUFF PT
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000128
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 7.870
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003603.47
RF3 Mile Point: 7.54
Distance from RF3: 0.08
On/Off RF3:
Description:
SANITARY DISTRICT NO. 5 OF MARIN COUNTY, TIBURON, CALIFORNIA, MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN RACCOON STRAIT, LOCATED ALONG THE NORTHEASTERLY SIDE OF ELEPHANT ROCK, A FISHING STAND, WHICH IS NEAR THE INTERSECTION OF MAR WEST AND PARADISE DR. THIS STATION IS LABELED C-3. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0355

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: GOGA0356

NPS Station ID: GOGA0356
LAT/LON: 37.875689/-122.445842
Agency: 1119REG9
Date Created: / /
Location: BETWEEN PT. TIBURON AND BLUFF PT
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/TREATD/OUTFL/OCEAN
STORET Station ID(s): 6000125
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 7.870
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003603.47
RF3 Mile Point: 7.54
Distance from RF3: 0.04
On/Off RF3:
Description:
SANITARY DISTRICT NO. 5 OF MARIN COUNTY, TIBURON, CALIFORNIA, MARIN COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THE STATION IS LOCATED AT ANY POINT IN THE DISINFECTION FACILITIES FOR WASTE, AT WHICH POINT ADE- QUATE CONTACT WITH THE DISINFECTANT IS ASSURED. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THIS STATION IS LABELED E-1-D.

Parameter Inventory for Station: GOGA0356

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: GOGA0357

NPS Station ID: GOGA0357
LAT/LON: 37.876248/-122.445837
Agency: 1119REG9
Date Created: / /
Location: BETWEEN PT. TIBURON AND BLUFF PT
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000126
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 7.870
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003603.47
RF3 Mile Point: 7.54
Distance from RF3: 0.04
On/Off RF3:
Description:
SANITARY DISTRICT NO. 5 OF MARIN COUNTY, TIBURON, CALIFORNIA, MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN RACCOON STRAIT, LOCATED APPROXIMATELY 150 FEET NORTHERLY FROM THE POINT OF DISCHARGE. THIS STATION IS LABELED C-1. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0357

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: GOGA0358

NPS Station ID: GOGA0358
LAT/LON: 37.876527/-122.445847
Agency: 1119REG9
Date Created: / /
Location: BETWEEN PT. TIBURON AND BLUFF PT
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000127
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 7.870
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003603.47
RF3 Mile Point: 7.54
Distance from RF3: 0.06
On/Off RF3:
Description:
SANITARY DISTRICT NO. 5 OF MARIN COUNTY, TIBURON, CALIFORNIA, MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT A POINT IN RACCOON STRAIT, LOCATED IN THE DISCHARGE BOIL. THIS STATION IS LABELED C-2. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0358

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: GOGA0359

NPS Station ID: GOGA0359
LAT/LON: 37.879717/-122.537507
Agency: 21CAL-1
Date Created: 01/19/80
Location: COYOTE C A MAPLE ST-TAMALPAIS VAL
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E2043701 /2013005
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050005014300.51
RF3 Mile Point: 0.52
Distance from RF3: 0.01
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 30 ;
STATION NAME: COYOTE C A MAPLE ST-TAMALPAIS VAL; DWR COUNTY CODE: 21; LATITUDE: 375247; LONGITUDE: 1223215;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01N, RANGE 06, SECTION 33NBASE M;
USGS QUADRANGLE NUMBER: . 467; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0359

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	03/10/54-03/10/54	1	55.4	55.4	55.4	55.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/10/54-03/10/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	03/10/54-03/10/54	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/10/54-03/10/54	1	329.	329.	329.	329.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/10/54-03/10/54	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/10/54-03/10/54	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/10/54-03/10/54	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/10/54-03/10/54	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/10/54-03/10/54	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/10/54-03/10/54	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/10/54-03/10/54	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/10/54-03/10/54	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/10/54-03/10/54	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/10/54-03/10/54	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/10/54-03/10/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/10/54-03/10/54	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/10/54-03/10/54	1	50.	50.	50.	50.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	03/10/54-03/10/54	1	84.	84.	84.	84.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/10/54-03/10/54	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

EPA Water Quality Criteria Analysis for Station: GOGA0359

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	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			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, 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: GOGA0360

NPS Station ID: GOGA0360 LAT/LON: 37.880358/-122.576039 Agency: 11NPSWRD Date Created: 07/11/98
Location: REDWOOD CREEK 500 FEET SOUTH OF KENT CANYON FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_F178_2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK APPROXIMATELY 500 FEET SOUTH OF KENT CANYON AT THE TRAIL SIGN AND FOOT BRIDGE IN CENTRAL FRANK VALLEY AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED 14 FEBRUARY 1988 AND 10 APRIL 1988. THE RESULTS ARE IN "SPAWNING AND REARING OF SALMONIDS IN REDWOOD CREEK; MARIN COUNTY; CALIFORNIA" BY JAMES S. FERRIS (DEPARTMENT OF FORESTRY AND RESOURCE MANAGEMENT-UNIVERSITY OF CALIFORNIA AT BERKELEY-FORESTRY 178 PROJECT; 1 MAY 1988). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0360

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/88-04/10/88	2	11.5	11.5	12.	11.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/14/88-04/10/88	2	8.75	8.75	9.5	8.	1.125	1.061	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/14/88-04/10/88	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/14/88-04/10/88	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/88-04/10/88	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
81380	VELOCITY OF DISCHARGE, METERS/SECOND	02/14/88-04/10/88	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0360

Parameter				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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

Station Inventory for Station: GOGA0361

NPS Station ID: GOGA0361 LAT/LON: 37.881169/-122.575841 Agency: 11NPSWRD Date Created: 07/18/98
Location: KENT CREEK AT THE REDWOOD CREEK CONFLUENCE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_NPS_4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT KENT CREEK AT THE REDWOOD CREEK CONFLUENCE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 26 NOVEMBER 1997 THROUGH 31 MARCH 1998 IN ORDER TO DETERMINE THE EFFECT OF GOLDEN GATE DAIRY STABLES ON THE REDWOOD CREEK WATERSHED. THE RESULTS ARE IN "WINTER 1997-1998 WATER QUALITY MONITORING AT GOLDEN GATE TRIBUTARY" BY DARREN FONG AND LEANNE CANEVARO (NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA-DIVISION OF RESOURCE MANAGEMENT AND PLANNING; JUNE 1998). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0361

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-03/31/98	9	11.	10.	14.	2.	11.563	3.4	2.	9.	12.	14.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/04/97-03/31/98	8	1.5	5.838	27.	0.8	81.406	9.023	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/26/97-03/31/98	10	210.	201.	263.	130.	2616.444	51.151	131.	147.5	260.	262.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/26/97-03/31/98	7	10.4	10.114	11.6	9.2	0.878	0.937	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/26/97-03/31/98	10	7.85	7.85	8.3	7.3	0.094	0.306	7.32	7.65	8.125	8.29
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/26/97-03/31/98	10	7.847	7.75	8.3	7.3	0.105	0.324	7.32	7.65	8.125	8.29
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/26/97-03/31/98	10	0.014	0.018	0.05	0.005	0.	0.014	0.005	0.008	0.023	0.048
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/26/97-03/31/98	9	50.	119.444	450.	25.	18090.278	134.5	25.	50.	150.	450.

** - Less than 9 observations ## - 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: GOGA0361

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	7	0	0.00				4	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	10	0	0.00				4	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00				4	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: GOGA0362

NPS Station ID: GOGA0362
LAT/LON: 37.881663/-122.426670
Agency: 112WRD
Date Created: 09/26/78
Location: SAN FRANCISCO BAY A TIBURON CA
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): 375254122253601
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 13.40
On/Off RF1:
RF3 Index: 18050002003603.47
RF3 Mile Point: 3.59
Distance from RF3: 1.24
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0362

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/77-11/09/78	29	14.1	14.555	17.1	11.8	1.588	1.26	13.3	13.7	15.6	16.4
00300	OXYGEN, DISSOLVED MG/L	11/10/77-11/09/78	27	7.4	7.563	9.6	6.7	0.567	0.753	6.86	7.	8.	9.04
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/10/77-11/09/78	27	87.	87.	94.	81.	17.923	4.234	81.8	83.	91.	93.2
00400	PH (STANDARD UNITS)	03/15/78-05/25/78	9	8.	8.011	8.1	7.9	0.004	0.06	7.9	8.	8.05	8.1
00400	CONVERTED PH (STANDARD UNITS)	03/15/78-05/25/78	9	8.	8.007	8.1	7.9	0.004	0.06	7.9	8.	8.05	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/15/78-05/25/78	9	0.01	0.01	0.013	0.008	0.	0.001	0.008	0.009	0.01	0.013
00480	SALINITY - PARTS PER THOUSAND	11/10/77-11/09/78	29	30.	26.724	32.6	6.2	53.405	7.308	11.9	24.65	31.3	32.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/10/77-11/09/78	28	0.095	0.095	0.19	0.04	0.002	0.044	0.049	0.05	0.11	0.181
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-11/09/78	29	0.01	0.009	0.01	0.005	0.	0.002	0.005	0.01	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-11/09/78	24	0.21	0.217	0.33	0.17	0.002	0.042	0.18	0.18	0.24	0.295
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/10/77-11/09/78	28	0.2	0.229	0.3	0.2	0.002	0.046	0.2	0.2	0.3	0.3
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/10/77-11/09/78	28	0.28	0.275	0.35	0.17	0.003	0.056	0.17	0.245	0.31	0.35
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/10/77-11/09/78	28	2.85	4.204	12.	1.9	8.36	2.891	2.19	2.5	4.8	10.11
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/10/77-11/09/78	28	0.125	0.122	0.24	0.05	0.003	0.057	0.059	0.06	0.14	0.231
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/10/77-11/09/78	24	0.9	0.963	1.5	0.8	0.039	0.197	0.8	0.8	1.1	1.3
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/10/77-11/09/78	25	0.03	0.03	0.03	0.03	0.	0.	0.03	0.03	0.03	0.03
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/10/77-05/25/78	4	14.	21.5	52.	6.	428.333	20.696	**	**	**	**

** - Less than 9 observations ## - 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: GOGA0362

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	27	0	0.00	14	0	0.00	9	0	0.00	4	0	0.00			
00400	PH	Marine Chronic	8.5	9	0	0.00	5	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	9	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: GOGA0363

NPS Station ID: GOGA0363
LAT/LON: 37.883056/-122.515982
Agency: 1119REG9
Date Created: / /
Location: SOUTH END RICHARDSON BAY BR
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/PTRTMT/OUTFL/OCEAN
STORET Station ID(s): 6000155
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 17.730
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003617.38
RF3 Mile Point: 21.30
Distance from RF3: 0.01
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL EFFLUENT STATION. THE STATION IS LOCATED AT ANY POINT IN THE OUTFALL FROM THE DIVERSION STRUCTURE AT RICHARDSON BAY BRIDGE AT A POINT AT WHICH ALL WASTE TRIBUTARY TO THAT OUTFALL IS PRESENT. THIS STATION IS LABELED E-5. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0363

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: GOGA0364

NPS Station ID: GOGA0364
LAT/LON: 37.883056/-122.515982
Agency: 1119REG9
Date Created: / /
Location: SOUTH END RICHARDSON BAY BR
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000166
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 17.730
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003621.09
RF3 Mile Point: 21.09
Distance from RF3: 0.09
On/Off RF3:
Description:
SAUSALITO - MARIN CITY SANITARY DISTRICT SAUSALITO MARIN COUNTY. THIS IS A MUNICIPAL RECEIVING WATER STATION. THE STATION IS LOCATED AT THE POINT OF DISCHARGE FROM THE BYPASS LOCATED AT THE SOUTH END OF THE RICHARDSON BAY BRIDGE. THIS STATION IS LABELED C-9. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0364

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: GOGA0365

NPS Station ID: GOGA0365 | LAT/LON: 37.885414/-122.515285 | Agency: 1119REG9 | Date Created: / /
Location: RICHARDSON BAY AT HWY 101 | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN | STORET Station ID(s): 6000193
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18050002 | Depth of Water: 999 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050002036 | RF1 Mile Point: 17.730 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 18050002003607.90 | RF3 Mile Point: 11.57 | Distance from RF3: 0.01 | On/Off RF3:
Description:
SAN FRANCISCO BAY SHELLFISH STUDY 1972. THIS IS AN EPA SHELLFISH AND WATER SAMPLING STATION. THE DATA IS FROM EPA TESTING. THIS STATION IS LOCATED IN RICHARDSON BAY AT THE NORTH END OF U.S. HWY NO. 101 WHERE IT CROSSES THE BAY. THIS STATION IS LABELED #42 RICHARDSON BAY BY THE SHELLFISH STUDY.

Parameter Inventory for Station: GOGA0365

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)	04/10/72-05/15/72	10	94.5	162.1	790.	8.	53601.656	231.52	9.4	30.25	185.	734.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/10/72-05/15/72	10	1.97	1.9	2.898	0.903	0.32	0.565	0.947	1.474	2.263	2.844
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			79.378								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	04/10/72-05/15/72	10	24.	44.5	110.	5.	1686.5	41.067	5.	7.25	82.75	108.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	04/10/72-05/15/72	10	1.379	1.41	2.041	0.699	0.277	0.527	0.699	0.852	1.917	2.035
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			25.696								
31640	FECAL COLIFORM,MPN,IN SHELLFISH,EC MED,44.5C	04/07/72-04/22/72	3	1700.	1340.	2300.	20.	1396800.	1181.863	**	**	**	**
31640	LOG FECAL COLIFORM,MPN,IN SHELLFISH,EC MED,44.5C	04/07/72-04/22/72	3	3.23	2.631	3.362	1.301	1.331	1.154	**	**	**	**
31640	GM FECAL COLIFORM,MPN,IN SHELLFISH,EC MED,44.5C	GEOMETRIC MEAN =			427.631								
39364	DDD IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
39374	DDT IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	1	2.	2.	2.	2.	0.	0.	**	**	**	**
39387	DIELDRIN IN SHELLFISH OR ANIMAL (UG/KG WET WGT)	04/18/72-04/18/72	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39520	PCBS IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	1	29.1	29.1	29.1	29.1	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/08/72-04/08/72	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	1	2.92	2.92	2.92	2.92	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	1	3.52	3.52	3.52	3.52	0.	0.	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	1	18.27	18.27	18.27	18.27	0.	0.	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	1	2.96	2.96	2.96	2.96	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/08/72-04/08/72	1	0.16	0.16	0.16	0.16	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: GOGA0365

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	10	0	0.00	1	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: GOGA0365

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	10	0	0.00	1	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: GOGA0366

NPS Station ID: GOGA0366 LAT/LON: 37.888050/-122.424176 Agency: 21CAL-84 Date Created: 02/15/86
Location: SAN FRANCISCO BAY 1.5KM NORTH OF ANGEL ISLAND FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): RSAC013 /215
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002002500.36 RF3 Mile Point: 0.35 Distance from RF3: 0.16 On/Off RF3:
Description:
LOCATION-SAN FRANCISCO BAY CHANNEL APPROX 1.5KM NORTH OF POINT SIMPTON, ANGEL ISLAND
HISTORY-ESTABLISHED JAN 1980 FOR MONITORING FISH AND CRUSTACEANS IN SF BAY AND THE WEST DELTA. SAMPLED MONTHLY 1980 TO PRESENT (CURRENT).
DATA TYPES-WATER TEMPERATURE AND EC, TIDE STAGE AND DIRECTION, STATION DEPTH, START AND FINISH LAT & LON OF TOW, BEARING OF TOW, DISTANCE OF TOW, NET TYPE, NUMBER OF FISH AND INVERTEBRATES BY SPECIES WITH SIZE FREQUENCY.
SAMPLING TECHNIQUES-EACH STATION IS TOWED WITH A 3M X 3M MIDWATER TRAWL, A 1M X 3M OTTER TRAWL AND A .5M DIA 505 MICRON EGG AND LARUAL NET. TOWS ARE 5 AND 6 MINUTE DURATION AND TAKEN WITHOUT RESPECT TO TIDE STAGE OR DIRECTION. MIDWATER TRAWLS AND E & L TOWS ARE OBLIQUE.
FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH & GAME (209) 466-4421.

Parameter Inventory for Station: GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	625	13.9	14.072	21.5	9.	5.545	2.355	10.8	12.25	16.1	17.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	92	1.	1.043	2.25	0.2	0.192	0.439	0.573	0.763	1.275	1.67
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	625	43400.	41332.712	52100.	5830.	77318784.394	8793.11	29780.	37200.	48330.5	50000.

** - Less than 9 observations ## - 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 1980 - Station GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	11	14.2	14.364	17.5	10.3	5.031	2.243	10.8	12.8	16.5	17.4
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	11	0.9	1.014	1.9	0.75	0.102	0.319	0.76	0.8	1.1	1.74
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	11	33825.	35362.818	49900.	19642.	84392482.764	9186.538	21308.8	28335.	41067.	49540.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	82	13.9	14.227	17.4	10.7	3.382	1.839	11.1	12.9	16.025	16.68
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	11	1.4	1.336	2.25	0.6	0.254	0.504	0.64	0.85	1.7	2.18
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	82	48300.	45262.195	50600.	29900.	32968306.233	5741.803	36160.	40600.	49500.	50170.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	68	13.35	13.278	16.8	9.	2.588	1.609	10.5	12.7	14.375	15.02
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	11	0.93	0.906	1.45	0.25	0.155	0.393	0.314	0.6	1.3	1.444
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	68	41350.	38091.5	48500.	5970.	94118156.104	9701.451	25810.	33575.	45325.	47100.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	76	14.6	14.639	21.5	9.3	7.682	2.772	10.4	12.625	16.6	18.36
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	0.65	0.698	1.2	0.2	0.111	0.334	0.23	0.393	1.045	1.17
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	76	32700.	32245.579	47400.	5830.	113982721.207	10676.269	15808.	25075.	40600.	46100.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	103	13.	14.056	18.8	9.8	5.765	2.401	11.7	12.1	16.8	17.2
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.15	1.208	2.1	0.8	0.18	0.425	0.8	0.813	1.388	2.04
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	103	43200.	41834.495	51719.	10986.	63730204.096	7983.12	31600.	38200.	47300.	49800.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	93	13.5	13.578	18.2	9.5	8.267	2.875	10.2	10.75	16.4	17.32
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.19	1.225	2.16	0.5	0.231	0.481	0.545	0.8	1.438	2.067
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	93	47400.	46304.301	51300.	36000.	21790850.865	4668.067	36740.	45500.	49500.	50800.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	91	14.1	14.218	17.9	10.5	4.323	2.079	11.7	12.5	16.	17.2
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	0.725	0.938	2.2	0.45	0.262	0.512	0.465	0.6	1.275	1.96
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	91	39000.	38298.901	47300.	11800.	53513887.668	7315.319	29440.	36800.	43500.	45880.

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

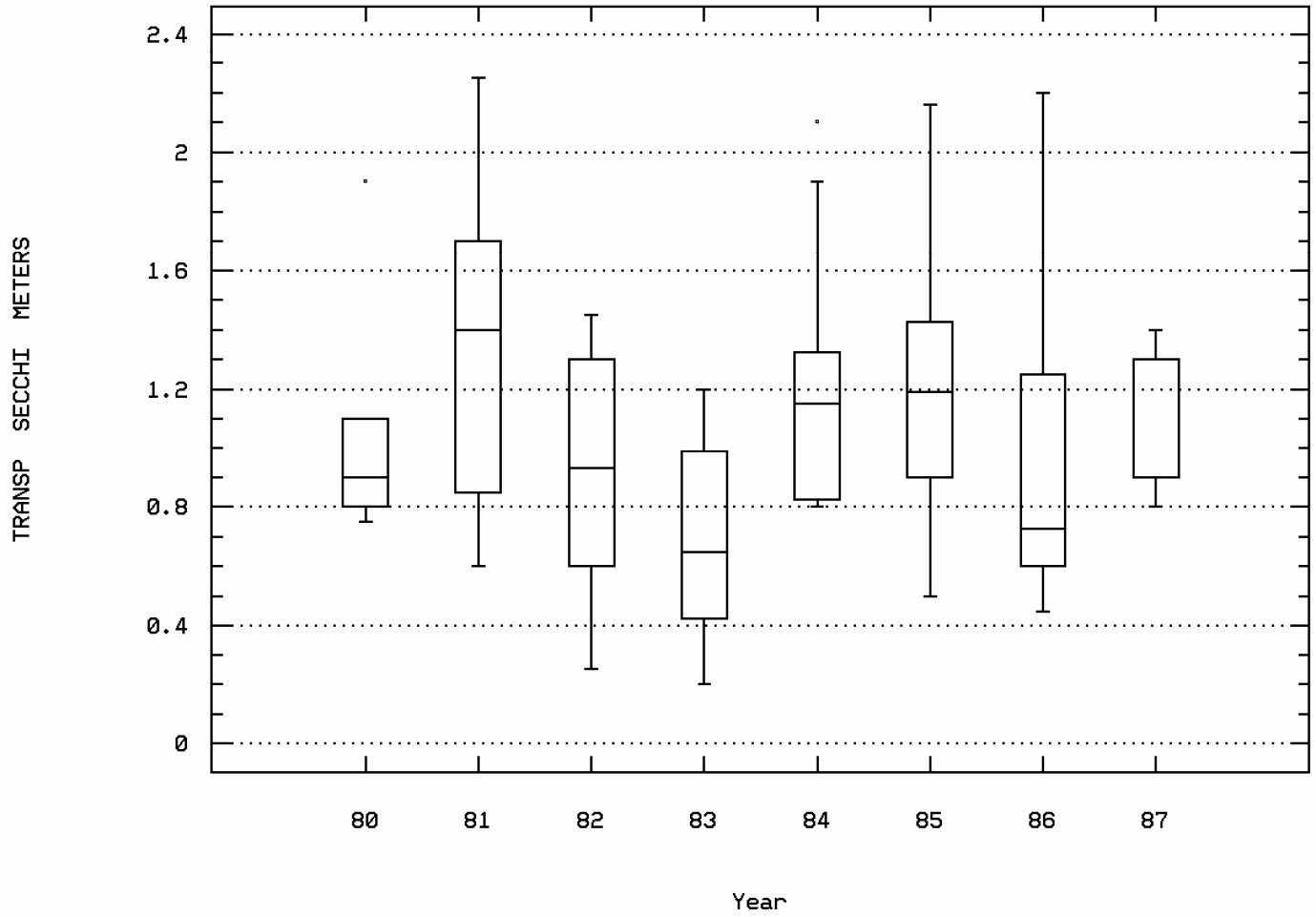
Annual Analysis for 1987 - Station GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	101	15.4	14.358	19.	10.6	5.454	2.335	11.	12.	16.	17.5
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	11	1.	1.027	1.4	0.8	0.032	0.179	0.82	0.9	1.1	1.38
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	101	47900.	45456.584	52100.	32300.	30283335.185	5503.03	37320.	39350.	50300.	51200.

** - Less than 9 observations ## - Computed 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: GOGA0366 Parameter Code: 00078

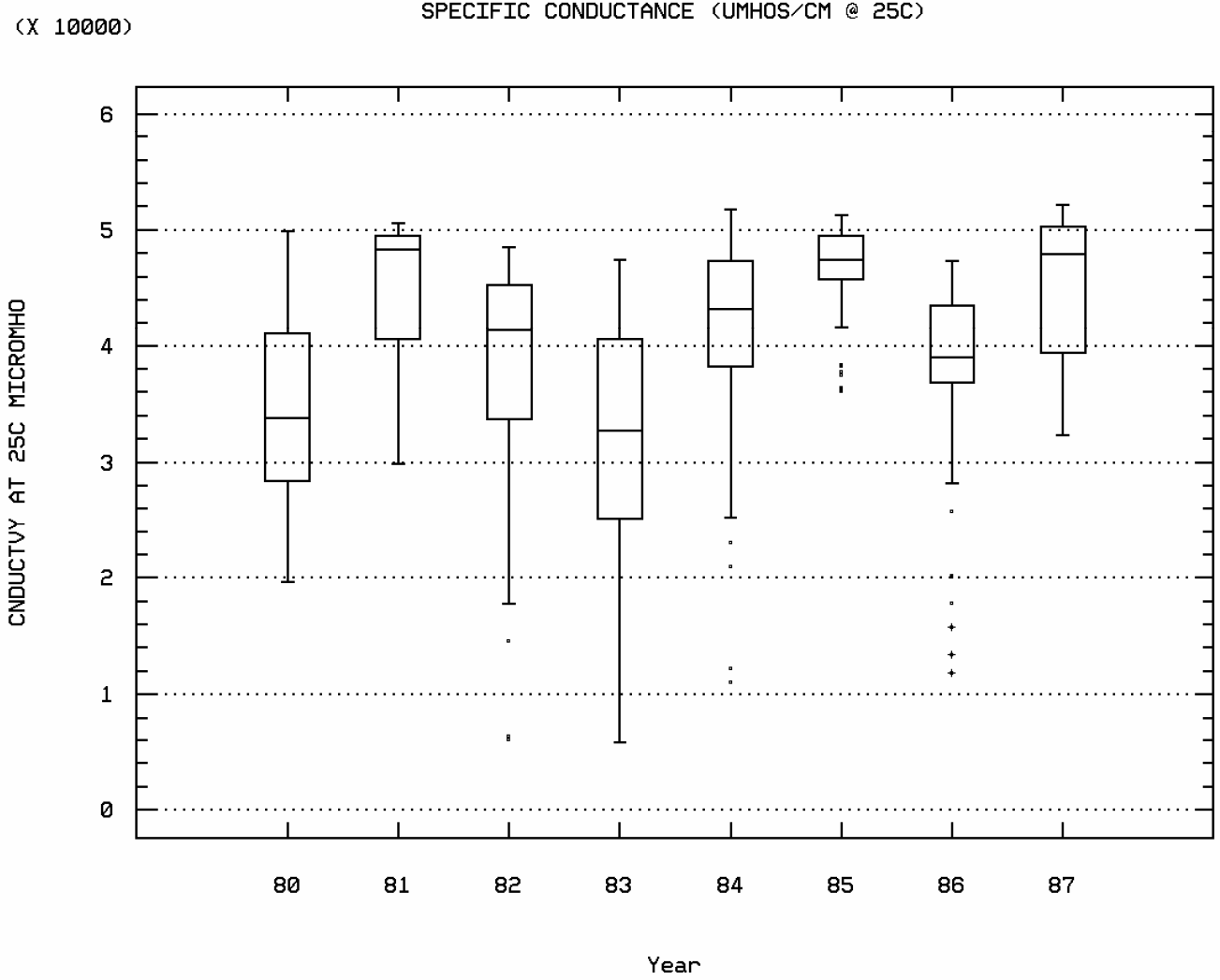
TRANSPARENCY, SECCHI DISC (METERS)



SAN FRANCISCO BAY 1.5KM NORTH OF ANGEL

Station: GOGA0366 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SAN FRANCISCO BAY 1.5KM NORTH OF ANGEL

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	259	16.3	16.252	21.5	10.4	1.959	1.4	14.7	15.5	17.2	17.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	38	1.1	1.136	2.25	0.36	0.194	0.44	0.635	0.865	1.4	1.92
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	259	47200.	44608.514	52100.	23100.	38800503.103	6229.005	36500.	39710.	49200.	50500.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	155	12.8	12.632	16.6	9.	2.962	1.721	10.5	11.	13.9	15.4
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	22	1.15	1.232	2.2	0.49	0.21	0.459	0.63	0.875	1.513	1.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	155	45500.	43476.394	51300.	10986.	54423946.682	7377.259	34520.	40500.	48625.	50340.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	211	12.6	12.452	16.7	9.5	1.869	1.367	10.5	11.7	13.4	13.98
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	32	0.8	0.803	1.45	0.2	0.095	0.309	0.345	0.6	1.075	1.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	211	37400.	35736.962	50900.	5830.	94079069.78	9699.437	20000.	32600.	42600.	46100.

** - Less than 9 observations ## - Computed 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: GOGA0367

NPS Station ID: GOGA0367 LAT/LON: 37.888279/-122.565679 Agency: 11NPSWRD Date Created: 07/18/98
Location: CAMINO DEL CANYON AT REDWOOD CREEK CONFLUENCE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_NPS_2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT CAMINO DEL CANYON AT THE REDWOOD CREEK CONFLUENCE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 19 NOVEMBER 1997 THROUGH 31 MARCH 1998 IN ORDER TO DETERMINE THE EFFECT OF GOLDEN GATE DAIRY STABLES ON THE REDWOOD CREEK WATERSHED. THE RESULTS ARE IN "WINTER 1997-1998 WATER QUALITY MONITORING AT GOLDEN GATE TRIBUTARY" BY DARREN FONG AND LEANNE CANEVARO (NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA-DIVISION OF RESOURCE MANAGEMENT AND PLANNING; JUNE 1998). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0367

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-03/31/98	9	11.	10.5	15.	2.	13.25	3.64	2.	9.5	12.5	15.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/16/97-03/31/98	6	1.25	2.617	11.	0.1	17.638	4.2	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/31/98	11	150.	163.545	240.	110.	1954.273	44.207	110.	140.	210.	235.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-03/31/98	7	10.4	10.286	12.	9.2	0.785	0.886	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/31/98	11	7.9	7.973	8.6	7.3	0.124	0.352	7.38	7.7	8.1	8.56
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/19/97-03/31/98	11	7.9	7.842	8.6	7.3	0.143	0.378	7.38	7.7	8.1	8.56
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/97-03/31/98	11	0.013	0.014	0.05	0.003	0.	0.013	0.003	0.008	0.02	0.044
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/97-03/31/98	10 ##	75.	179.5	1100.	25.	106369.167	326.143	27.5	50.	117.5	1007.

** - Less than 9 observations ## - 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: GOGA0367

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	7	0	0.00				5	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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			

& - 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: GOGA0368

NPS Station ID: GOGA0368 LAT/LON: 37.888332/-122.567783 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK AT MUIR WOODS ROAD MILE MARKER 2 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB95A_2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK AT MUIR WOODS ROAD MILE MARKER 2 AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. LATITUDE AND LONGITUDE COORDINATES WERE DETERMINED AT THE NEAREST AREA OF OPEN CANOPY USING A HANDHELD MAGELLAN GPS MERIDIAN. HEAVY RAINS DURING THE DAYS PRECEEDING 3/13/95 RESULTED IN HIGH WATER PREVENTING FLOW MEASUREMENTS. ONE SAMPLE WAS COLLECTED ON 13 MARCH 1995 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1995" BY BY M. PODLECH; A.A. MILLER; C.M.CODEMO; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; AUG. 1995). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0368

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/95-03/13/95	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/13/95-03/13/95	1	13.1	13.1	13.1	13.1	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/95-03/13/95	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/13/95-03/13/95	1	12.7	12.7	12.7	12.7	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/13/95-03/13/95	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/13/95-03/13/95	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/13/95-03/13/95	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/95-03/13/95	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/13/95-03/13/95	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/13/95-03/13/95	1	118.	118.	118.	118.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/13/95-03/13/95	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/13/95-03/13/95	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/13/95-03/13/95	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/13/95-03/13/95	1	6.85	6.85	6.85	6.85	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/13/95-03/13/95	1	0.49	0.49	0.49	0.49	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/13/95-03/13/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/13/95-03/13/95	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/13/95-03/13/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/13/95-03/13/95	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 time series plot

Parameter Inventory for Station: GOGA0368

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01020	BORON, DISSOLVED (UG/L AS B)	03/13/95-03/13/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/13/95-03/13/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/13/95-03/13/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	03/13/95-03/13/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/13/95-03/13/95	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/13/95-03/13/95	1	206.	206.	206.	206.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/13/95-03/13/95	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/13/95-03/13/95	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/13/95-03/13/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/13/95-03/13/95	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/13/95-03/13/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/13/95-03/13/95	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	03/13/95-03/13/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/13/95-03/13/95	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/13/95-03/13/95	1	159.	159.	159.	159.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	03/13/95-03/13/95	1	6604.	6604.	6604.	6604.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/13/95-03/13/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/13/95-03/13/95	1	6.	6.	6.	6.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/13/95-03/13/95	1	0.023	0.023	0.023	0.023	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	03/13/95-03/13/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/13/95-03/13/95	1	96.5	96.5	96.5	96.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GOGA0368

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------5/15-10/09---------- Obs	Exceed	Prop.	----------10/10-1/14---------- Obs	Exceed	Prop.	----------1/15-5/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
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			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	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			
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			
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			
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			
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			
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			
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			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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: GOGA0369

NPS Station ID: GOGA0369 LAT/LON: 37.888332/-122.567783 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK AT MUIR WOODS ROAD MILE MARKER 2.0 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB94S_02
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK AT MUIR WOODS ROAD MILE MARKER 2.0 AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. LATITUDE AND LONGITUDE COORDINATES WERE DETERMINED AT THE NEAREST AREA OF OPEN CANOPY USING A HANDHELD MAGELLAN GPS MERIDIAN. SAMPLES FOR THIS SITE WERE COLLECTED FROM 7 MARCH 1994 THROUGH 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0369

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/94-04/25/94	2	10.75	10.75	11.3	10.2	0.605	0.778	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/07/94-04/25/94	2	12.05	12.05	14.7	9.4	14.045	3.748	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/07/94-03/07/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/07/94-04/25/94	2	160.	160.	160.	160.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/07/94-04/25/94	2	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/94-04/25/94	2	89.	89.	92.	86.	18.	4.243	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/07/94-04/25/94	2	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/07/94-04/25/94	2	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/94-04/25/94	2	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/07/94-04/25/94	2	82.5	82.5	90.	75.	112.5	10.607	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/94-03/07/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/94-04/25/94	2	0.115	0.115	0.13	0.1	0.	0.021	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/07/94-04/25/94	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/07/94-03/07/94	1	11.8	11.8	11.8	11.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/07/94-03/07/94	1	12.7	12.7	12.7	12.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/07/94-03/07/94	1	10.79	10.79	10.79	10.79	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/07/94-03/07/94	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/07/94-04/25/94	2	12.	12.	12.	12.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/07/94-04/25/94	2	11.	11.	12.	10.	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

Parameter Inventory for Station: GOGA0369

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/07/94-03/07/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/07/94-03/07/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/07/94-03/07/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/07/94-03/07/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/07/94-03/07/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/07/94-03/07/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/07/94-03/07/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/07/94-03/07/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/07/94-03/07/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/07/94-03/07/94	1	111.	111.	111.	111.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/07/94-03/07/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/07/94-03/07/94	1	52.	52.	52.	52.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	03/07/94-03/07/94	1	9698.	9698.	9698.	9698.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/07/94-03/07/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/16/94-03/16/94	1	27.	27.	27.	27.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/16/94-03/16/94	1	1.431	1.431	1.431	1.431	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			27.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/16/94-03/16/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/16/94-03/16/94	1	0.845	0.845	0.845	0.845	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			7.								
47501	WEATHER AT TIME OF SAMPLING	03/07/94-04/25/94	2	4.5	4.5	8.	1.	24.5	4.95	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/07/94-04/25/94	2	2.45	2.45	3.2	1.7	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

EPA Water Quality Criteria Analysis for Station: GOGA0369

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00620	NITRATE NITROGEN, TOTAL 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			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00							2	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			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	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			
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			
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			
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			

& - 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: GOGA0369

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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			
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			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00							1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00							1	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			
82078	TURBIDITY, FIELD	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

Station Inventory for Station: GOGA0370

NPS Station ID: GOGA0370
LAT/LON: 37.888614/-122.566121
Agency: 112WRD
Date Created: 06/28/86
Location: REDWOOD CREEK @ MUIR WOODS CALIF
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 375319122335801
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050005001403.27
RF3 Mile Point: 8.00
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0370

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/86-01/31/86	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	01/31/86-01/31/86	1	755.	755.	755.	755.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/31/86-01/31/86	1	51.	51.	51.	51.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/86-01/31/86	1	136.	136.	136.	136.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/31/86-01/31/86	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/31/86-01/31/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/31/86-01/31/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/86-01/31/86	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/31/86-01/31/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/31/86-01/31/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/86-01/31/86	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/31/86-01/31/86	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/31/86-01/31/86	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/31/86-01/31/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/31/86-01/31/86	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/31/86-01/31/86	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/31/86-01/31/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	01/31/86-01/31/86	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	01/31/86-01/31/86	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/31/86-01/31/86	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/31/86-01/31/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/31/86-01/31/86	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/31/86-01/31/86	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/31/86-01/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/31/86-01/31/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/31/86-01/31/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/31/86-01/31/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/31/86-01/31/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/31/86-01/31/86	1	67.	67.	67.	67.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/31/86-01/31/86	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/31/86-01/31/86	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/31/86-01/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	01/31/86-01/31/86	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39024	PROPAZINE,COULSON CONDUCTIVITY,WATER SAMPL(UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39054	SIMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	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

Parameter Inventory for Station: GOGA0370

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39055	SIMAZINE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39056	PROMETONE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39057	PROMETRYNE IN WHOLE WATER (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	01/31/86-01/31/86	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/31/86-01/31/86	1	80.	80.	80.	80.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/31/86-01/31/86	1	93.	93.	93.	93.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	01/31/86-01/31/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82184	AMETRYNE (GESAPAX OR EVIK) TOTAL UG/L	01/31/86-01/31/86	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: GOGA0370

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	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	Fresh Chronic	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	FLUORIDE, 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			
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.	0 &	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			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	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: GOGA0371

NPS Station ID: GOGA0371 LAT/LON: 37.888722/-122.566097 Agency: 11NPSWRD Date Created: 07/11/98
Location: REDWOOD CREEK AT MUIR WOODS BRIDGE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB97_10
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK AT THE MUIR WOODS BRIDGE APPROXIMATELY 1/2 MILE SOUTHEAST OF THE ENTRANCE TO MUIR WOODS NATIONAL MONUMENT AND IS INSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 24 OCTOBER 1996 THROUGH 2 MARCH 1997 AND WERE ANALYZED FOR PHYSICAL; CHEMICAL; AND BIOLOGICAL PARAMETERS. THE RESULTS ARE IN "RODEO VALLEY/TENNESSEE VALLEY/REDWOOD CREEK WATER QUALITY MONITORING REPORT OCTOBER 1996-MARCH 1997" BY P.S. LEACH; M. PODLECH; AND R.J. BROWN (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; JUNE 1997). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0371

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/29/96-03/02/97	4	12.	11.9	12.7	10.9	0.613	0.783	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/29/96-03/02/97	3	14.	12.333	14.	9.	8.333	2.887	**	**	**	**
00065	STAGE, STREAM (FEET)	10/29/96-03/02/97	4	0.23	0.235	0.29	0.19	0.002	0.042	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/29/96-03/02/97	4	105.	111.25	170.	65.	2306.25	48.023	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/29/96-03/02/97	4	10.5	10.45	10.7	10.1	0.09	0.3	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/29/96-03/02/97	4	95.	96.	100.	94.	7.333	2.708	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/29/96-03/02/97	4	7.55	7.65	8.1	7.4	0.097	0.311	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/29/96-03/02/97	4	7.547	7.583	8.1	7.4	0.103	0.32	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/29/96-03/02/97	4	0.028	0.026	0.04	0.008	0.	0.014	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/29/96-03/02/97	4	7.	14.2	42.	0.8	368.693	19.201	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/29/96-03/02/97	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	920.	920.	1600.	240.	924800.	961.665	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/24/96-11/18/96	2	2.792	2.792	3.204	2.38	0.339	0.583	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			619.677								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	580.	580.	920.	240.	231200.	480.833	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/24/96-11/18/96	2	2.672	2.672	2.964	2.38	0.17	0.413	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			469.894								
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/29/96-03/02/97	4	11.5	12.075	23.7	1.6	90.969	9.538	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0371

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				2	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	1	0.50				2	1	0.50						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	2	1.00				2	2	1.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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: GOGA0372

NPS Station ID: GOGA0372 LAT/LON: 37.888803/-122.566119 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK AT MUIR WOODS (CONCRETE) BRIDGE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_NPS_3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK AT THE MUIR WOODS (CONCRETE) BRIDGE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 19 NOVEMBER 1997 THROUGH 18 MARCH 1998 IN ORDER TO DETERMINE THE EFFECT OF GOLDEN GATE DAIRY STABLES ON THE REDWOOD CREEK WATERSHED. THE RESULTS ARE IN "WINTER 1997-1998 WATER QUALITY MONITORING AT GOLDEN GATE TRIBUTARY" BY DARREN FONG AND LEANNE CANEVARO (NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA-DIVISION OF RESOURCE MANAGEMENT AND PLANNING; JUNE 1998). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0372

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-11/26/97	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/18/98	3	193.	177.667	200.	140.	1076.333	32.808	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-11/26/97	2	9.8	9.8	10.4	9.2	0.72	0.849	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/18/98	3	7.9	7.7	7.9	7.3	0.12	0.346	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/19/97-03/18/98	3	7.9	7.6	7.9	7.3	0.135	0.367	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/97-03/18/98	3	0.013	0.025	0.05	0.013	0.	0.022	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/97-11/26/97	2	100.	100.	100.	100.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/03/95-02/02/98	9	350.	845.556	1600.	130.	515352.778	717.881	130.	235.	1600.	1600.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/03/95-02/02/98	9	2.544	2.737	3.204	2.114	0.209	0.457	2.114	2.371	3.204	3.204
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			545.535								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/03/95-02/02/98	10	160.	413.6	1600.	8.	268746.267	518.407	12.1	49.	680.	1532.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/03/95-02/02/98	10	2.142	2.194	3.204	0.903	0.531	0.729	0.982	1.69	2.825	3.18
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			156.466								

** - Less than 9 observations ## - 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: GOGA0372

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00				2	0	0.00						
00406	PH, FIELD	Fresh Chronic	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			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	9	4	0.44	2	0	0.00	5	3	0.60	2	1	0.50			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	10	5	0.50	2	0	0.00	6	4	0.67	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: GOGA0373

NPS Station ID: GOGA0373
LAT/LON: 37.889443/-122.566116
Agency: 11NPSWRD
Date Created: 07/18/98
Location: REDWOOD CREEK BELOW MUIR WOODS
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GOGA_USGS_RCMW /11460140
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE. THE SITE IS LOCATED AT REDWOOD CREEK; UPSTREAM OF FRANK VALLEY ROAD BRIDGE; 1.7 MILES SOUTHWEST OF MILL VALLEY POST OFFICE. THIS SITE IS LOCATED WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA (GOGA). THE DATA ARE FROM A REPORT BY MARY ANN MADEJ; "ANALYSIS OF USGS WATER QUALITY DATA 1986-1988." THE REPORT CONTAINS ADDITIONAL DATA FOR USGS STATION 11460140 THAT WERE COLLECTED AND ANALYZED BUT NOT UPLOADED TO STORET BY THE USGS. AS INDICATED IN THE REPORT; SULFATE DATA WERE UPLOADED AS DISSOLVED; AND FECAL COLIFORM DATA ARE QUESTIONABLE DUE TO PROBLEMS WITH THE CULTURES. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620). DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0373

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/86-06/07/88	5	13.5	12.8	14.	10.	2.825	1.681	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/26/86-06/10/87	3	760.	760.	765.	755.	25.	5.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/86-06/07/88	5	0.8	31.62	114.	0.6	2440.592	49.402	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/86-06/07/88	5	212.	183.6	225.	118.	2269.3	47.637	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/86-06/07/88	5	9.8	9.84	11.1	8.7	0.903	0.95	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/86-06/07/88	6	96.	93.333	98.	85.	29.867	5.465	**	**	**	**
00400	PH (STANDARD UNITS)	06/26/86-06/07/88	5	7.8	7.68	7.9	7.3	0.072	0.268	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/26/86-06/07/88	5	7.8	7.61	7.9	7.3	0.078	0.28	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/86-06/07/88	5	0.016	0.025	0.05	0.013	0.	0.016	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/05/88-06/07/88	2	7.95	7.95	8.	7.9	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/05/88-06/07/88	2	7.947	7.947	8.	7.9	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/88-06/07/88	2	0.011	0.011	0.013	0.01	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/86-06/07/88	5	78.	67.8	92.	34.	629.2	25.084	**	**	**	**
00416	ALKALINITY,INCREMENTAL TITRATION, USGS LAB MG/L	01/05/88-06/07/88	2	70.	70.	92.	48.	968.	31.113	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	01/31/86-06/10/87	4	65.5	62.	84.	33.	571.333	23.903	**	**	**	**
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	01/31/86-06/07/88	6	79.5	78.833	112.	40.	826.167	28.743	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/26/86-06/07/88	5	0.1	0.1	0.2	0.05	0.004	0.061	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/26/86-06/07/88	5	0.01	0.022	0.08	0.005	0.001	0.033	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/26/86-06/10/87	3	82.	69.	86.	39.	679.	26.058	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: GOGA0373

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/26/86-06/10/87	3	5.	4.	7.	0.	13.	3.606	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/26/86-06/07/88	5	13.	10.74	14.	5.7	13.438	3.666	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/26/86-06/07/88	5	12.	10.62	14.	5.9	11.782	3.432	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/26/86-06/07/88	5	12.	10.62	12.	7.8	3.852	1.963	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/26/86-06/10/87	3	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/26/86-06/10/87	3	24.	25.667	30.	23.	14.333	3.786	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/26/86-06/07/88	5	0.8	0.8	0.9	0.7	0.005	0.071	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/26/86-06/07/88	5	11.	11.8	15.	10.	3.7	1.924	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/26/86-06/07/88	5	11.	11.2	12.	10.	0.7	0.837	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/26/86-06/07/88	5	0.1	0.14	0.3	0.05	0.012	0.108	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/26/86-06/07/88	5	17.	16.2	17.	14.	1.7	1.304	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/26/86-06/07/88	5	1.	1.2	2.	0.5	0.575	0.758	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/26/86-06/07/88	5	30.	26.	30.	20.	30.	5.477	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/26/86-06/07/88	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/26/86-06/07/88	5	5.	8.	20.	2.	49.5	7.036	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/26/86-06/07/88	5 ##	5.	23.	80.	5.	1057.5	32.519	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/26/86-06/07/88	5	14.	25.6	77.	1.5	1002.175	31.657	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/26/86-06/07/88	5 ##	50.	60.	100.	50.	500.	22.361	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/26/86-06/07/88	5 ##	5.	6.	10.	5.	5.	2.236	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/05/88-06/07/88	2 ##	6.75	6.75	13.	0.5	78.125	8.839	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/31/86-06/07/88	3	34.	46.	77.	27.	733.	27.074	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/31/86-06/07/88	3	1.531	1.616	1.886	1.431	0.057	0.239	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			41.347								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/31/86-06/07/88	3	82.	70.	97.	31.	1197.	34.598	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/31/86-06/07/88	3	1.914	1.797	1.987	1.491	0.072	0.267	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			62.707								
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/07/86-07/07/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/07/86-07/07/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/26/86-06/07/88	5	125.	111.2	128.	83.	462.2	21.499	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/26/86-06/10/87	3	130.	111.667	130.	75.	1008.333	31.754	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/31/86-06/10/87	4	0.14	0.14	0.17	0.11	0.001	0.035	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/31/86-01/05/88	2	75.5	75.5	87.	64.	264.5	16.263	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/26/86-06/07/88	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/31/86-01/05/88	2	16.5	16.5	25.	8.	144.5	12.021	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/31/86-01/05/88	2	2.155	2.155	3.4	0.91	3.1	1.761	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	07/07/86-07/07/86	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: GOGA0373

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00	3	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: GOGA0373

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	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.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	5	0	0.00	3	0	0.00	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.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	2	0.40	3	0	0.00	1	1	1.00	1	1	1.00			
		Drinking Water	1300.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	1	0.20	3	0	0.00	1	0	0.00	1	1	1.00			
		Drinking Water	15.	1 &	1	1.00							1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5000.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	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						
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	2.	5	0	0.00	3	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: GOGA0374

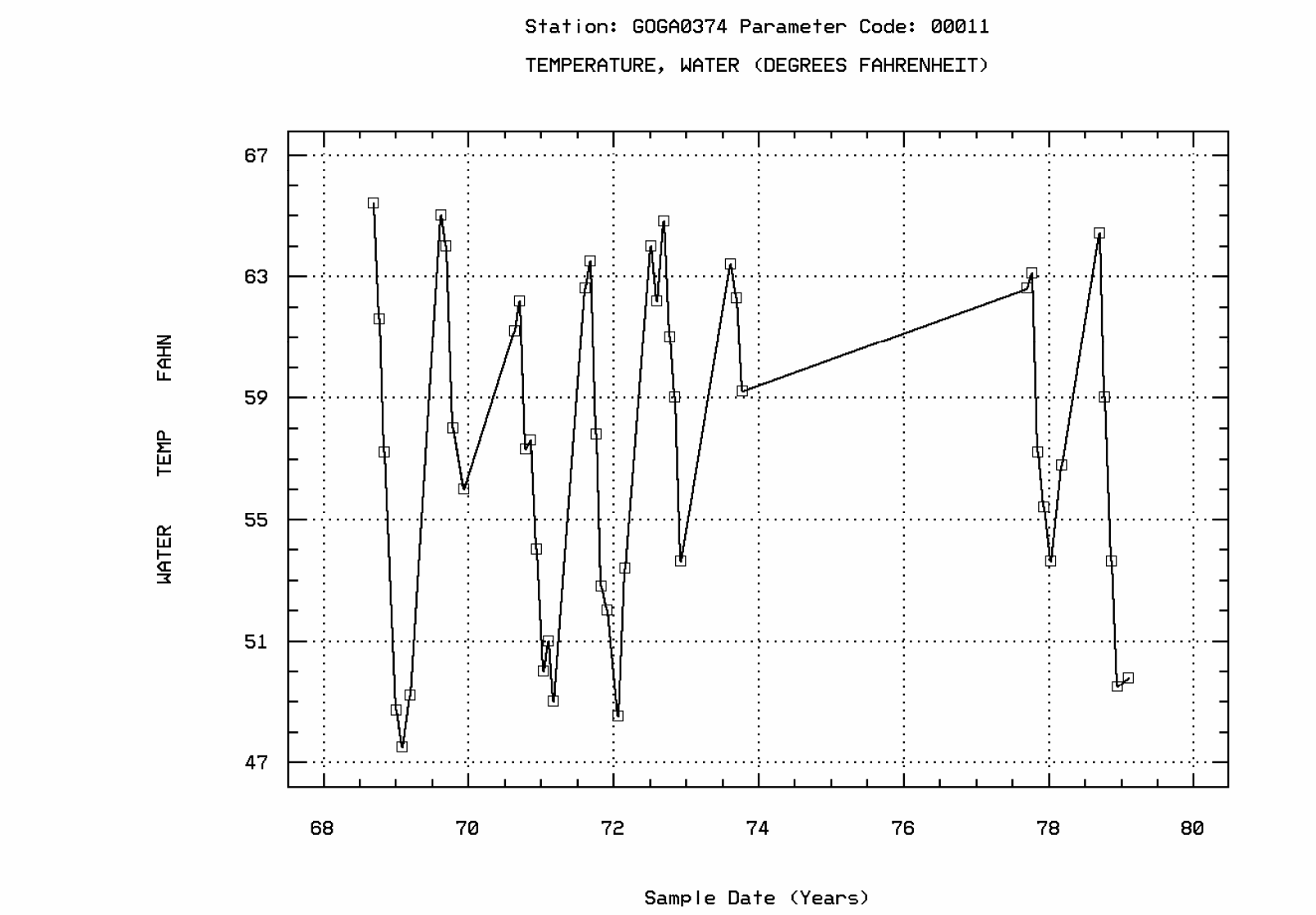
NPS Station ID: GOGA0374 LAT/LON: 37.889717/-122.422230 Agency: 21CAL-82 Date Created: 02/15/86
Location: N SF BAY- 1600 YDS NE OF BLUFF PT ON TIBURON PEN FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): RSAC013 /MWT209
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 40 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 14.50 On/Off RF1:
RF3 Index: 18050002003404.91 RF3 Mile Point: 14.41 Distance from RF3: 1.58 On/Off RF3:
Description:
LOCATION- N SF BAY 1600 YDS NE OF BLUFF PT ON THE TIBURON PENINSULA. HISTORY-ESTABLISHED 1968 FOR MONITORING YOUNG STRIPED BASS FALL-WINTER ABUNDANCE. SAMPLING NOT DONE IN 1974,NOR SINCE 1978. DATA TYPES- EC, SECCHI,TEMPERATURE,(STATION DEPTH, BOAT SPEED,TIME OF TOW (FOR SOME RECENT YEARS)),NUMBER OF FISH CAUGHT BY SPECIES. SAMPLING TECHNIQUES- 12FTX12FT MIDWATER TRAWL WITH VARIABLE MESH. OBLIQUE TOWS FOR 12 MINUTES. SAMPLING DONE WITHOUT RESPECT TO TIDAL STAGE OR DIRECTION OF FLOW. FOR TECHNICAL DETAILS CONTACT CALIF FISH AND GAME 209-466-4421

Parameter Inventory for Station: GOGA0374

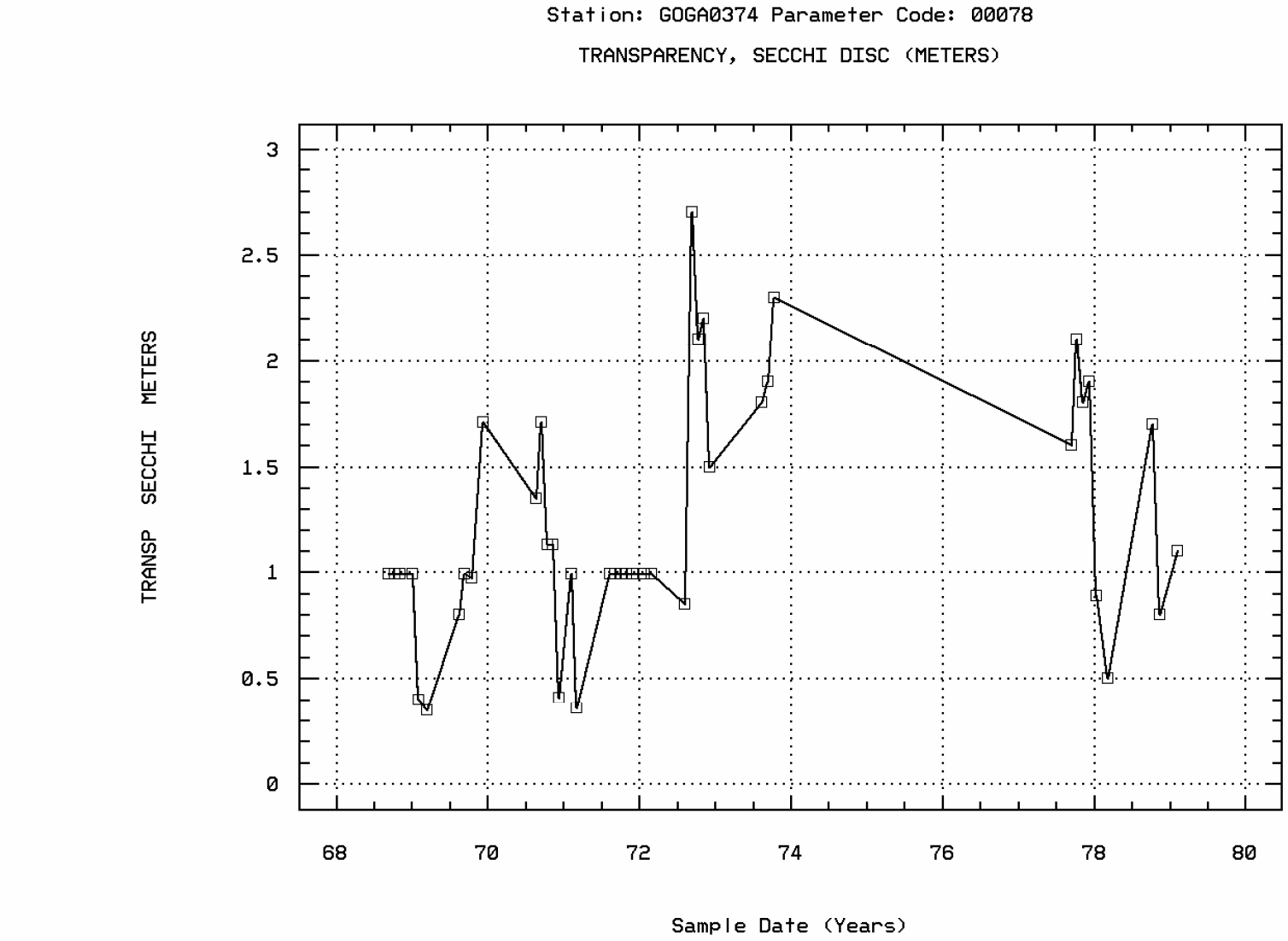
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-02/08/79	45	57.6	57.333	65.4	47.5	30.238	5.499	49.12	53.1	62.45	64.16
00078p	TRANSPARENCY, SECCHI DISC (METERS)	09/12/68-02/08/79	44	0.99	1.226	2.7	0.35	0.309	0.556	0.455	0.99	1.708	2.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-02/08/79	45	36850.	36246.889	49728.	7370.	81355513.283	9019.729	24922.	33045.	42796.	45223.2
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/12/78-02/08/79	5	25.	27.	30.	25.	7.5	2.739	**	**	**	**

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

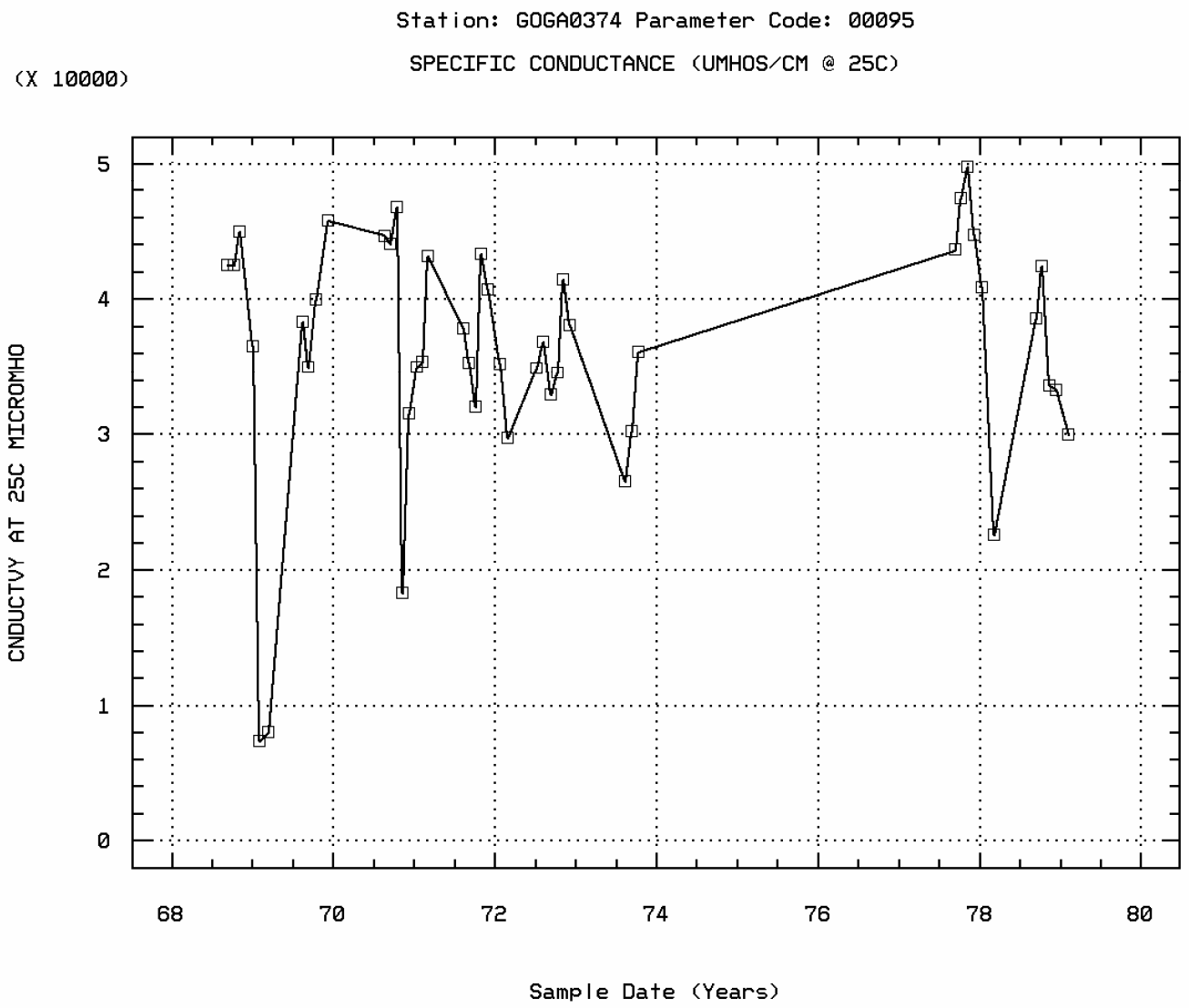
********** No EPA Water Quality Criteria exist to compare against the data at this station. **********



N SF BAY- 1600 YDS NE OF BLUFF PT ON TI



N SF BAY- 1600 YDS NE OF BLUFF PT ON TI



N SF BAY- 1600 YDS NE OF BLUFF PT ON TI

Station Inventory for Station: GOGA0375

NPS Station ID: GOGA0375 | LAT/LON: 37.891583/-122.569424 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: REDWOOD CREEK AT ENTRANCE TO MUIR WOODS N.M. | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_F178_3
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK AT THE ENTRANCE TO MUIR WOODS NATIONAL MONUMENT AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED 14 FEBRUARY 1988 AND 10 APRIL 1988. THE RESULTS ARE IN "SPAWNING AND REARING OF SALMONIDS IN REDWOOD CREEK; MARIN COUNTY; CALIFORNIA" BY JAMES S. FERRIS (DEPARTMENT OF FORESTRY AND RESOURCE MANAGEMENT- UNIVERSITY OF CALIFORNIA AT BERKELEY-FORESTRY 178 PROJECT; 1 MAY 1988). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0375

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/88-04/10/88	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/14/88-04/10/88	2	9.75	9.75	10.5	9.	1.125	1.061	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/14/88-04/10/88	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/14/88-04/10/88	2	7.26	7.26	8.	7.	0.616	0.785	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/88-04/10/88	2	0.055	0.055	0.1	0.01	0.004	0.064	**	**	**	**
81380	VELOCITY OF DISCHARGE, METERS/SECOND	02/14/88-04/10/88	2	1.25	1.25	1.5	1.	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: GOGA0375

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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

Station Inventory for Station: GOGA0376

NPS Station ID: GOGA0376 | LAT/LON: 37.893026/-122.569700 | Agency: 11NPSWRD | Date Created: 08/08/98
Location: REDWOOD CREEK AT DIPSEA BRIDGE | FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GOGA_NPS_DIPSEA
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION | ECO Region:
RF1 Index: 18050005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 18050003030300.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.09 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT REDWOOD CREEK AT DIPSEA BRIDGE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARY. DATA ARE FROM A NPS REPORT BY DARREN FONG AND LEANNE CANEVARO; "DRAFT WINTER 1997-1998 WATER QUALITY MONITORING AT GOLDEN GATE DAIRY TRIBUTARY." THIS REPORT IS PART OF A WATER QUALITY MONITORING PROGRAM "TO DETERMINE COMPLIANCE AT THE GOLDEN GATE DAIRY TRIBUTARY WITH EXISTING STATE WATER QUALITY OBJECTIVES" AND TO COMPARE SUSPENDED SOLID AND NUTRIENT AMOUNTS FROM SITES AFFECTED BY EQUESTRIAN OPERATION AND CONTROL SITES. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON; BUILDING 201; SAN FRANCISCO CA 94123-1308 (TEL. 415-561-4620).
DATA WERE PROCESSED AND UPLOADED TO STORET BY ADRIANE PETERSEN; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: GOGA0376

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)	01/10/95-01/10/95	1	80.	80.	80.	80.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/10/95-01/10/95	1	1.903	1.903	1.903	1.903	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			80.								

** - Less than 9 observations ## - 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: GOGA0376

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	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: GOGA0377

NPS Station ID: GOGA0377
LAT/LON: 37.893614/-122.493338
Agency: 1119REG9
Date Created: / /
Location: 1950 YDS N STRAWBERRY PT.
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000192
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 999
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 13.380
Distance from RF1: 2.40
On/Off RF1: OFF
RF3 Index: 18050005001400.00
RF3 Mile Point: 0.03
Distance from RF3: 0.01
On/Off RF3:
Description:
SAN FRANCISCO BAY SHELLFISH STUDY 1972. THIS IS AN EPA SHELLFISH AND WATER SAMPLING STATION. THE DATA IS FROM EPA TESTING. THIS STATION IS LOCATED IN RICHARDSON BAY 1950 YARD NORTH FROM THE END OF STRAWBERRY POINT. THIS STATION IS LABELED #41 STRAWBERRY POINT BY THE SHELLFISH STUDY.

Parameter Inventory for Station: GOGA0377

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)	04/10/72-05/17/72	11	17.	48.636	180.	2.	3462.255	58.841	2.6	7.	79.	170.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/10/72-05/17/72	11	1.23	1.332	2.255	0.301	0.402	0.634	0.381	0.845	1.898	2.227
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			21.489								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	04/10/72-05/17/72	11	7.	13.364	49.	2.	235.655	15.351	2.	2.	23.	44.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	04/10/72-05/17/72	11	0.845	0.827	1.69	0.301	0.307	0.554	0.301	0.301	1.362	1.638
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.716								
31640	FECAL COLIFORM,MPN,IN SHELLFISH,EC MED,44.5C	04/07/72-04/22/72	3	330.	1320.	3300.	330.	2940300.	1714.73	**	**	**	**
31640	LOG FECAL COLIFORM,MPN,IN SHELLFISH,EC MED,44.5C	04/07/72-04/22/72	3	2.519	2.852	3.519	2.519	0.333	0.577	**	**	**	**
31640	GM FECAL COLIFORM,MPN,IN SHELLFISH,EC MED,44.5C	GEOMETRIC MEAN =			710.963								
39364	DDD IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
39374	DDT IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
39520	PCBS IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	04/18/72-04/18/72	1	18.	18.	18.	18.	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/08/72-04/08/72	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	1	1.79	1.79	1.79	1.79	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	1	4.05	4.05	4.05	4.05	0.	0.	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	1	19.32	19.32	19.32	19.32	0.	0.	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	04/08/72-04/08/72	1	1.47	1.47	1.47	1.47	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	04/08/72-04/08/72	1	0.29	0.29	0.29	0.29	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: GOGA0377

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	11	0	0.00	2	0	0.00				9	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	11	0	0.00	2	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: GOGA0378

NPS Station ID: GOGA0378
LAT/LON: 37.893890/-122.402374
Agency: 1119REG9
Date Created: / /
Location: 600 FT OUT, OFF END OF PIER 29
FIPS State/County: 06075 CALIFORNIA/SAN FRANCISCO
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000085
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050002000203.73
RF3 Mile Point: 5.47
Distance from RF3: 0.05
On/Off RF3:
Description:
CITY OF SAN FRANCISCO, NORTH POINT SEWAGE TREATMENT PLANT, SAN FRANCISCO COUNTY. THIS IS A MUNICIPAL SEDIMENT STATION. THIS STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY 600 FT OFF THE END OF PIER 29 ON A RADIAL EXTENDING FROM PIER 29. THIS STATION IS LABELED B-29-2. THE DATA IS FROM THE SELF-MONITORING PROGRAM.

Parameter Inventory for Station: GOGA0378

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: GOGA0379

NPS Station ID: GOGA0379
LAT/LON: 37.894552/-122.560786
Agency: 11NPSWRD
Date Created: 07/18/98
Location: CAMINO DEL CANYON ABOVE SLIDE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GOGA_NPS_1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT CAMINO DEL CANYON ABOVE THE SLIDE AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED FROM 19 NOVEMBER 1997 THROUGH 31 MARCH 1998 IN ORDER TO DETERMINE THE EFFECT OF GOLDEN GATE DAIRY STABLES ON THE REDWOOD CREEK WATERSHED. THE RESULTS ARE IN "WINTER 1997-1998 WATER QUALITY MONITORING AT GOLDEN GATE TRIBUTARY" BY DARREN FONG AND LEANNE CANEVARO (NATIONAL PARK SERVICE-GOLDEN GATE NATIONAL RECREATION AREA-DIVISION OF RESOURCE MANAGEMENT AND PLANNING; JUNE 1998). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BLDG 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0379

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/97-03/31/98	9	11.	10.611	15.	3.	11.111	3.333	3.	9.5	12.5	15.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/19/97-03/31/98	9	140.	134.444	200.	100.	1102.778	33.208	100.	105.	155.	200.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/97-03/31/98	8	10.2	10.35	12.4	9.2	1.071	1.035	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/19/97-03/31/98	9	7.9	8.444	10.8	7.8	1.003	1.001	7.8	7.8	8.9	10.8
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/19/97-03/31/98	9	7.9	8.031	10.8	7.8	1.195	1.093	7.8	7.8	8.9	10.8
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/97-03/31/98	9	0.013	0.009	0.016	0.	0.	0.007	0.	0.001	0.016	0.016
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/19/97-03/31/98	10 ##	50.	77.5	200.	25.	2562.5	50.621	27.5	50.	100.	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 time series plot

EPA Water Quality Criteria Analysis for Station: GOGA0379

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
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	Other-Lo Lim.	4.	8	0	0.00				5	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	9	2	0.22				4	2	0.50	5	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00				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: GOGA0380

NPS Station ID: GOGA0380 LAT/LON: 37.895830/-122.490843 Agency: 21CAL-84 Date Created: 02/15/86
Location: CENTRAL SAN FRANCISCO BAY: NORTH RICHARDSON BAY FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY/NRSHRE STORET Station ID(s): SHNWSF18 /265 /TIBURON
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 3 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002036 RF1 Mile Point: 13.170 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 18050002003621.98 RF3 Mile Point: 23.52 Distance from RF3: 0.05 On/Off RF3:
Description:
LOCATION: NORTHERN RICHARDSON BAY, SOUTHWESTERN SHORELINE OF TIBURON PENINSULA APPROXIMATELY 2.2 KM NORTH-WEST OF BELVEDERE LAGOON. HISTORY: ESTABLISHED MID-1980 FOR MONITORING FISH AND CRUSTACEANS IN SHALLOW AREAS OF SAN FRANCISCO BAY; SAMPLED MONTHLY FROM AUG 1980 TO DATE; PROJECT ONGOING; THIS STATION IS SAMPLED REGULARLY. DATA TYPES: STATION NO.; DATE; SURVEY NO.; SURFACE TEMPERATURE AND EC; WAVES; CLOUD COVER; DEPTH AT START OF TOW(S); NET TYPE; TOW NO., LENGTH, WIDTH, TIME, AND CATCH CODE FOR EACH TOW; NUMBERS OF FISH AND CRUSTACEANS CAUGHT BY SPECIES, AND LENGTH FREQUENCIES. SAMPLING TECHNIQUES: TWO TOWS ARE USUALLY COMPLETED AT EACH STATION USING A 50FT X 4FT BEACH SEINE WITH 1/8 INCH DELTA MESH. EACH STATION IS SAMPLED MONTHLY DURING THE EARLY STAGES, OR AT THE BEGINNING OF AN INCOMING TIDE (DURING DAYLIGHT HOURS). FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH AND GAME: 209-466-4421

Parameter Inventory for Station: GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	68	16.35	16.097	26.4	5.3	22.644	4.759	10.45	12.05	19.375	23.05
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	69	42100.	40023.464	54563.	6657.	104842540.488	10239.265	25300.	36874.	46878.	50100.

** - Less than 9 observations ## - 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 1980 - Station GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	3	13.6	13.567	18.5	8.6	24.503	4.95	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	4	50499.	50390.25	54563.	46000.	21807610.917	4669.862	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	5	14.1	17.06	26.4	12.2	35.313	5.942	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	5	43600.	41900.	46800.	32300.	35095000.	5924.103	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	11	20.1	18.091	24.6	9.9	32.325	5.685	10.22	12.	24.	24.48
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	11	42100.	36652.182	45441.	13100.	106544216.164	10322.026	15540.	28800.	44237.	45312.8

** - 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 GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	15.1	16.183	23.5	11.	22.676	4.762	11.15	12.	21.5	23.35
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	33799.	29750.833	40350.	6657.	108291908.697	10406.34	9148.8	25351.25	37607.5	39594.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	14.95	14.975	21.	7.3	23.895	4.888	8.11	10.5	19.375	21.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	44105.	43919.083	51584.	30793.	34304224.265	5856.981	33315.1	39995.25	49119.5	50958.8

** - 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 1985 - Station GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	16.35	14.817	19.	5.3	18.752	4.33	6.56	11.35	18.525	19.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	48749.	47572.833	50760.	41514.	9802267.242	3130.857	41761.8	45306.75	49983.	50646.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	16.	16.933	25.	12.	15.666	3.958	12.3	14.	20.05	24.19
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	40932.	37748.25	50323.	11070.	128582325.114	11339.415	13854.	35153.75	44699.	49608.1

** - 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 1987 - Station GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	1	14.7	14.7	14.7	14.7	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	1	39492.	39492.	39492.	39492.	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: 5/15 to 10/09 - Station GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	26	19.55	20.315	26.4	16.2	8.625	2.937	16.5	18.25	23.	24.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	27	45441.	44322.963	54563.	26057.	42779568.652	6540.609	36465.2	40350.	49536.	50924.8

** - 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: 10/10 to 1/14 - Station GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	19	12.	12.611	19.5	5.3	12.587	3.548	7.3	10.5	15.2	17.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	19	42688.	42399.526	54288.	26509.	41267890.263	6424.009	34609.	37240.	46800.	50380.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	23	13.1	14.209	24.6	9.5	13.608	3.689	10.2	12.	15.5	20.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	23	36788.	33013.391	49500.	6657.	160798852.976	12680.649	11882.	25116.	43457.	46366.

** - Less than 9 observations ## - Computed 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: GOGA0381

NPS Station ID: GOGA0381 LAT/LON: 37.895829/-122.458338 Agency: 21CAL-87 Date Created: 02/15/86
Location: SAN FRANCISCO BAY- PARADISE BEACH COUNTY PARK FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): SHNWSF30 /FWS34
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 2 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002036 RF1 Mile Point: 5.830 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 18050002003403.83 RF3 Mile Point: 15.20 Distance from RF3: 0.05 On/Off RF3:
Description:
LOCATION- THE BEACH ON THE WEST SIDE OF SAN FRANCISCO BAY IN PARADISE BEACH COUNTY PARK ABOUT 30 YDS. WEST OF THE FISHING PIER.
HISTORY- SAMPLED SINCE 1980, SITE SOMETIMES (ALLED TIBURON BEACH DATA TYPES- WATER TEMPERATURE (ALL YEARS), TURBIDITY (1983), LENGTH AND TOTAL NUMBER OF ALL SPECIES CAUGHT (ALL YEARS), TAGGED SAMPLES ARE KEPT AND RECORDED.
SAMPLING TECHNIQUES- TYPICAL BEACH SEINING PROCEDURE USING A 4' X 50' NET WITH A 4' X 4' BAG. SAMPLING AREA FLUCTUATES WITH THE TIDE LEVEL.
FOR TECHNICAL DETAILS CONTACT U.S. FISH AND WILDLIFE SERVICE (209) 466-4421

Parameter Inventory for Station: GOGA0381

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0382

NPS Station ID: GOGA0382 LAT/LON: 37.896801/-122.574318 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK DOWNSTREAM FROM CATHEDRAL GROVE FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB94S_12
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK DOWNSTREAM OF CATHEDRAL GROVE IN MUIR WOODS NATIONAL MONUMENT AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. ONE SAMPLE FOR THIS SITE WAS COLLECTED ON 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0382

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	1	11.3	11.3	11.3	11.3	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/25/94-04/25/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/94-04/25/94	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	1	1.3	1.3	1.3	1.3	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: GOGA0382

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
82078	TURBIDITY, FIELD	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: GOGA0383

NPS Station ID: GOGA0383 LAT/LON: 37.900860/-122.577559 Agency: 11NPSWRD Date Created: 07/18/98
Location: FERN CREEK AT THE MOUTH IN MUIR WOODS N.M. FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB94S_11
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT FERN CREEK AT THE MOUTH AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. ONE SAMPLE FOR THIS SITE WAS COLLECTED ON 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0383

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	1	11.6	11.6	11.6	11.6	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/25/94-04/25/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/94-04/25/94	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	1	11.	11.	11.	11.	0.	0.	**	**	**	**
47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	1	1.9	1.9	1.9	1.9	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: GOGA0383

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
82078	TURBIDITY, FIELD	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: GOGA0384

NPS Station ID: GOGA0384 LAT/LON: 37.900833/-122.466673 Agency: 21CAL-84 Date Created: 02/15/86
Location: CENTRAL SAN FRANCISCO BAY: EAST TIBURON PENIN. FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY/NRSHRE STORET Station ID(s): SHNWSF31 /264 /PARADISE BCH
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 3 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002036 RF1 Mile Point: 5.290 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 18050002003607.90 RF3 Mile Point: 11.40 Distance from RF3: 0.06 On/Off RF3:
Description:
LOCATION: PARADISE BEACH; NORTHEASTERN SHORELINE OF TIBURON PENINSULA APPROXIMATELY 1.8 KM NORTH-WEST OF POINT CHAUNCEY.
HISTORY: ESTABLISHED MID-1980 FOR MONITORING FISH AND CRUSTACEANS IN SHALLOW AREAS OF SAN FRANCISCO BAY; SAMPLED MONTHLY FROM AUG 1980 TO DATE; PROJECT ONGOING; THIS STATION IS SAMPLED REGULARLY. DATA TYPES: STATION NO.; DATE; SURVEY NO.; SURFACE TEMPERATURE AND EC; WAVES; CLOUD COVER; DEPTH AT START OF TOW(S); NET TYPE; TOW NO., LENGTH, WIDTH, TIME, AND CATCH CODE FOR EACH TOW; NUMBERS OF FISH AND CRUSTACEANS CAUGHT BY SPECIES, AND LENGTH FREQUENCIES. SAMPLING TECHNIQUES: TWO TOWS ARE USUALLY COMPLETED AT EACH STATION USING A 50FT X 4FT BEACH SEINE WITH 1/8 INCH DELTA MESH. EACH STATION IS SAMPLED MONTHLY DURING THE EARLY STAGES, OR AT THE BEGINNING OF AN INCOMING TIDE (DURING DAYLIGHT HOURS). FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH AND GAME: 209-466-4421

Parameter Inventory for Station: GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	77	15.9	15.278	21.2	7.	12.268	3.503	10.4	12.4	18.5	19.52
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	78	37970.5	34214.474	47515.	2214.	122731718.175	11078.435	16884.	28883.5	42251.	44099.

** - Less than 9 observations ## - 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 1980 - Station GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	4	13.55	14.225	18.5	11.3	10.289	3.208	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	5	41700.	43168.2	46658.	39400.	10693719.2	3270.125	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	16.6	16.333	21.2	11.7	8.31	2.883	12.	13.8	18.775	20.57
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	42504.	39109.	47000.	27200.	49709408.364	7050.49	27260.	31450.	43700.	46100.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	17.15	15.408	20.	9.	17.284	4.157	9.45	11.025	19.075	20.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	29908.5	27364.917	37600.	9820.	84841362.265	9210.937	11944.	19400.	35395.25	37377.7

** - 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 1983 - Station GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	15.5	15.208	20.	9.9	14.523	3.811	9.93	11.775	18.875	20.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	21538.	20988.	33504.	2629.	92475095.636	9616.397	4624.3	13685.25	30715.75	33000.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	14.85	14.383	19.	9.	12.834	3.582	9.12	11.075	17.4	19.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	38483.5	36285.	41748.	17810.	47055115.455	6859.673	22128.5	33151.5	41350.5	41697.6

** - 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 1985 - Station GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	15.75	14.567	19.4	7.	16.686	4.085	7.6	10.875	18.3	19.16
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	43617.5	43316.417	47515.	37765.	7377376.265	2716.133	38216.5	42462.	44170.5	47344.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	12	15.95	16.25	20.9	12.3	7.992	2.827	12.51	13.975	18.825	20.78
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	12	38960.	34162.667	46512.	2214.	172692278.606	13141.243	5252.4	34291.25	41446.5	45098.4

** - 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 1987 - Station GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	1	13.7	13.7	13.7	13.7	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	1	38176.	38176.	38176.	38176.	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: 5/15 to 10/09 - Station GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	30	18.7	18.55	21.2	16.	1.889	1.374	16.71	17.3	19.55	20.45
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	31	41520.	38201.774	47000.	18473.	58610443.247	7655.746	23126.2	34400.	43428.	46049.2

** - 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 #2: 10/10 to 1/14 - Station GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	21	13.	13.248	18.5	7.	8.691	2.948	9.18	10.9	15.9	16.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	21	38848.	36548.429	46945.	16740.	67360775.757	8207.361	22961.6	33197.	43237.5	46126.4

** - 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: 1/15 to 5/14 - Station GOGA0384

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/23/80-01/20/87	26	13.3	13.142	19.1	9.	7.097	2.664	9.28	11.325	14.325	17.09
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/27/80-01/20/87	26	32014.5	27575.269	47515.	2214.	183660351.085	13552.135	7284.7	15841.75	38550.	42902.3

** - 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

Station Inventory for Station: GOGA0385

NPS Station ID: GOGA0385 LAT/LON: 37.901525/-122.577180 Agency: 11NPSWRD Date Created: 07/11/98
Location: FERN CREEK 500 FEET UPSTREAM FROM REDWOOD CREEK FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_F178_4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT FERN CREEK APPROXIMATELY 500 FEET UPSTREAM FROM REDWOOD CREEK AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES WERE COLLECTED 14 FEBRUARY 1988 AND 10 APRIL 1988. THE RESULTS ARE IN "SPAWNING AND REARING OF SALMONIDS IN REDWOOD CREEK; MARIN COUNTY; CALIFORNIA" BY JAMES S. FERRIS (DEPARTMENT OF FORESTRY AND RESOURCE MANAGEMENT- UNIVERSITY OF CALIFORNIA AT BERKELEY-FORESTRY 178 PROJECT; 1 MAY 1988). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0385

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/88-04/10/88	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/14/88-04/10/88	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/14/88-04/10/88	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/14/88-04/10/88	2	7.26	7.26	8.	7.	0.616	0.785	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/88-04/10/88	2	0.055	0.055	0.1	0.01	0.004	0.064	**	**	**	**
81380	VELOCITY OF DISCHARGE, METERS/SECOND	02/14/88-04/10/88	2	0.35	0.35	0.4	0.3	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: GOGA0385

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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

Station Inventory for Station: GOGA0386

NPS Station ID: GOGA0386 LAT/LON: 37.902527/-122.582589 Agency: 11NPSWRD Date Created: 07/11/98
Location: REDWOOD CREEK 650 FT NORTH OF MUIR WOODS N.M. FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_F178_5
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK APPROXIMATELY 650 FEET NORTH OF THE NORTHERN BORDER OF MUIR WOODS NATIONAL MONUMENT AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. SAMPLES FOR THIS SITE WERE COLLECTED 14 FEBRUARY 1988 AND 10 APRIL 1988. THE RESULTS ARE IN "SPAWNING AND REARING OF SALMONIDS IN REDWOOD CREEK; MARIN COUNTY; CALIFORNIA" BY JAMES S. FERRIS (DEPARTMENT OF FORESTRY AND RESOURCE MANAGEMENT-UNIVERSITY OF CALIFORNIA AT BERKELEY-FORESTRY 178 PROJECT; 1 MAY 1988). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISCO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0386

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/14/88-04/10/88	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/14/88-04/10/88	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/14/88-04/10/88	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/14/88-04/10/88	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/88-04/10/88	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
81380	VELOCITY OF DISCHARGE, METERS/SECOND	02/14/88-04/10/88	2	0.35	0.35	0.5	0.2	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: GOGA0386

Parameter				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			----------n/a----------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00406	PH, FIELD	Fresh Chronic	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

Station Inventory for Station: GOGA0387

NPS Station ID: GOGA0387
Location: BUOY FI 4 SEC #2
Station Type: /TYPA/AMBNT/OCEAN
RMI-Indexes:
RMI-Miles:
HUC: 18050002
Major Basin: SAN FRANCISCO BAY
Minor Basin: SAN PABLO BAY
RF1 Index: 18050002
RF3 Index: 18050002003621.09
Description:

LAT/LON: 37.902502/-122.436120
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 21.09

Agency: 1110DFID
FIPS State/County: 06000 CALIFORNIA/
STORET Station ID(s): 720229
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.39

Date Created: / /
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: GOGA0387

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0388

NPS Station ID: GOGA0388
LAT/LON: 37.903613/-122.542510
Agency: 21CAL-1
Date Created: 01/19/80
Location: ARROYO CORTE MAD PRES BL OLD MILL
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E2045301 /2032003
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 9.50
On/Off RF1:
RF3 Index: 18050002052101.26
RF3 Mile Point: 2.13
Distance from RF3: 0.01
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 40 ;
STATION NAME: ARROYO CORTE MAD PRES BL OLD MILL; DWR COUNTY CODE: 21; LATITUDE: 375413; LONGITUDE: 1223233;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01N, RANGE 06, SECTION 29RBASE M;
USGS QUADRANGLE NUMBER: . 467; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0388

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	03/10/54-03/10/54	1	55.4	55.4	55.4	55.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/10/54-03/10/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	03/10/54-03/10/54	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/10/54-03/10/54	1	154.	154.	154.	154.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/10/54-03/10/54	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/10/54-03/10/54	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/10/54-03/10/54	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/10/54-03/10/54	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/10/54-03/10/54	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/10/54-03/10/54	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/10/54-03/10/54	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/10/54-03/10/54	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/10/54-03/10/54	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/10/54-03/10/54	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/10/54-03/10/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/10/54-03/10/54	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/10/54-03/10/54	1	40.	40.	40.	40.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	03/10/54-03/10/54	1	46.	46.	46.	46.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/10/54-03/10/54	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: GOGA0388

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	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			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, 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: GOGA0389

NPS Station ID: GOGA0389 LAT/LON: 37.904190/-122.588926 Agency: 11NPSWRD Date Created: 07/18/98
Location: BUCK CREEK AT MOUTH (REDWOOD CREEK CONFLUENCE) FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB94S_10
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT BUCK CREEK AT THE MOUTH WHICH IS AT THE CONFLUENCE WITH REDWOOD CREEK AND IT IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. ONE SAMPLE FOR THIS SITE WAS COLLECTED ON 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0389

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	10.3	10.3	10.3	10.3	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/25/94-04/25/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/94-04/25/94	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	1	3.8	3.8	3.8	3.8	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: GOGA0389

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
82078	TURBIDITY, FIELD	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: GOGA0390

NPS Station ID: GOGA0390 LAT/LON: 37.904112/-122.589894 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK 300 FEET UPSTREAM OF BUCK CREEK FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB94S_09
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT REDWOOD CREEK APPROXIMATELY 300 FEET UPSTREAM OF BUCK CREEK AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. ONE SAMPLE FOR THIS SITE WAS COLLECTED ON 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0390

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	1	196.	196.	196.	196.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	1	11.8	11.8	11.8	11.8	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	1	92.	92.	92.	92.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/25/94-04/25/94	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/94-04/25/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	1	127.	127.	127.	127.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	1	1.7	1.7	1.7	1.7	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: GOGA0390

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
82078	TURBIDITY, FIELD	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: GOGA0391

NPS Station ID: GOGA0391
LAT/LON: 37.905834/-122.399172
Agency: 1110DFID
Date Created: / /
Location: BUOY FIR #6
FIPS State/County: 06000 CALIFORNIA/
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 720231
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: SAN FRANCISCO BAY
Elevation: 0
Water Body Id:
Minor Basin: SAN PABLO BAY
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 9.60
On/Off RF1: OFF
RF3 Index: 18050002003603.47
RF3 Mile Point: 6.02
Distance from RF3: 0.84
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0391

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0392

NPS Station ID: GOGA0392
Location: BUOY FIG 4 SEC
Station Type: /TYPA/AMBNT/OCEAN
RMI-Indexes:
RMI-Miles:
HUC: 18050002
Major Basin: SAN FRANCISCO BAY
Minor Basin: SAN PABLO BAY
RF1 Index: 18050002036
RF3 Index: 18050002000223.57
Description:

LAT/LON: 37.905828/-122.455284
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 5.680
RF3 Mile Point: 24.29

Agency: 1110DFID
FIPS State/County: 06000 CALIFORNIA/
STORET Station ID(s): 720233
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.40

Date Created: / /
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: GOGA0392

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0393

NPS Station ID: GOGA0393
LAT/LON: 37.906106/-122.399454
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000071
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.44
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL RECEIVING WATER STATION. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT A POINT IN RICHMOND HARBOR 200 FEET GENERALLY SOUTHEAST OF THE OUTFALL WHICH IS LOCATED AT STATION E-1. THIS SAMPLING STATION IS LABELED C-6.

Parameter Inventory for Station: GOGA0393

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: GOGA0394

NPS Station ID: GOGA0394
LAT/LON: 37.906109/-122.400011
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000070
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.41
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL RECEIVING WATER STATION. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT A POINT IN RICHMOND HARBOR 200 FEET GENERALLY SOUTH OF THE OUTFALL WHICH IS LOCATED AT STATION E-1. THIS SAMPLING STATION IS LABELED C-5.

Parameter Inventory for Station: GOGA0394

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: GOGA0395

NPS Station ID: GOGA0395
LAT/LON: 37.906106/-122.399454
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000069
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.46
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL RECEIVING WATER STATION. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT A POINT IN RICHMOND HARBOR 200 FEET GENERALLY SOUTHWEST OF THE OUTFALL WHICH IS LOCATED AT STATION E-1. THIS SAMPLING STATION IS LABELED C-4.

Parameter Inventory for Station: GOGA0395

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: GOGA0396

NPS Station ID: GOGA0396
LAT/LON: 37.906665/-122.399449
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000072
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.41
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL RECEIVING WATER STATION. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT A POINT IN RICHMOND HARBOR AT WHARFSIDE 200 FEET GENERALLY EAST OF THE OUTFALL WHICH LOCATED AT STATION E-1. THIS SAMPLING STATION IS LABELED C-7.

Parameter Inventory for Station: GOGA0396

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: GOGA0397

NPS Station ID: GOGA0397
LAT/LON: 37.906668/-122.400007
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000074
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.43
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL RECEIVING WATER STATION. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY, LOCATED IN THE RICHMOND HARBOR CHANNEL OFFSHORE FROM POINT RICHMOND AT BLACK BUOY "9". THIS SAMPLING STATION IS LABELED C-9.

Parameter Inventory for Station: GOGA0397

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: GOGA0398

NPS Station ID: GOGA0398
LAT/LON: 37.906668/-122.400007
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000076
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.43
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL SEDIMENT STATION. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT A POINT IN SAN FRANCISCO BAY LOCATED IN THE RICHMOND HARBOR ENTRANCE CHANNEL OFFSHORE FROM POINT RICHMOND AT BLACK BUOY "9". THIS STATION IS LABELED B-2.

Parameter Inventory for Station: GOGA0398

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: GOGA0399

NPS Station ID: GOGA0399
LAT/LON: 37.906668/-122.400064
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000075
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.43
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL SEDIMENT STATION. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT A POINT IN RICHMOND HARBOR LOCATED WITHIN 25 FEET OF THE POINT OF DISCHARGE WHICH IS LOCATED AT STATION E-1. THIS SAMPLING STATION IS LABELED B-1.

Parameter Inventory for Station: GOGA0399

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: GOGA0400

NPS Station ID: GOGA0400
LAT/LON: 37.906662/-122.400564
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000068
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.46
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL RECEIVING WATER STATION. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT A POINT IN RICHMOND HARBOR 200 FEET GENERALLY WEST OF THE OUTFALL WHICH IS LOCATED AT STATION E-1. THIS SAMPLING STATION IS LABELED C-3.

Parameter Inventory for Station: GOGA0400

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: GOGA0401

NPS Station ID: GOGA0401
LAT/LON: 37.906668/-122.400007
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/MUN/TREATD/OUTFL/OCEAN
STORET Station ID(s): 6000064
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 7.80
On/Off RF1: OFF
RF3 Index: 18050004003807.81
RF3 Mile Point: 12.82
Distance from RF3: 0.77
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL EFFLUENT. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT ANY POINT IN THE OUTFALL FROM THE TREATMENT FACILITIES BETWEEN THE POINT OF DISCHARGE AND THE POINT AT WHICH ALL WASTE TRIBUTARY TO THAT OUTFALL IS PRESENT. (MAY BE THE SAME AS E-1-D.) THIS SAMPLING STATION LABELED E-1.

Parameter Inventory for Station: GOGA0401

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: GOGA0402

NPS Station ID: GOGA0402
LAT/LON: 37.906668/-122.400007
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000073
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.40
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL RECEIVING WATER STATION. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT A POINT IN RICHMOND HARBOR, THE AREA ENCLOSED BY STATIONS C-1 THROUGH C-7. THIS SAMPLING STATION IS LABELED C-8.

Parameter Inventory for Station: GOGA0402

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: GOGA0403

NPS Station ID: GOGA0403
LAT/LON: 37.906668/-122.400007
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/MUN/TREATD/OUTFL/OCEAN
STORET Station ID(s): 6000065
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.43
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL EFFLUENT. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT ANY POINT IN THE DISINFECTION FACILITIES FOR WASTE E-1, AT ANY POINT ADEQUATE CONTACT WITH DISINFECTANT IS ASSURED. THIS SAMPLING STATION IS LABELED E-1-D.

Parameter Inventory for Station: GOGA0403

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: GOGA0404

NPS Station ID: GOGA0404 LAT/LON: 37.906941/-122.605291 Agency: 11NPSWRD Date Created: 07/18/98
Location: HEADWATERS OF REDWOOD CREEK BY PAN TOLL STATION FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB94S_04
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE HEADWATER RIVULET FEEDING REDWOOD CREEK AT CULVERT UNDER MATT DAVIS TRAIL NEAR PAN TOLL RANGER STATION AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. LATITUDE AND LONGITUDE COORDINATES WERE DETERMINED AT THE NEAREST AREA OF OPEN CANOPY USING A HANDHELD MAGELLAN GPS MERIDIAN. ONE SAMPLE WAS COLLECTED AT THIS SITE ON 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0404

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	1	133.	133.	133.	133.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	1	11.8	11.8	11.8	11.8	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/25/94-04/25/94	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/94-04/25/94	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	1	26.	26.	26.	26.	0.	0.	**	**	**	**
47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	1	69.4	69.4	69.4	69.4	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: GOGA0404

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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: GOGA0405

NPS Station ID: GOGA0405
LAT/LON: 37.907218/-122.400014
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000066
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.43
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL RECEIVING WATER STATION. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT A POINT IN RICHMOND HARBOR AT ITS SHORE 200 FEET GENERALLY NORTH OF THE OUTFALL WHICH IS LOCATED AT STATION E-1. THIS SAMPLING STATION IS LABELED C-1.

Parameter Inventory for Station: GOGA0405

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: GOGA0406

NPS Station ID: GOGA0406
LAT/LON: 37.907221/-122.400560
Agency: 1119REG9
Date Created: / /
Location: SF BAY NEAR BLK BUOY #9 RICHMOND
FIPS State/County: 06013 CALIFORNIA/CONTRA COSTA
Station Type: /TYPA/AMBNT/OCEAN
STORET Station ID(s): 6000067
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002002
RF1 Mile Point: 19.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002000223.57
RF3 Mile Point: 24.29
Distance from RF3: 0.42
On/Off RF3:
Description:
CITY OF RICHMOND CONTRA COSTA COUNTY - THIS IS A MUNICIPAL RECEIVING WATER STATION. THE DATA IS FROM THE SELF-MONITORING PROGRAM. THE STATION IS LOCATED AT A POINT IN RICHMOND HARBOR 200 FEET GENERALLY NORTHWEST OF THE OUTFALL WHICH IS LOCATED AT STATION E-1. THIS SAMPLING STATION IS LABELED C-2.

Parameter Inventory for Station: GOGA0406

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: GOGA0407

NPS Station ID: GOGA0407 LAT/LON: 37.909167/-122.602788 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK HEADWATERS AT BOOTJACK CAMP FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB94S_01
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE REDWOOD CREEK HEADWATERS AT BOOTJACK CAMP AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. LATITUDE AND LONGITUDE COORDINATES WERE DETERMINED AT THE NEAREST AREA OF OPEN CANOPY USING A HANDHELD MAGELLAN GPS MERIDIAN. SAMPLES FOR THIS SITE WERE COLLECTED FROM 7 MARCH 1994 THROUGH 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0407

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/94-04/25/94	2	10.65	10.65	12.3	9.	5.445	2.333	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/07/94-04/25/94	2	13.9	13.9	19.8	8.	69.62	8.344	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/07/94-03/07/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/07/94-04/25/94	2	185.	185.	210.	160.	1250.	35.355	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/07/94-04/25/94	2	11.25	11.25	12.1	10.4	1.445	1.202	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/94-04/25/94	2	91.	91.	91.	91.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/07/94-04/25/94	2	8.	8.	8.1	7.9	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/07/94-04/25/94	2	7.989	7.989	8.1	7.9	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/94-04/25/94	2	0.01	0.01	0.013	0.008	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/07/94-04/25/94	2	114.	114.	118.	110.	32.	5.657	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/94-03/07/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/94-04/25/94	2	0.18	0.18	0.22	0.14	0.003	0.057	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/07/94-04/25/94	2	0.006	0.006	0.01	0.002	0.	0.006	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/07/94-03/07/94	1	13.5	13.5	13.5	13.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/07/94-03/07/94	1	21.7	21.7	21.7	21.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/07/94-03/07/94	1	8.42	8.42	8.42	8.42	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/07/94-03/07/94	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/07/94-04/25/94	2	10.5	10.5	11.	10.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/07/94-04/25/94	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 time series plot

Parameter Inventory for Station: GOGA0407

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/07/94-03/07/94	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/07/94-03/07/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/07/94-03/07/94	1	214.	214.	214.	214.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/07/94-03/07/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/07/94-03/07/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	03/07/94-03/07/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/07/94-03/07/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/07/94-03/07/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/07/94-03/07/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/07/94-03/07/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/07/94-03/07/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/07/94-03/07/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/07/94-03/07/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/07/94-03/07/94	1	65.	65.	65.	65.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	03/07/94-03/07/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/07/94-03/07/94	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/07/94-03/07/94	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	03/07/94-03/07/94	1	12125.	12125.	12125.	12125.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/07/94-03/07/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/07/94-03/07/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/16/94-03/16/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/16/94-03/16/94	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/16/94-03/16/94	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/16/94-03/16/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.								
47501	WEATHER AT TIME OF SAMPLING	03/07/94-04/25/94	2	4.5	4.5	8.	1.	24.5	4.95	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	03/07/94-03/07/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/07/94-04/25/94	2	2.9	2.9	4.3	1.5	3.92	1.98	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GOGA0407

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00620	NITRATE NITROGEN, TOTAL 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			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00							2	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			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	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			
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			
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			
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			

& - 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: GOGA0407

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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			
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			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00							1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00							1	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			
82078	TURBIDITY, FIELD	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

Station Inventory for Station: GOGA0408

NPS Station ID: GOGA0408 LAT/LON: 37.909167/-122.602788 Agency: 11NPSWRD Date Created: 07/18/98
Location: REDWOOD CREEK HEADWATERS AT BOOTJACK CAMP FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB95A_1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE REDWOOD CREEK HEADWATERS AT BOOTJACK CAMP AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. LATITUDE AND LONGITUDE COORDINATES WERE DETERMINED AT THE NEAREST AREA OF OPEN CANOPY USING A HANDHELD MAGELLAN GPS MERIDIAN. ONE SAMPLE WAS COLLECTED ON 8 MARCH 1995 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1995" BY BY M. PODLECH; A.A. MILLER; C.M.CODEMO; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; AUG. 1995). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0408

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/08/95-03/08/95	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/08/95-03/08/95	1	11.6	11.6	11.6	11.6	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/08/95-03/08/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/08/95-03/08/95	1	145.	145.	145.	145.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/08/95-03/08/95	1	13.3	13.3	13.3	13.3	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/08/95-03/08/95	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/08/95-03/08/95	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/08/95-03/08/95	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/08/95-03/08/95	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/08/95-03/08/95	1	79.	79.	79.	79.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/08/95-03/08/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/08/95-03/08/95	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/08/95-03/08/95	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/08/95-03/08/95	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/08/95-03/08/95	1	7.59	7.59	7.59	7.59	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/08/95-03/08/95	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/08/95-03/08/95	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/08/95-03/08/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/08/95-03/08/95	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/08/95-03/08/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/08/95-03/08/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/08/95-03/08/95	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: GOGA0408

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/08/95-03/08/95	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	03/08/95-03/08/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/08/95-03/08/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/08/95-03/08/95	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/08/95-03/08/95	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/08/95-03/08/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/08/95-03/08/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/08/95-03/08/95	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/08/95-03/08/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/08/95-03/08/95	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	03/08/95-03/08/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/08/95-03/08/95	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/08/95-03/08/95	1	66.	66.	66.	66.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	03/08/95-03/08/95	1	9333.	9333.	9333.	9333.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/08/95-03/08/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	03/08/95-03/08/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/08/95-03/08/95	1	0.021	0.021	0.021	0.021	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	03/08/95-03/08/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/08/95-03/08/95	1	5.9	5.9	5.9	5.9	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: GOGA0408

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
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			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	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			
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			
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			
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			
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			
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			
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			
82078	TURBIDITY, FIELD	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: GOGA0409

NPS Station ID: GOGA0409 LAT/LON: 37.909162/-122.603892 Agency: 11NPSWRD Date Created: 07/18/98
Location: HEADWATERS OF REDWOOD CREEK BY BOOTJACK RESTROOM FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB94S_05
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE HEADWATER RIVULET FEEDING REDWOOD CREEK NEAR THE BOOTJACK RESTROOMS AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. LATITUDE AND LONGITUDE COORDINATES WERE DETERMINED AT THE NEAREST AREA OF OPEN CANOPY USING A HANDHELD MAGELLAN GPS MERIDIAN. ONE SAMPLE WAS COLLECTED AT THIS SITE ON 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0409

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	12.1	12.1	12.1	12.1	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	1	135.	135.	135.	135.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/25/94-04/25/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/94-04/25/94	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	1	5.9	5.9	5.9	5.9	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: GOGA0409

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
82078	TURBIDITY, FIELD	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: GOGA0410

NPS Station ID: GOGA0410
LAT/LON: 37.909189/-122.603926
Agency: 11NPSWRD
Date Created: 07/18/98
Location: 5 FEET NORTH OF GOGA_ICB94S_5
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GOGA_ICB94S_06
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050003030300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE HEADWATER RIVULET FEEDING REDWOOD CREEK NEAR THE BOOTJACK RESTROOMS 5 FEET TO THE NORTH OF GOGA_ICB94S_5 AND IS WITHIN THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. LATITUDE AND LONGITUDE COORDINATES WERE DETERMINED AT THE NEAREST AREA OF OPEN CANOPY USING A HANDHELD MAGELLAN GPS MERIDIAN. ONE SAMPLE WAS COLLECTED AT THIS SITE ON 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0410

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/94-04/25/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	1	187.	187.	187.	187.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/25/94-04/25/94	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/94-04/25/94	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	1	123.	123.	123.	123.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	1	4.6	4.6	4.6	4.6	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: GOGA0410

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
82078	TURBIDITY, FIELD	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: GOGA0411

NPS Station ID: GOGA0411
LAT/LON: 37.910085/-122.581590
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-301 ALICE EASTWOOD CREEK DIVERSION
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): 021/301-AE CRK
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 26.90
On/Off RF1:
RF3 Index: 18050005018500.00
RF3 Mile Point: 2.12
Distance from RF3: 0.03
On/Off RF3:
Description:
DIST 04 MT TAMALPAIS STATE PARK

Parameter Inventory for Station: GOGA0411

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: GOGA0412

NPS Station ID: GOGA0412 LAT/LON: 37.910554/-122.594454 Agency: 11NPSWRD Date Created: 07/18/98
Location: HEADWATERS OF REDWOOD CREEK BY HIGHWAY MILE 4.2 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB94S_07
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE HEADWATER RIVULET FEEDING REDWOOD CREEK AT PANORAMIC HIGHWAY MILE MARKER 4.2 AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. LATITUDE AND LONGITUDE COORDINATES WERE DETERMINED AT THE NEAREST AREA OF OPEN CANOPY USING A HANDHELD MAGELLAN GPS MERIDIAN. ONE SAMPLE WAS COLLECTED AT THIS SITE ON 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0412

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/25/94-04/25/94	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/94-04/25/94	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	1	9.7	9.7	9.7	9.7	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: GOGA0412

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
82078	TURBIDITY, FIELD	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: GOGA0413

NPS Station ID: GOGA0413 LAT/LON: 37.913888/-122.583901 Agency: 11NPSWRD Date Created: 07/18/98
Location: HEADWATERS OF REDWOOD CREEK BY HIGHWAY MILE 3.2 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): GOGA_ICB94S_08
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050005 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050003030300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE SAN RAFAEL CALIFORNIA-MARIN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE HEADWATER RIVULET FEEDING REDWOOD CREEK AT PANORAMIC HIGHWAY MILE MARKER 3.2 AND IS OUTSIDE THE GOLDEN GATE NATIONAL RECREATION AREA BOUNDARIES. LATITUDE AND LONGITUDE COORDINATES WERE DETERMINED AT THE NEAREST AREA OF OPEN CANOPY USING A HANDHELD MAGELLAN GPS MERIDIAN. ONE SAMPLE WAS COLLECTED AT THIS SITE ON 25 APRIL 1994 AND THE RESULTS ARE IN "REDWOOD CREEK AQUATIC MONITORING REPORT FEBRUARY-MAY 1994" BY M. PODLECH; R.J. BROWN; AND D. KARENTZ (INSTITUTE OF CHEMICAL BIOLOGY-UNIVERSITY OF SAN FRANCISCO; SEPTEMBER 1994). FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT GOLDEN GATE NATIONAL RECREATION AREA; FORT MASON BUILDING 201; SAN FRANCISO CALIFORNIA 94123. TEL (415) 561-4620. DATA WERE PROCESSED AND UPLOADED TO STORET BY PAUL MCELVERY AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525. TEL (970) 225-3516.

Parameter Inventory for Station: GOGA0413

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/94-04/25/94	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/25/94-04/25/94	1	135.	135.	135.	135.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/25/94-04/25/94	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	04/25/94-04/25/94	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/25/94-04/25/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/25/94-04/25/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/94-04/25/94	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/94-04/25/94	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/94-04/25/94	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/25/94-04/25/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/94-04/25/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
47501	WEATHER AT TIME OF SAMPLING	04/25/94-04/25/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/25/94-04/25/94	1	7.8	7.8	7.8	7.8	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: GOGA0413

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
82078	TURBIDITY, FIELD	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: GOGA0414

NPS Station ID: GOGA0414
LAT/LON: 37.914997/-122.450006
Agency: 112WRD
Date Created: 08/22/78
Location: SAN FRANCISCO BAY A PT RICHMOND CA
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 375454122270001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 16.90
On/Off RF1:
RF3 Index: 18050002096500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.29
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0414

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/77-12/20/78	219	13.4	13.705	17.6	9.8	3.358	1.832	11.6	12.8	15.1	16.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/78-12/20/78	210	45300.	41779.048	48000.	10600.	63565778.993	7972.815	29720.	41625.	46500.	47100.
00300	OXYGEN, DISSOLVED MG/L	11/10/77-12/20/78	218	7.9	7.767	9.8	6.1	0.587	0.766	6.8	7.2	8.2	8.8
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/10/77-12/20/78	218	88.	88.216	101.	70.	51.727	7.192	78.	84.	93.	98.
00400	PH (STANDARD UNITS)	01/31/78-12/20/78	212	7.9	7.884	8.1	7.6	0.019	0.136	7.7	7.8	8.	8.
00400	CONVERTED PH (STANDARD UNITS)	01/31/78-12/20/78	212	7.9	7.862	8.1	7.6	0.019	0.138	7.7	7.8	8.	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/78-12/20/78	212	0.013	0.014	0.025	0.008	0.	0.004	0.01	0.01	0.016	0.02
00480	SALINITY - PARTS PER THOUSAND	11/10/77-12/20/78	219	29.3	26.827	31.5	6.	31.152	5.581	18.1	26.5	30.2	30.7
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/10/77-11/09/78	9	0.09	0.092	0.16	0.05	0.001	0.033	0.05	0.07	0.105	0.16
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-11/09/78	9	0.01	0.009	0.01	0.005	0.	0.002	0.005	0.008	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/10/77-11/08/78	7	0.21	0.223	0.3	0.18	0.002	0.046	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/10/77-11/09/78	9	0.2	0.222	0.3	0.2	0.002	0.044	0.2	0.2	0.25	0.3
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/10/77-11/09/78	9	0.3	0.293	0.38	0.17	0.003	0.059	0.17	0.27	0.335	0.38
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/10/77-11/09/78	9	3.3	4.389	11.	1.9	8.764	2.96	1.9	2.7	5.65	11.
70971	LIGHT, ATTENUATION COEFFICIENT (ALPHA/M)	01/31/78-12/20/78	209	4.32	5.048	15.65	1.79	5.786	2.405	2.77	3.62	5.97	8.83
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/10/77-11/09/78	9	0.12	0.12	0.21	0.06	0.002	0.044	0.06	0.09	0.135	0.21
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/10/77-11/08/78	7	0.9	0.986	1.3	0.8	0.038	0.195	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/10/77-11/08/78	7	0.03	0.03	0.03	0.03	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: GOGA0414

				Total	Exceed	Prop.	----------5/15-10/09----------			----------10/10-1/14----------			----------1/15-5/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	218	0	0.00	68	0	0.00	44	0	0.00	106	0	0.00			
00400	PH	Fresh Chronic	9.	212	0	0.00	65	0	0.00	41	0	0.00	106	0	0.00			
		Other-Lo Lim.	6.5	212	0	0.00	65	0	0.00	41	0	0.00	106	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	7	0	0.00	3	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: GOGA0415

NPS Station ID: GOGA0415 LAT/LON: 37.916662/-122.419459 Agency: 21CAL-87 Date Created: 02/15/86
Location: SAN FRANCISCO BAY. POINT MOLATE BEACH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): SHNESF42 /FWS37
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 2 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 18050002002500.36 RF3 Mile Point: 0.35 Distance from RF3: 0.09 On/Off RF3:
Description:
LOCATION- THE BEACH ON THE EAST SHORE OF SAN FRANCISCO BAY AT THE POINT MOLATE U.S. NAVAL FUEL DEPOT ABOUT 1000 YDS NORTH OF THE RICHMOND SAN RAFAEL BRIDGE. HISTORY- SAMPLED SINCE 1980
DATA TYPES- WATER TEMPERATURE (ALL YEARS), TURBIDITY (1983), LENGTH AND TOTAL NUMBER OF ALL SPECIES CAUGHT (ALL YEARS), TAGGED SAMPLES ARE KEPT AND RECORDED. SAMPLING TECHNIQUES- TYPICAL BEACH SEINING PROCEDURE USING A 4' X 50' NET WITH A 4' X 4' BAG. SAMPLING AREA FLUCTUATES WITH THE TIDE LEVEL. FOR TECHNICAL DETAILS CONTACT U.S. FISH AND WILDLIFE SERVICE (209) 466-4421

Parameter Inventory for Station: GOGA0415

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0416

NPS Station ID: GOGA0416
LAT/LON: 37.916667/-122.600256
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-301 BOOTJACK CREEK DIVERSION-RAW
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): D21/301-BTJK-RW
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.60
On/Off RF1:
RF3 Index: 18050005000403.37
RF3 Mile Point: 5.99
Distance from RF3: 0.06
On/Off RF3:
Description:
DIST 04 MT TAMALPAIS STATE PARK

Parameter Inventory for Station: GOGA0416

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: GOGA0417

NPS Station ID: GOGA0417 LAT/LON: 37.916662/-122.419459 Agency: 11RCSAL Date Created: 07/08/83
Location: SAN FRANCISCO BAY. POINT MOLATE BEACH FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): SHNESF42 /FWS37
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 2 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.20 On/Off RF1:
RF3 Index: 18050002003603.47 RF3 Mile Point: 5.58 Distance from RF3: 0.07 On/Off RF3:
Description:
LOCATION- THE BEACH ON THE EAST SHORE OF SAN FRANCISCO BAY AT THE POINT MOLATE U.S. NAVAL FUEL DEPOT ABOUT 1000 YDS NORTH OF THE RICHMOND SAN RAFAEL BRIDGE. HISTORY- SAMPLED SINCE 1980
DATA TYPES- WATER TEMPERATURE (ALL YEARS), TURBIDITY (1983), LENGTH AND TOTAL NUMBER OF ALL SPECIES CAUGHT (ALL YEARS), TAGGED SAMPLES ARE KEPT AND RECORDED. SAMPLING TECHNIQUES- TYPICAL BEACH SEINING PROCEDURE USING A 4' X 50' NET WITH A 4' X 4' BAG. SAMPLING AREA FLUCTUATES WITH THE TIDE LEVEL. FOR TECHNICAL DETAILS CONTACT U.S. FISH AND WILDLIFE SERVICE (209) 466-4421

Parameter Inventory for Station: GOGA0417

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

***** Data for this station locked by controlling agency *****

Station Inventory for Station: GOGA0418

NPS Station ID: GOGA0418
LAT/LON: 37.920836/-122.436401
Agency: 21CAL-84
Date Created: 02/15/86
Location: SAN FRANCISCO BAY NEAR RED ROCK
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY
STORET Station ID(s): RSAC018 /216
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 10.40
On/Off RF1:
RF3 Index: 18050002003603.47
RF3 Mile Point: 6.33
Distance from RF3: 0.81
On/Off RF3:
Description:
LOCATION-SAN FRANCISCO BAY CHANNEL APPROX 1.5KM SOUTH WEST OF RED ROCK. HISTORY-ESTABLISHED JAN 1980 FOR MONITORING FISH AND CRUSTACEANS IN SF BAY AND THE WEST DELTA. SAMPLED MONTHLY 1980 TO PRESENT (CURRENT). DATA TYPES-WATER TEMPERATURE AND EC, TIDE STAGE AND DIRECTION, STATION DEPTH, START AND FINISH LAT & LON OF TOW, BEARING OF TOW, DISTANCE OF TOW, NET TYPE, NUMBER OF FISH AND INVERTEBRATES BY SPECIES WITH SIZE FREQUENCY. SAMPLING TECHNIQUES-EACH STATION IS TOWED WITH A 3M X 3M MIDWATER TRAWL, A 1M X 3M OTTER TRAWL AND A .5M DIA 505 MICRON EGG AND LARUAL NET. TOWS ARE 5 AND 6 MINUTE DURATION AND TAKEN WITHOUT RESPECT TO TIDE STAGE OR DIRECTION. MIDWATER TRAWLS AND E & L TOWS ARE OBLIQUE. FOR TECHNICAL DETAILS CONTACT CALIF DEPT FISH & GAME (209) 466-4421.

Parameter Inventory for Station: GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	518	14.1	14.371	21.7	7.9	6.927	2.632	10.7	12.3	16.5	17.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	95	0.9	0.941	2.5	0.14	0.202	0.45	0.43	0.6	1.17	1.58
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	518	42000.	39823.865	51600.	6170.	77214564.001	8787.182	27900.	35000.	46873.75	48900.

** - Less than 9 observations ## - 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 1980 - Station GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	11	14.5	14.436	17.7	10.7	5.351	2.313	10.82	12.7	16.4	17.6
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	11	0.9	0.963	1.75	0.3	0.133	0.364	0.384	0.77	1.05	1.66
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	11	37851.	35243.364	50200.	11000.	107991756.055	10391.908	14556.4	29898.	40677.	49260.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	76	13.85	14.266	17.9	10.7	3.928	1.982	11.71	13.1	16.175	17.13
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	0.95	1.204	2.5	0.55	0.402	0.634	0.565	0.7	1.738	2.35
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	76	47000.	43698.684	49800.	22500.	43624664.912	6604.897	33990.	40150.	48400.	48930.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	53	14.	13.581	17.8	7.9	5.207	2.282	10.4	12.4	15.45	16.12
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	0.59	0.706	1.3	0.27	0.131	0.361	0.294	0.39	1.063	1.285
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	53	35000.	34784.038	45800.	9920.	89578408.691	9464.587	22700.	27600.	44750.	45600.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	75	14.5	14.633	21.7	9.	8.862	2.977	10.7	11.9	16.9	19.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	0.585	0.668	1.3	0.14	0.139	0.372	0.17	0.333	0.992	1.261
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	75	34100.	32136.453	47000.	6170.	95242164.494	9759.209	14920.	26100.	40400.	42540.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	84	13.4	14.67	19.1	9.9	6.527	2.555	12.1	12.7	17.775	18.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.05	1.104	1.8	0.58	0.14	0.374	0.607	0.9	1.35	1.77
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	84	42006.	40646.56	49034.	15490.	45890283.286	6774.237	31250.	37800.	44800.	47900.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	71	12.8	13.823	19.6	9.3	10.863	3.296	10.	10.5	16.6	18.8
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	1.1	1.145	2.12	0.45	0.222	0.472	0.48	0.763	1.475	1.934
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	71	46100.	44501.408	50100.	34100.	28271569.416	5317.102	34600.	43000.	48900.	49780.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	69	14.	14.406	18.3	10.3	5.965	2.442	11.7	11.95	16.75	17.9
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	0.7	0.823	2.	0.17	0.236	0.486	0.239	0.513	1.1	1.76
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	69	37900.	37126.957	46600.	7630.	62669259.719	7916.392	30800.	34800.	43650.	45100.

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

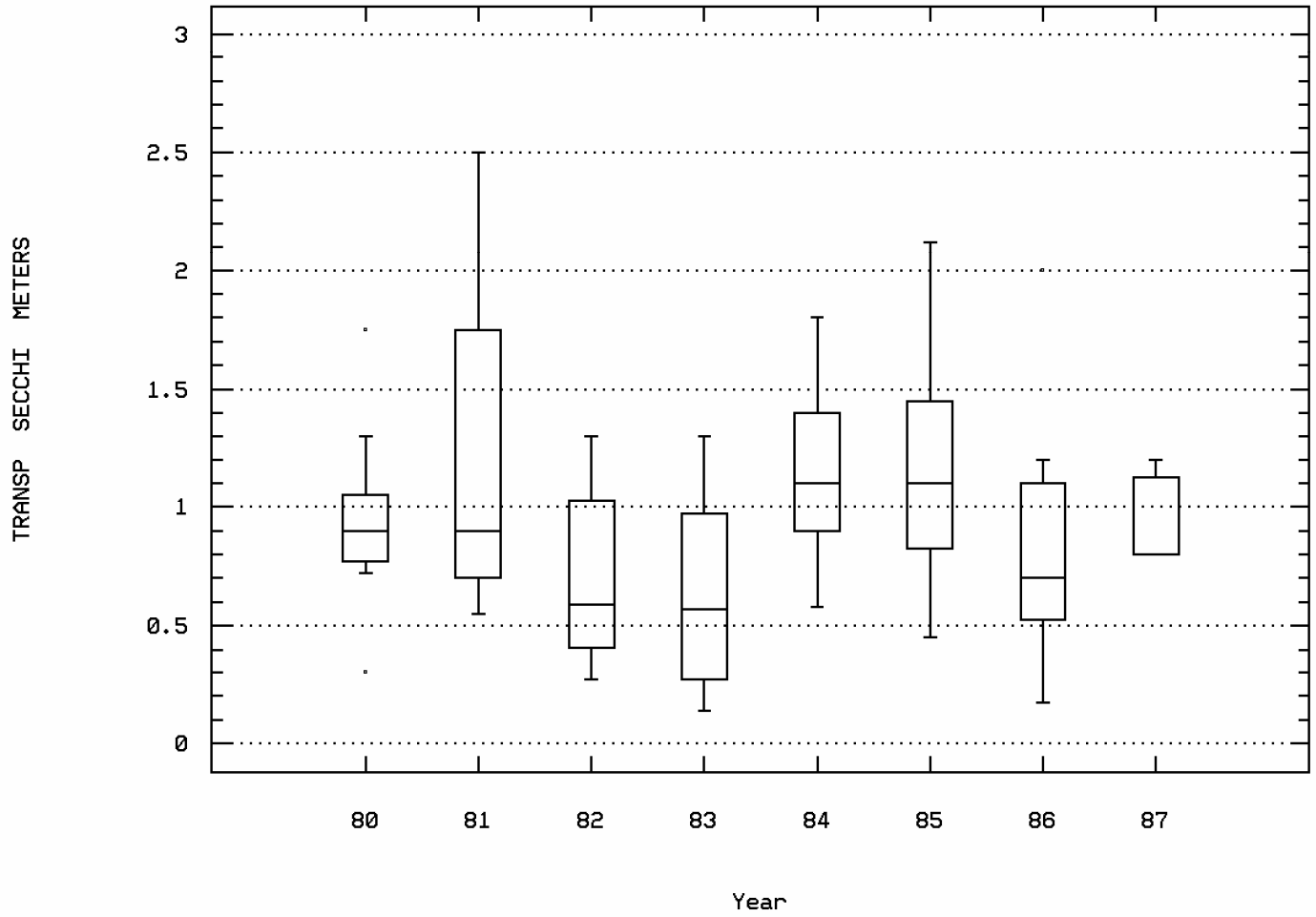
Annual Analysis for 1987 - Station GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	79	15.3	14.891	19.3	10.4	6.53	2.555	11.6	12.6	16.9	18.6
00078p	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	12	0.8	0.921	1.2	0.8	0.032	0.18	0.8	0.8	1.138	1.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	79	47100.	44690.203	51600.	29600.	34352517.676	5861.102	35900.	39700.	49600.	50100.

** - Less than 9 observations ## - Computed 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: GOGA0418 Parameter Code: 00078

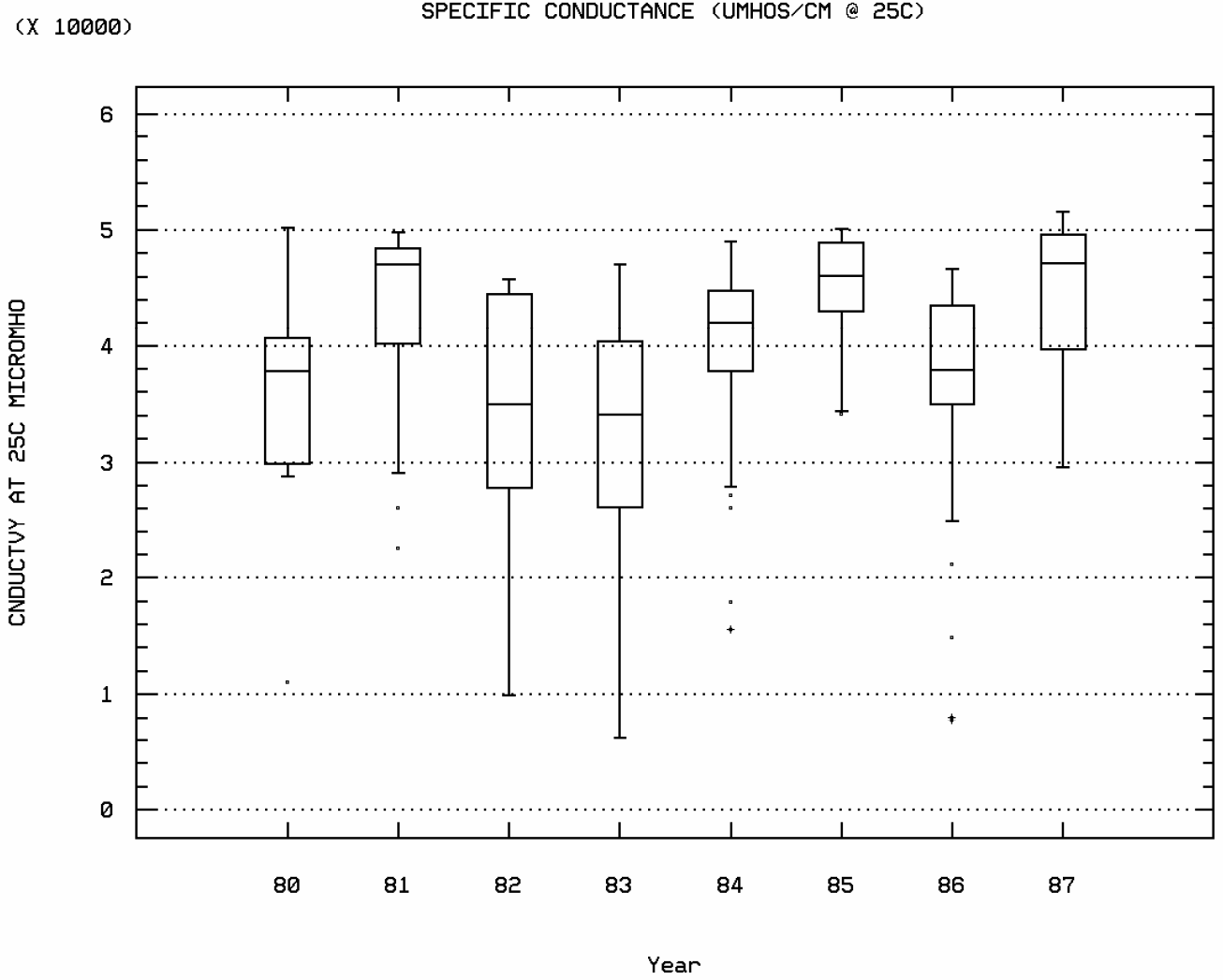
TRANSPARENCY, SECCHI DISC (METERS)



SAN FRANCISCO BAY NEAR RED ROCK

Station: GOGA0418 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SAN FRANCISCO BAY NEAR RED ROCK

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	205	16.9	17.069	21.7	14.5	1.404	1.185	15.5	16.3	17.9	18.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	39	1.	1.071	2.5	0.27	0.202	0.449	0.55	0.8	1.3	1.75
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	205	44700.	42874.273	51600.	20900.	43191481.445	6572.023	33400.	38450.	48200.	49740.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	124	12.6	12.66	16.9	7.9	3.841	1.96	10.35	10.8	14.1	15.8
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	23	0.9	1.015	2.	0.27	0.245	0.495	0.418	0.58	1.4	1.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	124	43850.	41736.46	50200.	15490.	58691599.389	7661.044	29550.	38225.	47600.	49050.

** - Less than 9 observations ## - Computed 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: 1/15 to 5/14 - Station GOGA0418

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/80-12/08/87	189	12.8	12.568	16.	9.3	1.875	1.369	10.4	11.9	13.4	14.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	01/31/80-12/08/87	33	0.7	0.738	1.7	0.14	0.12	0.346	0.264	0.475	1.	1.162
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/80-12/08/87	189	35900.	35260.397	50100.	6170.	93578259.145	9673.586	23300.	30750.	42100.	47000.

** - Less than 9 observations ## - Computed 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: GOGA0419

NPS Station ID: GOGA0419 LAT/LON: 37.921385/-122.440004 Agency: 21CAL-82 Date Created: 02/15/86
Location: N SF BAY ABOUT 1400 YDS SW OF RED ROCK FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY STORET Station ID(s): RSAC018 /MWT210
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 32 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 11.70 On/Off RF1:
RF3 Index: 18050002003603.47 RF3 Mile Point: 6.33 Distance from RF3: 0.96 On/Off RF3:
Description:
LOCATION-N SF BAY ABOUT 1400 YDS. SW OF RED ROCK. HISTORY-ESTABLISHED 1967 FOR MONITORING YOUNG STRIPED BASS FALL-WINTER ABUNDANCE. SAMPLING NOT DONE IN 1974,NOR SINCE 1978. DATA TYPES- EC, SECCHI,TEMPERATURE,(STATION DEPTH, BOAT SPEED,TIME OF TOW (FOR SOME RECENT YEARS)),NUMBER OF FISH CAUGHT BY SPECIES. SAMPLING TECHNIQUES- 12FTX12FT MIDWATER TRAWL WITH VARIABLE MESH. OBLIQUE TOWS FOR 12 MINUTES. SAMPLING DONE WITHOUT RESPECT TO TIDAL STAGE OR DIRECTION OF FLOW. FOR TECHNICAL DETAILS CONTACT CALIF FISH AND GAME 209-466-4421

Parameter Inventory for Station: GOGA0419

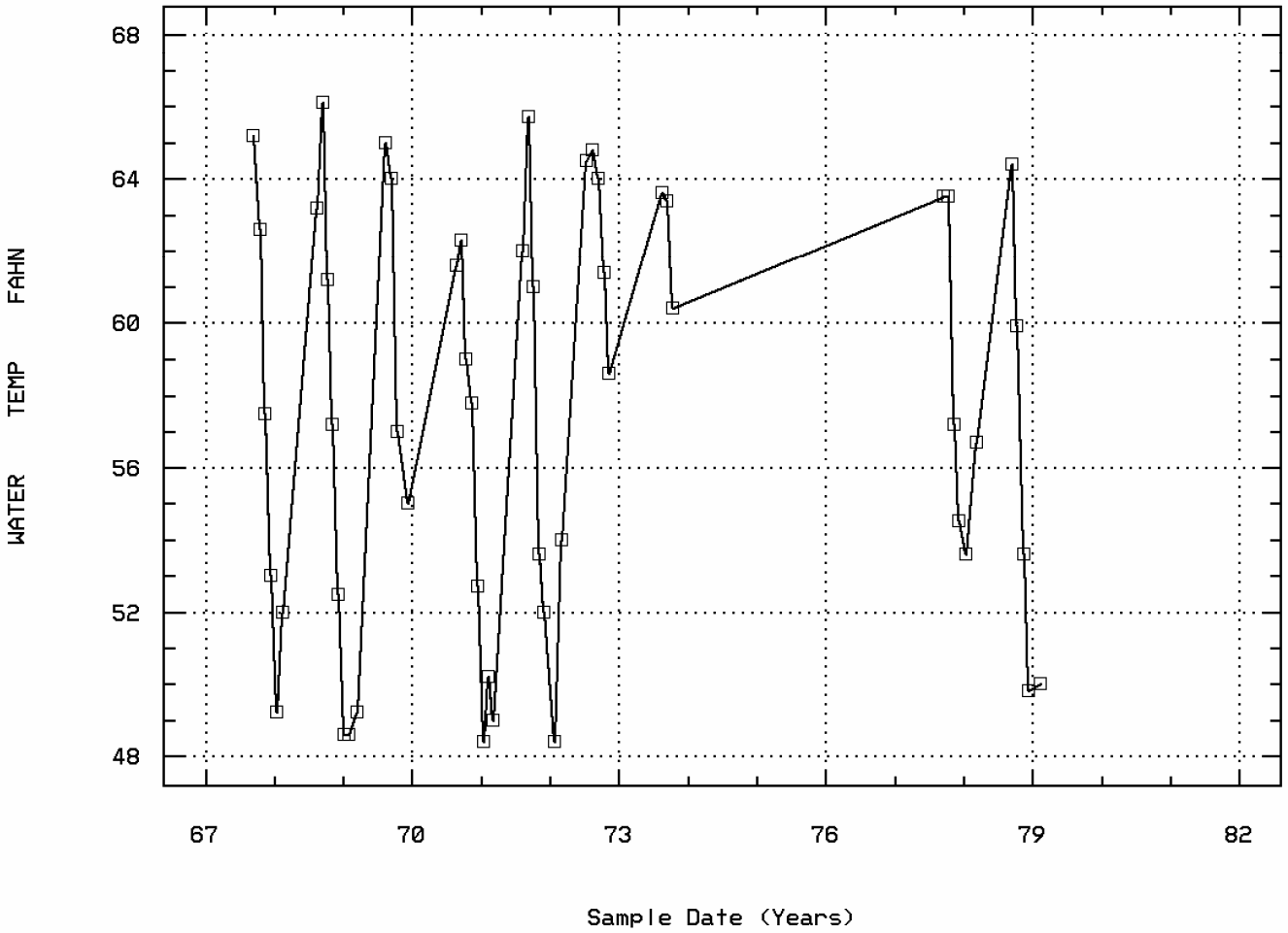
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/67-02/08/79	52	57.65	57.542	66.1	48.4	33.695	5.805	49.06	52.55	63.35	64.71
00078p	TRANSPARENCY, SECCHI DISC (METERS)	09/12/67-02/08/79	52	0.99	1.108	2.4	0.35	0.207	0.455	0.527	0.857	1.35	1.773
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/67-02/08/79	52	36950.	35685.808	50141.	6920.	69199317.962	8318.613	27246.8	31548.75	41931.	44674.8
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/12/78-02/08/79	5	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: GOGA0419 Parameter Code: 00011

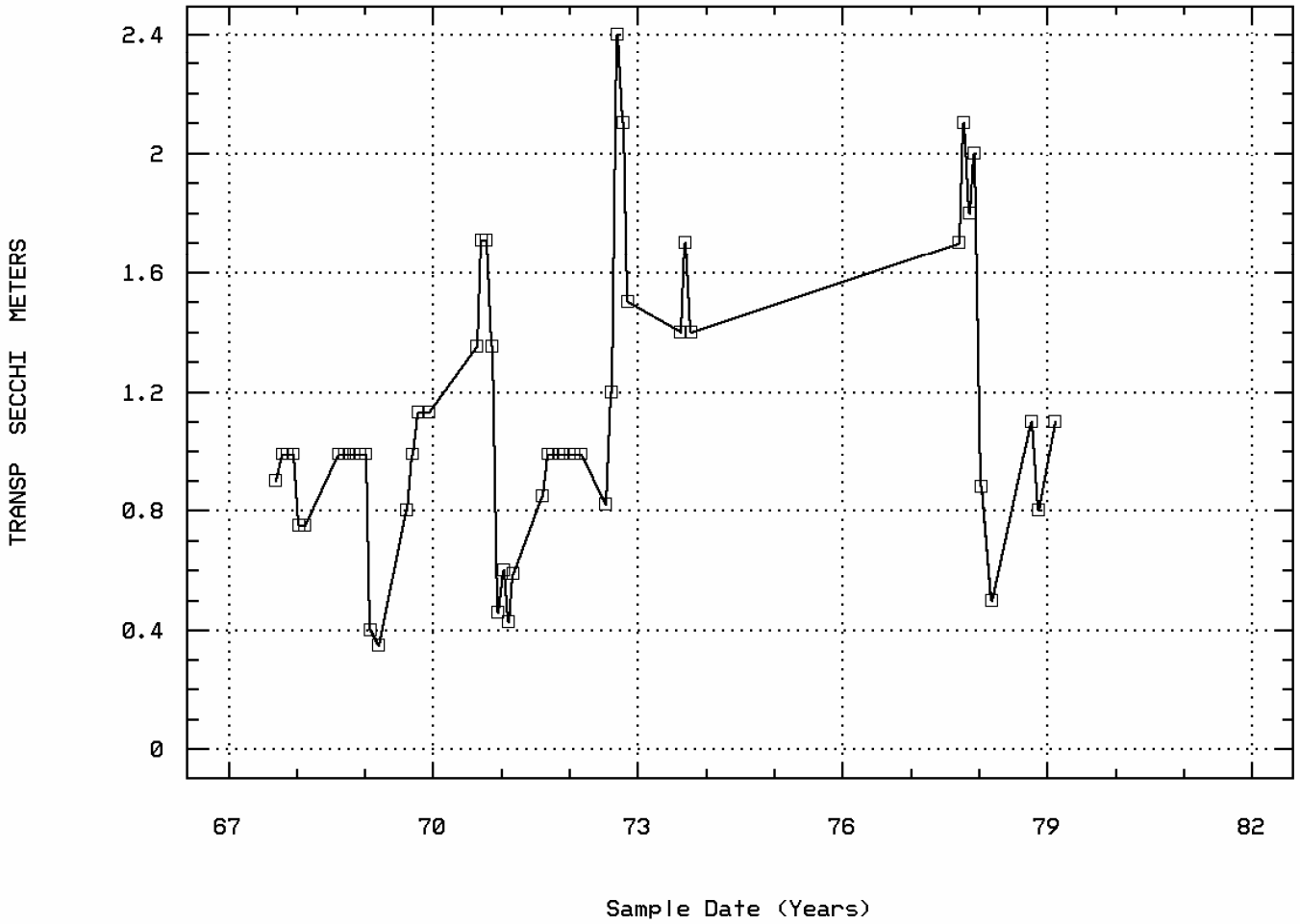
TEMPERATURE, WATER (DEGREES FAHRENHEIT)



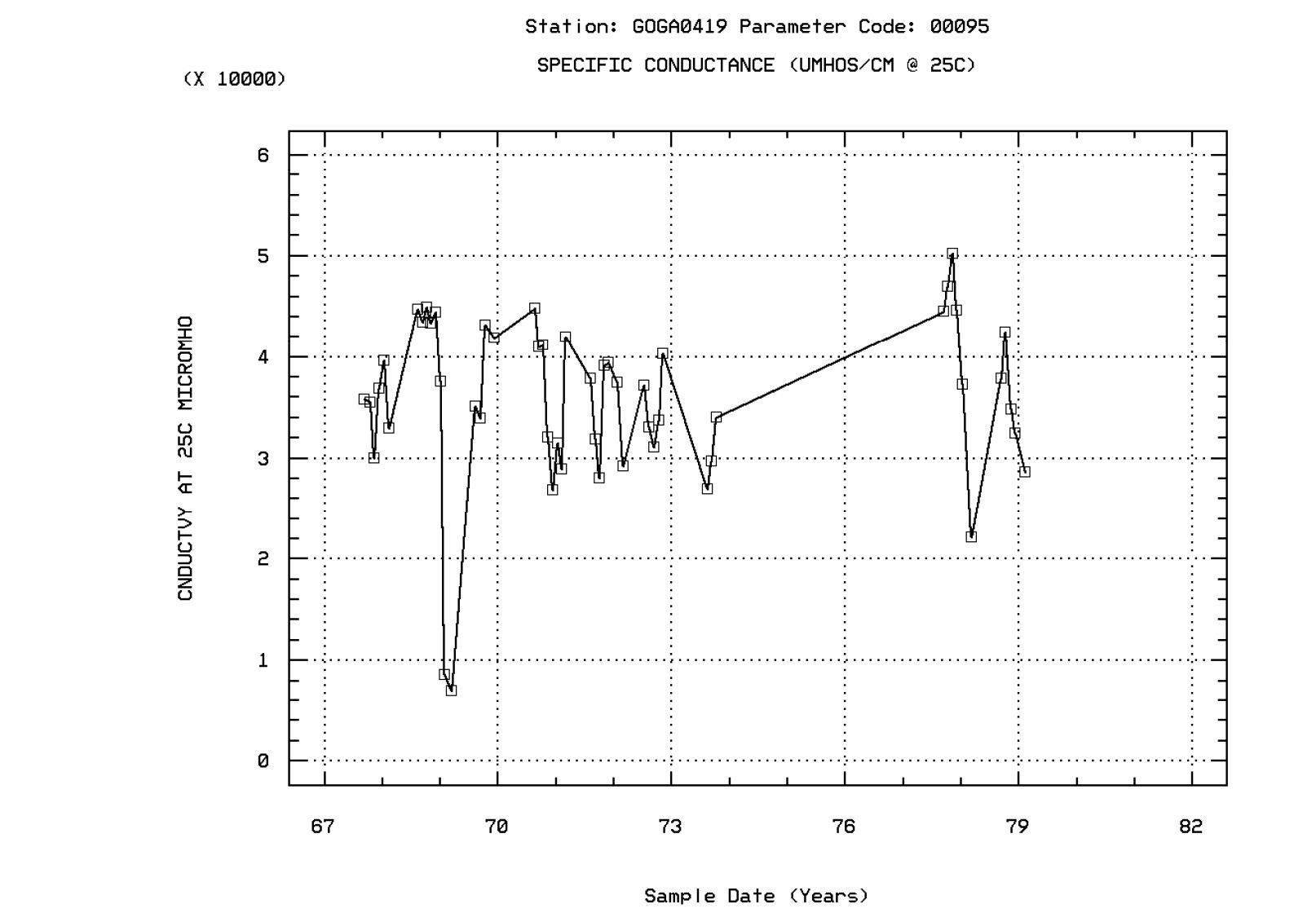
N SF BAY ABOUT 1400 YDS SW OF RED ROCK

Station: GOGA0419 Parameter Code: 00078

TRANSPARENCY, SECCHI DISC (METERS)



N SF BAY ABOUT 1400 YDS SW OF RED ROCK



N SF BAY ABOUT 1400 YDS SW OF RED ROCK

Seasonal Analysis for Season #1: 5/15 to 10/09 - Station GOGA0419

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/67-02/08/79	18	63.8	63.639	66.1	61.	2.314	1.521	61.18	62.225	64.85	65.74
00078p	TRANSPARENCY, SECCHI DISC (METERS)	09/12/67-02/08/79	18	0.99	1.209	2.4	0.8	0.181	0.426	0.818	0.968	1.475	1.779
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/67-02/08/79	18	36400.	36722.389	44860.	26924.	36676704.84	6056.13	27892.4	31614.5	43660.	44806.

** - Less than 9 observations ## - Computed 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: 10/10 to 1/14 - Station GOGA0419

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/67-02/08/79	24	56.	55.808	63.5	48.4	17.714	4.209	49.2	52.775	58.9	62.
00078p	TRANSPARENCY, SECCHI DISC (METERS)	09/12/67-02/08/79	24	0.995	1.208	2.1	0.46	0.201	0.448	0.7	0.99	1.475	2.05
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/67-02/08/79	24	38283.	38280.042	50141.	26830.	33519499.868	5789.603	30732.5	33769.5	42917.5	45781.5

** - 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

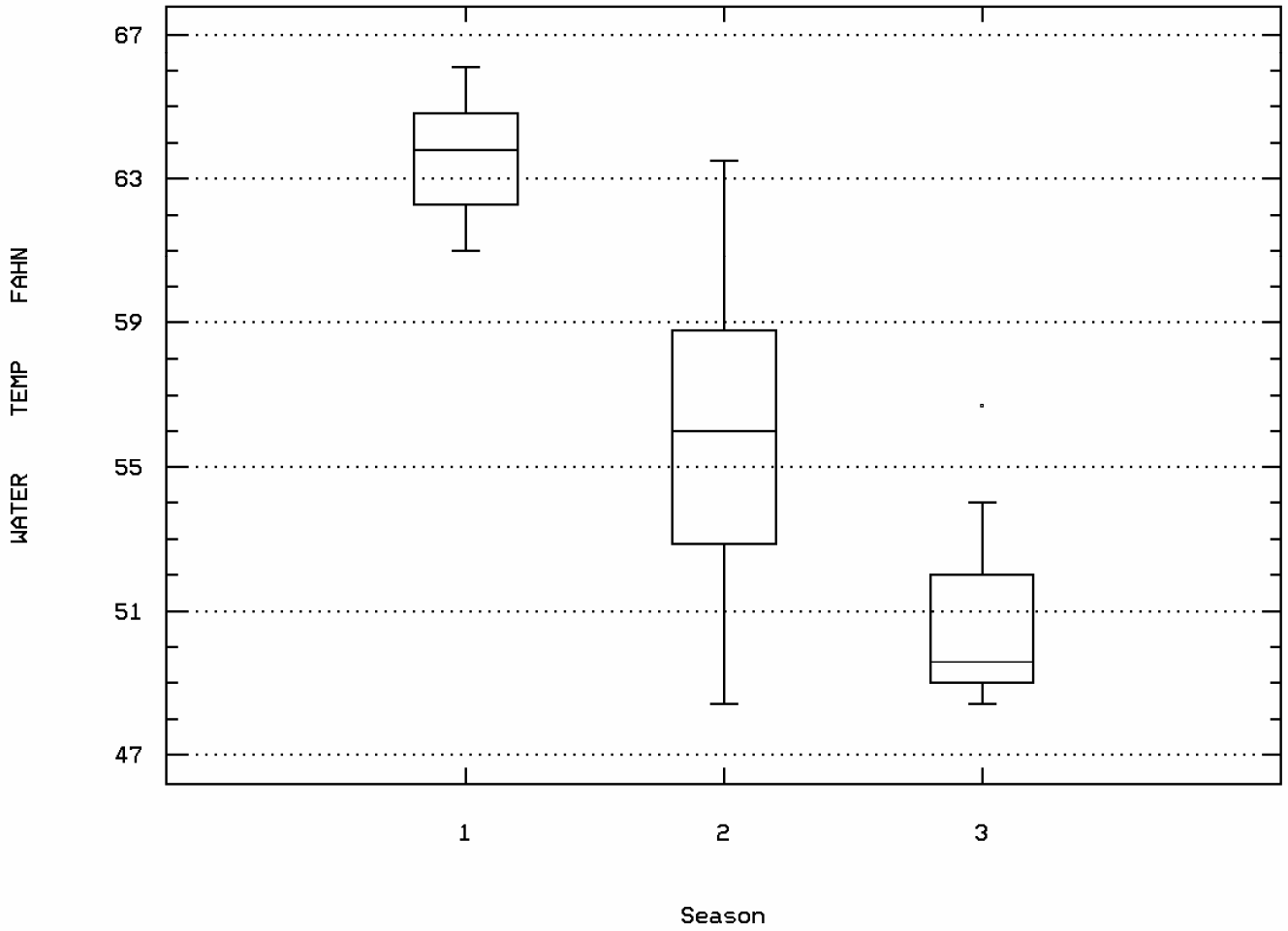
Seasonal Analysis for Season #3: 1/15 to 5/14 - Station GOGA0419

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/67-02/08/79	10	49.6	50.73	56.7	48.4	7.378	2.716	48.42	48.9	52.5	56.43
00078p	TRANSPARENCY, SECCHI DISC (METERS)	09/12/67-02/08/79	10	0.67	0.685	1.1	0.35	0.074	0.273	0.355	0.423	0.99	1.089
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/67-02/08/79	10	28993.	27593.8	41958.	6920.	144338293.733	12014.087	7083.	18738.	37950.	41722.2

** - 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: GOGA0419 Parameter Code: 00011

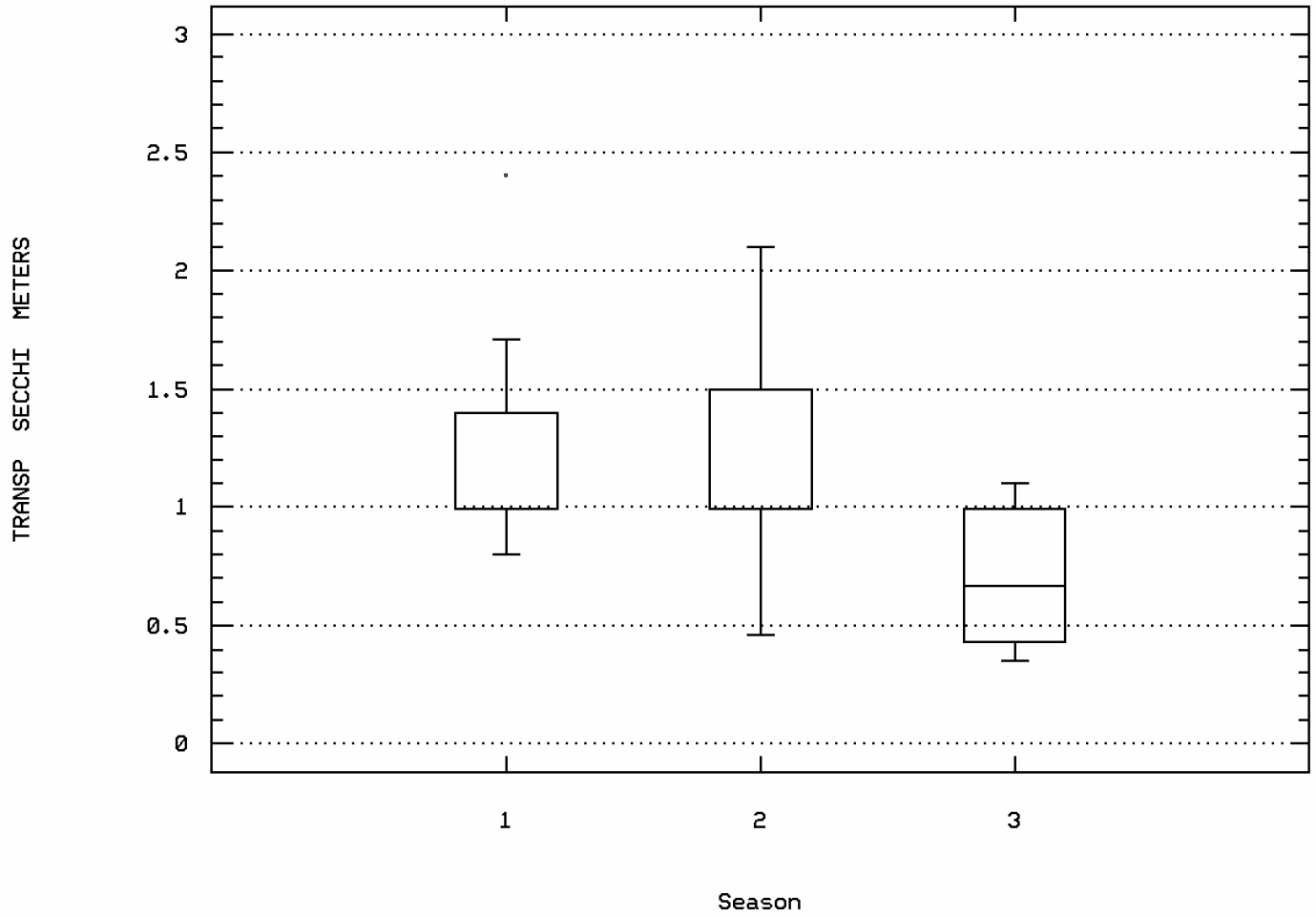
TEMPERATURE, WATER (DEGREES FAHRENHEIT)



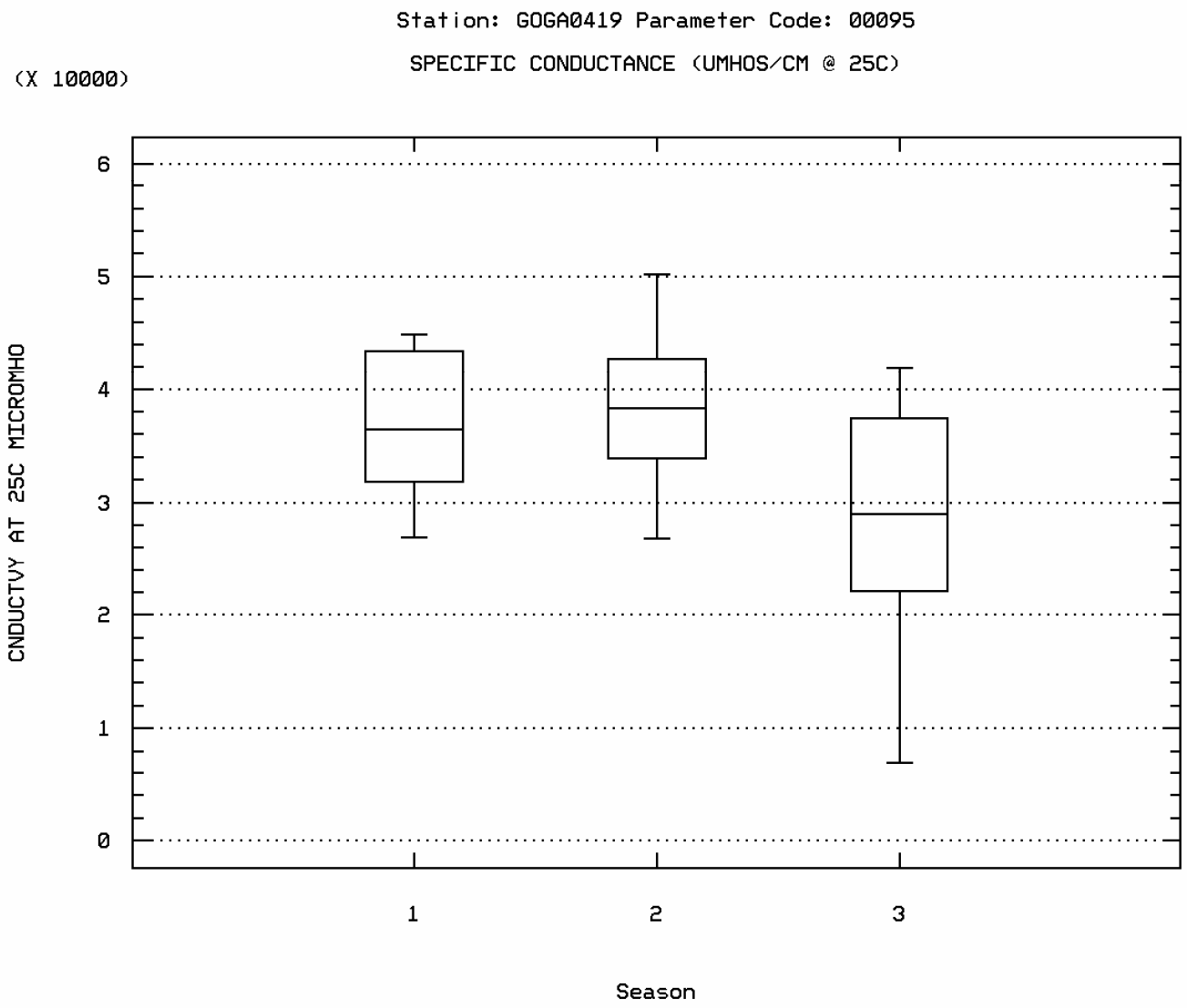
N SF BAY ABOUT 1400 YDS SW OF RED ROCK

Station: GOGA0419 Parameter Code: 00078

TRANSPARENCY, SECCHI DISC (METERS)



N SF BAY ABOUT 1400 YDS SW OF RED ROCK



N SF BAY ABOUT 1400 YDS SW OF RED ROCK

Station Inventory for Station: GOGA0420

NPS Station ID: GOGA0420
LAT/LON: 37.921668/-122.486125
Agency: 21CAL-84
Date Created: 04/19/86
Location: CENTRAL S.F. BAY: PARADISE PARK PIER
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/ESTURY/NRSHRE
STORET Station ID(s): SHNWSF35 /294 /PARADISE
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 13
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002036
RF1 Mile Point: 2.970
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 18050002003603.47
RF3 Mile Point: 5.58
Distance from RF3: 0.07
On/Off RF3:
Description:
LOCATION: PARADISE PARK; IN TIBURON AREA AT PARADISE BEACH COUNTY PARK. OFF OF FISHING PIER, SET TWO RINGNETS ON EACH END.
SEE STATION 295 (SHNWSF46) FOR DETAILS OF METHODS. FOR TECHNICAL DETAILS CONTACT CA DEPT. FISH AND GAME 209-466-4421.

Parameter Inventory for Station: GOGA0420

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: GOGA0421

NPS Station ID: GOGA0421
LAT/LON: 37.923358/-122.583097
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-301 SUMMIT SPRING BOX-RAW
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/SPRING
STORET Station ID(s): D21/301-SMMT-RW
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 22.70
On/Off RF1:
RF3 Index: 18050005018302.64
RF3 Mile Point: 3.47
Distance from RF3: 0.10
On/Off RF3:
Description:
DIST 04 MT TAMALPAIS STATE PARK

Parameter Inventory for Station: GOGA0421

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: GOGA0422

NPS Station ID: GOGA0422
LAT/LON: 37.947914/-122.594624
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-002 LAGUNITAS LAKE DAM AT 10FT DEPTH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D21/002-LAGU-LK
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 1.70
On/Off RF1:
RF3 Index: 18050002096400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:
DIST 04 MMWD

Parameter Inventory for Station: GOGA0422

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: GOGA0423

NPS Station ID: GOGA0423 LAT/LON: 37.949443/-122.544457 Agency: 112WRD Date Created: 09/30/89
Location: CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 0 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 375658122324000
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.60 On/Off RF1:
RF3 Index: 18050002003501.23 RF3 Mile Point: 1.23 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0423

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	2	71.5	71.5	72.	71.	0.5	0.707	**	**	**	**
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	12/17/87-10/12/88	4	10.	13.75	34.	1.	242.917	15.586	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-10/12/88	4	17.5	22.75	54.	2.	608.917	24.676	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	4	34.5	38.25	77.	7.	923.583	30.391	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	4	69.	60.	86.	16.	978.667	31.284	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	4	81.5	69.75	91.	25.	938.25	30.631	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	4	92.	79.	94.	38.	748.667	27.362	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	4	97.	86.5	100.	52.	531.667	23.058	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	12/17/87-10/12/88	3	98.	89.333	100.	70.	281.333	16.773	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	12/17/87-10/12/88	2	93.	93.	99.	87.	72.	8.485	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	12/17/87-10/12/88	2	100.	100.	100.	100.	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: GOGA0424

NPS Station ID: GOGA0424 LAT/LON: 37.950274/-122.545009 Agency: 112WRD Date Created: 09/30/89
Location: CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 1 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 375701122324200
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 1.30 On/Off RF1:
RF3 Index: 18050002003501.14 RF3 Mile Point: 1.13 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0424

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	2	71.	71.	71.	71.	0.	0.	**	**	**	**
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	12/17/87-10/12/88	4	12.	14.25	32.	1.	209.583	14.477	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-10/12/88	4	20.	25.75	61.	2.	666.917	25.825	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	4	41.	44.	76.	18.	573.333	23.944	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	4	78.	74.25	84.	57.	146.25	12.093	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	4	91.5	89.75	92.	84.	14.917	3.862	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	4	97.5	97.5	99.	96.	3.	1.732	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	4	100.	99.75	100.	99.	0.25	0.5	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	12/17/87-12/17/87	1	100.	100.	100.	100.	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: GOGA0425

NPS Station ID: GOGA0425 LAT/LON: 37.951113/-122.545004 Agency: 112WRD Date Created: 09/30/89
Location: CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 2 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 375704122324200
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 1.40 On/Off RF1:
RF3 Index: 18050002003501.14 RF3 Mile Point: 1.13 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0425

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	2	69.5	69.5	70.	69.	0.5	0.707	**	**	**	**
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	12/17/87-10/12/88	2	7.5	7.5	11.	4.	24.5	4.95	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-10/12/88	4	7.	13.5	39.	1.	313.667	17.711	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	4	41.5	41.75	74.	10.	886.917	29.781	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	4	86.5	87.25	94.	82.	26.25	5.123	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	4	97.5	96.75	99.	93.	6.917	2.63	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	4	99.5	99.25	100.	98.	0.917	0.957	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	2	100.	100.	100.	100.	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: GOGA0426

NPS Station ID: GOGA0426
LAT/LON: 37.952192/-122.583344
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-002 BTTP-TREATED WATER-LAKE BON TEMPE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D21/002-BTTP-TR
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 7.60
On/Off RF1:
RF3 Index: 18050002096600.00
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
DIST 04 MMWD

Parameter Inventory for Station: GOGA0426

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: GOGA0427

NPS Station ID: GOGA0427 LAT/LON: 37.952780/-122.545005 Agency: 112WRD Date Created: 09/30/89
Location: CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 3 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 375710122324200
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 1.20 On/Off RF1:
RF3 Index: 18050002003501.14 RF3 Mile Point: 1.13 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0427

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	10/12/88-10/12/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	10/12/88-10/12/88	2	4.	4.	6.	2.	8.	2.828	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	10/12/88-10/12/88	2	19.5	19.5	28.	11.	144.5	12.021	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	10/12/88-10/12/88	2	45.5	45.5	60.	31.	420.5	20.506	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	10/12/88-10/12/88	2	68.	68.	82.	54.	392.	19.799	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	10/12/88-10/12/88	2	88.5	88.5	97.	80.	144.5	12.021	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	10/12/88-10/12/88	2	100.	100.	100.	100.	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: GOGA0428

NPS Station ID: GOGA0428 LAT/LON: 37.953055/-122.546119 Agency: 112WRD Date Created: 09/30/89
Location: CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 4 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 375711122324600
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.90 On/Off RF1:
RF3 Index: 18050002003501.23 RF3 Mile Point: 1.23 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0428

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	2	68.	68.	68.	68.	0.	0.	**	**	**	**
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	12/17/87-12/17/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-12/17/87	2	6.5	6.5	8.	5.	4.5	2.121	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	4	12.5	27.25	73.	11.	930.917	30.511	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	4	71.	65.	92.	26.	828.	28.775	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	4	78.5	75.5	94.	51.	368.333	19.192	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	4	83.	82.5	96.	68.	163.667	12.793	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	4	88.	89.	98.	82.	60.667	7.789	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	12/17/87-10/12/88	4	94.5	94.5	99.	90.	15.	3.873	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	12/17/87-10/12/88	4	100.	99.5	100.	98.	1.	1.	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	10/12/88-10/12/88	1	100.	100.	100.	100.	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: GOGA0429

NPS Station ID: GOGA0429 LAT/LON: 37.953332/-122.547790 Agency: 112WRD Date Created: 09/30/89
Location: CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 6 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 375712122325200
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 1.10 On/Off RF1:
RF3 Index: 18050002003501.23 RF3 Mile Point: 1.23 Distance from RF3: 0.06 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0429

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	2	66.	66.	66.	66.	0.	0.	**	**	**	**
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	10/12/88-10/12/88	2	10.	10.	17.	3.	98.	9.899	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-10/12/88	3	5.	10.333	25.	1.	165.333	12.858	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	4	12.5	16.	38.	1.	332.667	18.239	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	4	26.	27.75	56.	3.	738.917	27.183	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	4	44.5	44.	81.	6.	1306.	36.139	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	4	66.5	61.	100.	11.	1794.	42.356	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	3	60.	59.	100.	17.	1723.	41.509	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	12/17/87-12/17/87	2	53.	53.	75.	31.	968.	31.113	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	12/17/87-12/17/87	2	77.	77.	88.	66.	242.	15.556	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	12/17/87-12/17/87	2	98.5	98.5	100.	97.	4.5	2.121	**	**	**	**
80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	12/17/87-12/17/87	1	100.	100.	100.	100.	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: GOGA0430

NPS Station ID: GOGA0430 LAT/LON: 37.953331/-122.547506 Agency: 112WRD Date Created: 09/30/89
Location: CORTE MADERA C NR COLLEGE AV A KENTFIELD XSEC 5 FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 375712122325100
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 0.80 On/Off RF1:
RF3 Index: 18050002003501.23 RF3 Mile Point: 1.23 Distance from RF3: 0.06 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0430

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/87-12/17/87	2	68.	68.	68.	68.	0.	0.	**	**	**	**
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	12/17/87-12/17/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	12/17/87-12/17/87	1	2.	2.	2.	2.	0.	0.	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	12/17/87-10/12/88	4	3.5	12.	40.	1.	354.	18.815	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	12/17/87-10/12/88	4	11.	30.25	97.	2.	2004.25	44.769	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12/17/87-10/12/88	4	20.	36.5	98.	8.	1719.	41.461	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12/17/87-10/12/88	4	31.	44.	99.	15.	1418.	37.656	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12/17/87-10/12/88	4	45.5	53.5	100.	23.	1075.	32.787	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	12/17/87-10/12/88	3	59.	54.667	69.	36.	286.333	16.921	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	12/17/87-10/12/88	3	81.	77.	90.	60.	237.	15.395	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	12/17/87-10/12/88	3	100.	100.	100.	100.	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: GOGA0431

NPS Station ID: GOGA0431
LAT/LON: 37.954447/-122.547226
Agency: 21CAL-1
Date Created: 01/19/80
Location: CORTE MADERA C BL MARIN COLLEGE
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): E2119001 /2032004
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002035
RF1 Mile Point: 2.030
Distance from RF1: 14.00
On/Off RF1: OFF
RF3 Index: 18050002052800.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 12 ;
STATION NAME: CORTE MADERA C BL MARIN COLLEGE ; DWR COUNTY CODE: 21; LATITUDE: 375716; LONGITUDE: 1223250;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 01N, RANGE 06, SECTION 08BBASE M;
USGS QUADRANGLE NUMBER: . 467; DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: GOGA0431

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	03/10/54-03/10/54	1	55.4	55.4	55.4	55.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/10/54-03/10/54	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	03/10/54-03/10/54	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/10/54-03/10/54	1	222.	222.	222.	222.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/10/54-03/10/54	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/10/54-03/10/54	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/10/54-03/10/54	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/10/54-03/10/54	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/10/54-03/10/54	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/10/54-03/10/54	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/10/54-03/10/54	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/10/54-03/10/54	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/10/54-03/10/54	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/10/54-03/10/54	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/10/54-03/10/54	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/10/54-03/10/54	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/10/54-03/10/54	1	40.	40.	40.	40.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	03/10/54-03/10/54	1	75.	75.	75.	75.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/10/54-03/10/54	1	1.9	1.9	1.9	1.9	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: GOGA0431

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	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			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, 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: GOGA0432

NPS Station ID: GOGA0432 LAT/LON: 37.954439/-122.547510 Agency: 112WRD Date Created: 09/30/89
Location: CORTE MADERA C A COLLEGE AV A KENFIELD CA FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 11460015
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18050002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18050002 RF1 Mile Point: 0.000 Distance from RF1: 3.30 On/Off RF1:
RF3 Index: 18050005017600.49 RF3 Mile Point: 1.98 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0432

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	12/04/87-03/02/89	4	33.	33.	33.	33.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/87-03/02/89	8	11.5	11.625	14.	9.5	3.054	1.747	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/04/87-03/02/89	8	280.	357.125	728.	118.	60619.268	246.21	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/04/87-03/02/89	4	81.5	81.	98.	63.	208.667	14.445	**	**	**	**
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/04/88-03/02/89	3	86.	82.333	94.	67.	192.333	13.868	**	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/04/88-03/02/89	3	97.	91.667	100.	78.	142.333	11.93	**	**	**	**
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	03/02/89-03/02/89	2	98.	98.	99.	97.	2.	1.414	**	**	**	**
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	03/02/89-03/02/89	2	100.	100.	100.	100.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/04/87-03/02/89	4	369.	359.	472.	226.	12385.333	111.289	**	**	**	**
80225	BEDLOAD SEDIMENT DISCHARGE (TONS/DAY)	12/04/87-03/02/89	4	1.575	1.578	3.1	0.06	1.724	1.313	**	**	**	**
80226	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .062MM	12/04/87-03/02/89	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
80227	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .125MM	12/04/87-03/02/89	4	3.5	3.	4.	1.	2.	1.414	**	**	**	**
80228	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .250MM	12/04/87-03/02/89	4	32.	32.25	56.	9.	378.917	19.466	**	**	**	**
80229	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .500MM	12/04/87-03/02/89	4	70.	68.25	92.	41.	653.583	25.565	**	**	**	**
80230	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 1.00MM	12/04/87-03/02/89	4	86.	85.25	96.	73.	131.583	11.471	**	**	**	**
80231	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 2.00MM	12/04/87-03/02/89	4	98.	94.5	100.	82.	71.	8.426	**	**	**	**
80232	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 4.00MM	12/04/87-03/02/89	3	98.	96.	99.	91.	19.	4.359	**	**	**	**
80233	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 8.00MM	12/04/87-03/02/89	3	100.	99.333	100.	98.	1.333	1.155	**	**	**	**
80234	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 16.0MM	01/04/88-01/04/88	1	100.	100.	100.	100.	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: GOGA0433

NPS Station ID: GOGA0433
LAT/LON: 37.956138/-122.575171
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-002 PHOENIX LAKE DAM AT 10FT DEPTH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D21/002-PHNX-LK
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 1.40
On/Off RF1:
RF3 Index: 18050005000500.00
RF3 Mile Point: 0.75
Distance from RF3: 0.04
On/Off RF3:
Description:
DIST 04 MMWD
*EXCEEDS IRON MCL

Parameter Inventory for Station: GOGA0433

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: GOGA0434

NPS Station ID: GOGA0434
LAT/LON: 37.957553/-122.609039
Agency: 21CAL-3
Date Created: 11/21/87
Location: 21-002 BON TEMPE LAKE DAM AT 10FT DEPTH
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): D21/002-BT-LAKE
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050005
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SAN FRANCISCO BAY REGION
ECO Region:
RF1 Index: 18050005
RF1 Mile Point: 0.000
Distance from RF1: 0.20
On/Off RF1:
RF3 Index: 18050005000410.84
RF3 Mile Point: 15.01
Distance from RF3: 0.06
On/Off RF3:
Description:
DIST 04 MMWD

Parameter Inventory for Station: GOGA0434

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: GOGA0435

NPS Station ID: GOGA0435
LAT/LON: 37.962501/-122.555566
Agency: 112WRD
Date Created: 08/18/79
Location: CORTE MADERA C A ROSS CA
FIPS State/County: 06041 CALIFORNIA/MARIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 11460000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18050002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18050002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 18050005008900.00
RF3 Mile Point: 0.24
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: GOGA0435

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	11/21/77-09/15/80	23	31.	33.261	70.	2.	543.111	23.305	3.2	15.	60.	69.2
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/77-09/15/80	54	13.	13.454	20.5	9.	8.918	2.986	9.75	12.	15.5	19.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/77-09/15/80	59	48.	252.352	1560.	0.	141435.936	376.08	0.09	1.	369.	930.
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/21/77-02/18/80	21	81.	83.619	99.	63.	145.448	12.06	64.8	73.5	96.5	98.
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	11/21/77-02/18/80	21	89.	90.	100.	75.	65.4	8.087	77.2	86.5	98.5	100.
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	11/21/77-02/18/80	18	95.5	95.167	100.	89.	12.265	3.502	89.9	91.75	98.25	100.
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	11/21/77-02/18/80	16	100.	99.438	100.	98.	0.529	0.727	98.	99.	100.	100.
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	01/14/78-12/31/79	7	100.	100.	100.	100.	0.	0.	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	11/21/77-02/18/80	10	33.	37.9	63.	21.	218.544	14.783	21.1	25.75	52.	62.5
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	11/21/77-02/18/80	14	39.5	43.714	77.	27.	290.374	17.04	27.5	28.75	57.	75.5
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	11/21/77-02/18/80	14	49.	52.857	85.	35.	314.44	17.732	35.	36.75	69.	84.
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	11/21/77-02/18/80	14	60.	63.286	92.	44.	292.835	17.112	45.	46.75	80.5	91.5
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	11/21/77-02/18/80	14	70.5	72.714	96.	54.	217.297	14.741	55.5	59.25	88.5	95.
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	02/16/80-02/17/80	2	70.5	70.5	75.	66.	40.5	6.364	**	**	**	**
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	02/16/80-02/17/80	2	81.	81.	85.	77.	32.	5.657	**	**	**	**
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	02/16/80-02/17/80	2	95.5	95.5	99.	92.	24.5	4.95	**	**	**	**
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	02/16/80-02/17/80	2	100.	100.	100.	100.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/21/77-02/18/80	23	258.	564.391	2770.	15.	537935.613	733.441	39.4	105.	529.	2006.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/21/77-02/18/80	23	251.	1418.212	9310.	0.37	6652127.734	2579.172	2.18	40.	780.	6436.
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	10/04/77-09/04/79	13	1.	1.231	8.	0.	4.526	2.127	0.	0.	1.	5.6
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	10/04/77-09/04/79	15	2.	2.733	20.	0.	23.781	4.877	0.	1.	2.	10.4
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	10/04/77-09/04/79	15	4.	7.	44.	1.	118.143	10.869	1.	1.	8.	25.4
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	10/04/77-09/04/79	15	9.	15.333	81.	3.	392.952	19.823	3.	4.	19.	51.6
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	10/04/77-09/04/79	15	15.	22.067	89.	6.	429.21	20.717	7.2	10.	25.	59.6
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	10/04/77-09/04/79	15	25.	29.2	94.	10.	430.457	20.747	12.4	16.	30.	65.2
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	10/04/77-09/04/79	15	35.	37.933	97.	15.	433.352	20.817	17.4	23.	44.	76.
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	10/04/77-09/04/79	15	46.	49.667	100.	23.	435.381	20.866	24.8	38.	63.	87.4
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	10/04/77-09/04/79	14	61.	63.214	95.	35.	306.489	17.507	35.	52.75	79.	89.
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	10/04/77-09/04/79	14	92.	86.	100.	53.	246.462	15.699	53.	81.5	97.	100.
80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	10/04/77-09/04/79	11	100.	100.	100.	100.	0.	0.	100.	100.	100.	100.
80225	BEDLOAD SEDIMENT DISCHARGE (TONS/DAY)	11/21/77-09/15/80	23	4.4	40.752	377.	0.	7162.239	84.63	0.	0.	67.	133.
80226	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .062MM	11/21/77-01/14/78	2	0.	0.	0.	0.	0.	0.	**	**	**	**
80227	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .125MM	11/21/77-01/11/79	8	0.	0.25	1.	0.	0.214	0.463	**	**	**	**
80228	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .250MM	11/21/77-02/18/80	13	3.	2.692	7.	0.	3.231	1.797	0.4	1.	3.5	5.8
80229	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN .500MM	11/21/77-02/18/80	13	14.	12.385	29.	1.	55.59	7.456	2.2	7.	16.	25.4
80230	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 1.00MM	11/21/77-02/18/80	13	24.	22.077	41.	1.	98.41	9.92	5.4	15.5	27.	37.4
80231	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 2.00MM	11/21/77-02/18/80	13	34.	34.	54.	2.	200.5	14.16	11.2	25.5	46.5	52.8
80232	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 4.00MM	11/21/77-02/18/80	13	46.	47.692	68.	12.	264.064	16.25	19.6	38.5	62.5	68.

** - Less than 9 observations ## - 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: GOGA0435

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
80233	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 8.00MM	11/21/77-02/18/80	13	67.	65.231	86.	46.	170.192	13.046	47.2	54.	76.5	83.2
80234	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 16.0MM	11/21/77-02/18/80	13	88.	85.769	100.	71.	103.026	10.15	72.2	75.5	93.5	99.6
80235	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 32.0MM	11/21/77-02/18/80	12	98.	96.167	100.	82.	31.97	5.654	83.8	95.25	100.	100.
80236	BEDLOAD SEDIMENT SIEVE DIAM, % FINER THAN 64.0MM	12/22/77-02/18/80	7	100.	100.	100.	100.	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. **********

Annual Analysis for 1977 - Station GOGA0435

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/77-09/15/80	12	47.	87.667	230.	0.	8940.606	94.555	0.	0.	180.25	222.2

** - 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 1978 - Station GOGA0435

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/77-09/15/80	9	317.	545.889	1260.	48.	243072.861	493.024	48.	100.5	1100.	1260.

** - Less than 9 observations ## - Computed with 50% or 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 GOGA0435

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/77-09/15/80	23	3.	156.42	1230.	0.09	83304.192	288.625	0.09	0.2	291.	503.8

** - 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 1980 - Station GOGA0435

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/77-09/15/80	15	251.	355.073	1560.	0.2	204056.244	451.726	0.26	2.	648.	1182.

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

EPA Water Quality Criteria Analysis for Entire GOGA Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	353	37	0.10	127	2	0.02	73	6	0.08	153	29	0.19			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1420 &	166	0.12	667	124	0.19	257	40	0.16	496	2	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3211	67	0.02	1172	51	0.04	873	3	0.00	1166	13	0.01			
00400	PH	Fresh Chronic	9.	1375	1	0.00	489	0	0.00	244	1	0.00	642	0	0.00			
		Marine Chronic	8.5	205	5	0.02	91	3	0.03	47	1	0.02	67	1	0.01			
		Other-Lo Lim.	6.5	1580	3	0.00	580	1	0.00	291	2	0.01	709	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	291	1	0.00	93	0	0.00	50	1	0.02	148	0	0.00			
		Marine Chronic	8.5	6	1	0.17	5	1	0.20				1	0	0.00			
		Other-Lo Lim.	6.5	297	5	0.02	98	1	0.01	50	1	0.02	149	3	0.02			
00406	PH, FIELD	Fresh Chronic	9.	1319	2	0.00	614	0	0.00	238	2	0.01	467	0	0.00			
		Marine Chronic	8.5	1816	42	0.02	719	41	0.06	559	1	0.00	538	0	0.00			
		Other-Lo Lim.	6.5	3135	2	0.00	1333	0	0.00	797	0	0.00	1005	2	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	55	0	0.00	24	0	0.00	22	0	0.00	9	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	131	0	0.00	49	0	0.00	36	0	0.00	46	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	601	1	0.00	309	1	0.00	99	0	0.00	193	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	37	0	0.00	13	0	0.00	21	0	0.00	3	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	91	0	0.00	41	0	0.00	25	0	0.00	25	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	806	1	0.00	415	0	0.00	123	0	0.00	268	1	0.00			
		Drinking Water	250.	806	1	0.00	415	0	0.00	123	0	0.00	268	1	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	284	0	0.00	92	0	0.00	49	0	0.00	143	0	0.00			
		Drinking Water	250.	284	0	0.00	92	0	0.00	49	0	0.00	143	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	633	1	0.00	274	0	0.00	89	0	0.00	270	1	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	277	0	0.00	92	0	0.00	46	0	0.00	139	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	149	0	0.00	62	0	0.00	33	0	0.00	54	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	450	1	0.00	187	1	0.01	50	0	0.00	213	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	34	0	0.00	16	0	0.00	5	0	0.00	13	0	0.00			
		Drinking Water	50.	34	0	0.00	16	0	0.00	5	0	0.00	13	0	0.00			
		Marine Acute	69.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	213	0	0.00	95	0	0.00	22	0	0.00	96	0	0.00			
		Drinking Water	50.	213	2	0.01	95	0	0.00	22	0	0.00	96	2	0.02			
		Marine Acute	69.	5	0	0.00	3	0	0.00				2	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	25	0	0.00	12	0	0.00	5	0	0.00	8	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	164	0	0.00	80	0	0.00	20	0	0.00	64	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	18	0	0.00							18	0	0.00			
		Drinking Water	4.	18	0	0.00							18	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	25	0	0.00	12	0	0.00	5	0	0.00	8	0	0.00			
		Drinking Water	5.	25	0	0.00	12	0	0.00	5	0	0.00	8	0	0.00			
		Marine Acute	43.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	170 &	6	0.04	82	3	0.04	21	1	0.05	67	2	0.03			
		Drinking Water	5.	170 &	4	0.02	82	2	0.02	21	0	0.00	67	2	0.03			
		Marine Acute	43.	6	2	0.33	4	1	0.25				2	1	0.50			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	25	0	0.00	12	0	0.00	5	0	0.00	8	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	217	2	0.01	97	0	0.00	23	0	0.00	97	2	0.02			
01040	COPPER, DISSOLVED	Fresh Acute	18.	34	0	0.00	16	0	0.00	5	0	0.00	13	0	0.00			
		Drinking Water	1300.	34	0	0.00	16	0	0.00	5	0	0.00	13	0	0.00			
		Marine Acute	2.9	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	203 &	16	0.08	97	0	0.00	23	2	0.09	83	14	0.17			
		Drinking Water	1300.	217	0	0.00	97	0	0.00	23	0	0.00	97	0	0.00			
		Marine Acute	2.9	6	6	1.00	4	4	1.00				2	2	1.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	34	0	0.00	16	0	0.00	5	0	0.00	13	0	0.00			
		Drinking Water	15.	34	0	0.00	16	0	0.00	5	0	0.00	13	0	0.00			
		Marine Acute	220.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	217	1	0.00	97	0	0.00	23	0	0.00	97	1	0.01			
		Drinking Water	15.	187 &	2	0.01	82	0	0.00	21	1	0.05	84	1	0.01			
		Marine Acute	220.	6	0	0.00	4	0	0.00				2	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	18	0	0.00							18	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	25	0	0.00	12	0	0.00	5	0	0.00	8	0	0.00			
		Drinking Water	100.	25	0	0.00	12	0	0.00	5	0	0.00	8	0	0.00			
		Marine Acute	75.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	54	0	0.00	14	0	0.00	9	0	0.00	31	0	0.00			
		Drinking Water	100.	54	2	0.04	14	0	0.00	9	0	0.00	31	2	0.06			

& - 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 GOGA Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01075	SILVER, DISSOLVED	Fresh Acute	4.1	25	0	0.00	12	0	0.00	5	0	0.00	8	0	0.00			
		Drinking Water	100.	25	0	0.00	12	0	0.00	5	0	0.00	8	0	0.00			
		Marine Acute	0.12	1	0	0.00	1	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	164 &	0	0.00	80	0	0.00	20	0	0.00	64	0	0.00			
		Drinking Water	100.	182	0	0.00	80	0	0.00	20	0	0.00	82	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	34	1	0.03	16	0	0.00	5	0	0.00	13	1	0.08			
		Drinking Water	5000.	34	0	0.00	16	0	0.00	5	0	0.00	13	0	0.00			
		Marine Acute	95.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	216	13	0.06	97	0	0.00	23	0	0.00	96	13	0.14			
		Drinking Water	5000.	216	0	0.00	97	0	0.00	23	0	0.00	96	0	0.00			
		Marine Acute	95.	6	1	0.17	4	1	0.25				2	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	0 &	0	0.00												
		Drinking Water	6.	0 &	0	0.00												
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	25	0	0.00	12	0	0.00	5	0	0.00	8	0	0.00			
		Drinking Water	50.	25	0	0.00	12	0	0.00	5	0	0.00	8	0	0.00			
		Marine Acute	300.	1	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	198	0	0.00	85	0	0.00	22	0	0.00	91	0	0.00			
		Drinking Water	50.	198	0	0.00	85	0	0.00	22	0	0.00	91	0	0.00			
		Marine Acute	300.	2	0	0.00	1	0	0.00				1	0	0.00			
01220	CHROMIUM, HEXAVALENT, DISSOLVED	Fresh Acute	16.	9	0	0.00	4	0	0.00				5	0	0.00			
		Drinking Water	100.	9	0	0.00	4	0	0.00				5	0	0.00			
07000	TRITIUM, TOTAL	Drinking Water	20000.	3	0	0.00	1	0	0.00				2	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	27416	1601	0.06	10148	355	0.03	7878	641	0.08	9390	605	0.06			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	72	28	0.39	19	5	0.26	24	17	0.71	29	6	0.21			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	54	31	0.57	18	4	0.22	31	26	0.84	5	1	0.20			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	69	42	0.61	2	0	0.00	28	21	0.75	39	21	0.54			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	53	28	0.53	17	2	0.12	31	24	0.77	5	2	0.40			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	64	31	0.48	15	7	0.47	24	19	0.79	25	5	0.20			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	14244	1252	0.09	5602	306	0.05	3923	497	0.13	4719	449	0.10			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	21	11	0.52	11	4	0.36	1	0	0.00	9	7	0.78			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	55	27	0.49				18	9	0.50	37	18	0.49			
31649	ENTEROCOCCI, ME, MF	Fresh Chronic	33.	202	153	0.76	67	52	0.78	75	63	0.84	60	38	0.63			
		Marine Chronic	35.	13842 &	2344	0.17	5354	559	0.10	3730	919	0.25	4758	866	0.18			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	93	0	0.00	32	0	0.00	28	0	0.00	33	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	97	0	0.00	34	0	0.00	28	0	0.00	35	0	0.00			
		Drinking Water	5.	97	0	0.00	34	0	0.00	28	0	0.00	35	0	0.00			
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	98	0	0.00	34	0	0.00	28	0	0.00	36	0	0.00			
		Drinking Water	5.	98	0	0.00	34	0	0.00	28	0	0.00	36	0	0.00			
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	96	0	0.00	34	0	0.00	27	0	0.00	35	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	75	0	0.00	23	0	0.00	25	0	0.00	27	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	41	0	0.00	12	0	0.00	14	0	0.00	15	0	0.00			
		Drinking Water	100.	41	0	0.00	12	0	0.00	14	0	0.00	15	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	95	0	0.00	33	0	0.00	28	0	0.00	34	0	0.00			
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	35	0	0.00	12	0	0.00	13	0	0.00	10	0	0.00			
		Drinking Water	700.	35	0	0.00	12	0	0.00	13	0	0.00	10	0	0.00			
34391	HEXACHLOROBUTADIENE, TOTAL	Fresh Acute	90.	87	0	0.00	28	0	0.00	28	0	0.00	31	0	0.00			
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	95	0	0.00	33	0	0.00	28	0	0.00	34	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	84	0	0.00	26	0	0.00	24	0	0.00	34	0	0.00			
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	95	0	0.00	33	0	0.00	28	0	0.00	34	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	97	0	0.00	34	0	0.00	28	0	0.00	35	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	95	0	0.00	33	0	0.00	28	0	0.00	34	0	0.00			
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	94	0	0.00	33	0	0.00	27	0	0.00	34	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	95	0	0.00	33	0	0.00	28	0	0.00	34	0	0.00			
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	95	0	0.00	34	0	0.00	27	0	0.00	34	0	0.00			
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	95	0	0.00	32	0	0.00	28	0	0.00	35	0	0.00			
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	95	0	0.00	33	0	0.00	28	0	0.00	34	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	95	0	0.00	33	0	0.00	28	0	0.00	34	0	0.00			
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	90	0	0.00	27	0	0.00	28	0	0.00	35	0	0.00			
38760	DBCP, WATER, TOTAL	Drinking Water	0.2	95	2	0.02	33	2	0.06	28	0	0.00	34	0	0.00			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	6	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 Entire GOGA Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	5/15-10/09 Obs	5/15-10/09 Exceed	5/15-10/09 Prop.	10/10-1/14 Obs	10/10-1/14 Exceed	10/10-1/14 Prop.	1/15-5/14 Obs	1/15-5/14 Exceed	1/15-5/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	91	0	0.00	33	0	0.00	24	0	0.00	34	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	95	0	0.00	33	0	0.00	28	0	0.00	34	0	0.00			
		Drinking Water	5.	95	0	0.00	33	0	0.00	28	0	0.00	34	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
		Marine Acute	0.16	8	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00									
		Marine Acute	3.6	1	0	0.00				1	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									
		Marine Acute	0.13	2	0	0.00				2	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									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.4	1	0	0.00	1	0	0.00									
		Marine Acute	0.053	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									
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	6	0	0.00							6	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	6	0	0.00							6	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Marine Acute	0.013	20	20	1.00	13	13	1.00	3	3	1.00	4	4	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	177	0	0.00	87	0	0.00	24	0	0.00	66	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	135	0	0.00	47	0	0.00	36	0	0.00	52	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	36	0	0.00	15	0	0.00	14	0	0.00	7	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	19	0	0.00	8	0	0.00	5	0	0.00	6	0	0.00			
		Drinking Water	2.	19	0	0.00	8	0	0.00	5	0	0.00	6	0	0.00			
		Marine Acute	2.1	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	215	2	0.01	97	1	0.01	23	1	0.04	95	0	0.00			
		Drinking Water	2.	215	2	0.01	97	1	0.01	23	1	0.04	95	0	0.00			
		Marine Acute	2.1	6	1	0.17	4	1	0.25				2	0	0.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	97	0	0.00	34	0	0.00	28	0	0.00	35	0	0.00			
77128	STYRENE, WHOLE WATER	Drinking Water	100.	95	0	0.00	33	0	0.00	28	0	0.00	34	0	0.00			
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	95	0	0.00	33	0	0.00	28	0	0.00	34	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	1094	29	0.03	422	3	0.01	137	2	0.01	535	24	0.04			
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

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 GOGA 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 GOGA Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1092	825	76	191	98
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	26	24	2	0	7
00440	BICARBONATE ION (MG/L AS HCO3)	21	1	3	17	14
00445	CARBONATE ION (MG/L AS CO3)	21	1	3	17	14
		1160	851	84	225	133 (99)[!]

pH		Total Obs.	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	1580	222	979	379	71
00403	PH, LAB (STANDARD UNITS)	297	35	75	187	54
00406	PH, FIELD (STANDARD UNITS)	3135	3135	0	0	73
		5012	3392	1054	566	198(155)[!]

Conductivity		Total Obs.	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	1762	1307	140	315	87
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	7983	4094	3503	386	89
00480	SALINITY - PARTS PER THOUSAND	2893	1944	949	0	27
		12638	7345	4592	701	203(180)[!]

Dissolved Oxygen		Total Obs.	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	1447	1447	0	0	72
00300	OXYGEN, DISSOLVED (MG/L)	3211	1772	1072	367	60
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	1162	221	941	0	54
		5820	3440	2013	367	186(131)[!]

Water Temperature		Total Obs.	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9474	5413	3687	374	155
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	497	5	110	382	26
		9971	5418	3797	756	181(177)[!]

Flow		Total Obs.	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00060	FLOW, STREAM, MEAN DAILY CFS	101	0	0	101	3
00061	FLOW, STREAM, INSTANTANEOUS CFS	660	170	204	286	89
00065	STAGE, STREAM (FEET)	11	9	0	2	6
00067	TIDE STAGE CODE	927	376	551	0	12
		1699	555	755	389	110(105)[!]

[!]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 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	34	0	0	34	8
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	353	0	132	221	21
00078	TRANSPARENCY, SECCHI DISC (METERS)	1103	402	462	239	23
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	343	199	49	95	48
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	1094	1094	0	0	58
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	1	1	0	0	1
		2928	1696	643	589	159(134)[1]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	1	0	1	0	1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	438	336	102	0	21
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	346	183	49	114	54
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	341	5	138	198	44
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	610	608	0	2	46
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	21	18	1	2	9
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	37	36	1	0	10
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	187	53	106	28	30
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	101	0	101	0	6
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	177	163	2	12	13
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	235	0	134	101	38
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	85	0	85	0	6
		2579	1402	720	457	278(173)[1]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	25	23	0	2	10
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	706	600	102	4	49
00665	PHOSPHORUS, TOTAL (MG/L AS P)	476	236	55	185	46
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	5	0	0	5	5
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	204	41	50	113	25
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11	11	0	0	7
		1427	911	207	309	142(118)[1]

Chlorophyll		Total Obs.	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	260	260	0	0	13
		260	260	0	0	13 (13)[1]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1007	708	78	221	84
00945	SULFATE, TOTAL (MG/L AS SO4)	645	640	5	0	67
00946	SULFATE, DISSOLVED (MG/L AS SO4)	279	0	73	206	38
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	213	206	0	7	24
		2144	1554	156	434	213(117)[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 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	27416	27416	0	0	56
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	72	33	0	39	9
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	54	54	0	0	32
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	69	69	0	0	8
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	53	53	0	0	32
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	64	35	0	29	7
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	14244	14244	0	0	51
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	36	36	0	0	6
31648	E. COLI - MTEC-MF	55	55	0	0	8
31649	ENTEROCOCCI- ME-MF	14102	14102	0	0	45
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	32	32	0	0	6
		56197	56129	0	68	260(110)[l]

[l]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 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01097	ANTIMONY, TOTAL (UG/L AS SB)	18	18	0	0	6
01000	ARSENIC, DISSOLVED (UG/L AS AS)	35	26	0	9	22
01002	ARSENIC, TOTAL (UG/L AS AS)	218	218	0	0	20
01012	BERYLLIUM, TOTAL (UG/L AS BE)	18	18	0	0	6
01025	CADMIUM, DISSOLVED (UG/L AS CD)	26	26	0	0	17
01027	CADMIUM, TOTAL (UG/L AS CD)	223	222	0	1	23
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	26	26	0	0	17
01034	CHROMIUM, TOTAL (UG/L AS CR)	223	222	0	1	23
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	9	0	0	9	5
01040	COPPER, DISSOLVED (UG/L AS CU)	35	26	0	9	22
01042	COPPER, TOTAL (UG/L AS CU)	223	222	0	1	23
01049	LEAD, DISSOLVED (UG/L AS PB)	35	26	0	9	22
01051	LEAD, TOTAL (UG/L AS PB)	223	222	0	1	23
71890	MERCURY, DISSOLVED (UG/L AS HG)	20	20	0	0	15
71900	MERCURY, TOTAL (UG/L AS HG)	222	221	0	1	22
01065	NICKEL, DISSOLVED (UG/L AS NI)	26	26	0	0	17
01067	NICKEL, TOTAL (UG/L AS NI)	54	54	0	0	10
01145	SELENIUM, DISSOLVED (UG/L AS SE)	26	26	0	0	17
01147	SELENIUM, TOTAL (UG/L AS SE)	200	200	0	0	20
01075	SILVER, DISSOLVED (UG/L AS AG)	26	26	0	0	17
01077	SILVER, TOTAL (UG/L AS AG)	182	182	0	0	8
01059	THALLIUM, TOTAL (UG/L AS TL)	18	18	0	0	6
01090	ZINC, DISSOLVED (UG/L AS ZN)	35	26	0	9	22
01092	ZINC, TOTAL (UG/L AS ZN)	223	222	0	1	23
32104	BROMOFORM, WHOLE WATER, (UG/L)	96	95	1	0	3
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	97	96	1	0	3
34301	CHLOROBENZENE, TOTAL (UG/L)	95	95	0	0	2
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	96	96	0	0	2
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	1	0	1	0	1
34311	CHLOROETHANE, TOTAL (UG/L)	91	91	0	0	2
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	93	93	0	0	2
32106	CHLOROFORM, WHOLE WATER (UG/L)	98	97	1	0	3
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	96	95	1	0	3
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	94	94	0	0	2
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	98	97	1	0	3
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	95	95	0	0	2
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	95	95	0	0	2
34371	ETHYLBENZENE, TOTAL (UG/L)	96	96	0	0	2
34413	METHYL BROMIDE, TOTAL (UG/L)	91	91	0	0	2
34418	METHYL CHLORIDE, TOTAL (UG/L)	92	92	0	0	3
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	84	84	0	0	2
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	97	97	0	0	2
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	97	97	0	0	2
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	95	95	0	0	2
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	93	93	0	0	2
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	95	95	0	0	2
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	95	95	0	0	2
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	91	91	0	0	2
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	94	94	0	0	2
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	95	95	0	0	2
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	95	95	0	0	2
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87	87	0	0	2
34396	HEXACHLOROETHANE, TOTAL (UG/L)	95	95	0	0	2
34696	NAPHTHALENE, TOTAL (UG/L)	90	90	0	0	2
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	95	95	0	0	2

Toxic Elements - Continued ...		Total Obs.	01/01/85 to 12/29/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	9	0	0	9	3
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	1	0	0	1	1
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	3	0	0	3	3
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	2	0	0	2	2
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	2	0	0	2	2
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1
		5188	5109	6	73	489 (49)[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	1160	851	73.4	99	31.0	11.7	04/17/51-11/05/98	24.4
pH	5012	3392	67.7	155	48.6	32.3	04/17/51-11/05/98	105.4
Conductivity	12638	7345	58.1	180	56.4	70.2	04/17/51-11/05/98	265.7
Dissolved Oxygen	5820	3440	59.1	131	41.1	44.4	10/09/63-11/05/98	165.9
Water Temperature	9971	5418	54.3	177	55.5	56.3	01/27/53-11/05/98	217.8
Flow	1699	555	32.7	105	32.9	16.2	01/27/53-03/31/98	37.6
Clarity/Turbidity	2928	1696	57.9	134	42.0	21.9	01/27/54-11/05/98	65.4
Nitrate/Nitrogen	2579	1402	54.4	173	54.2	14.9	04/27/06-11/05/98	5.7
Phosphate/Phosphorus	1427	911	63.8	118	37.0	12.1	03/23/59-11/05/98	36.0
Chlorophyll	260	260	100.0	13	4.1	20.0	01/10/89-11/03/97	29.5
Sulfates/Total Dissolved Solids/Hardness	2144	1554	72.5	117	36.7	18.3	06/07/06-11/05/98	4.7
Bacteria	56197	56129	99.9	110	34.5	510.9	01/31/72-12/29/99	2013.3
Toxic Elements	5188	5109	98.5	49	15.4	105.9	01/27/53-11/26/97	115.7

Water Quality Observations
Outside STORET Edit Criteria for GOGA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
GOGA0095	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0822	60400.0000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0822	60400.0000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0822	60600.0000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0822	60600.0000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0822	60700.0000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0822	60800.0000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0822	60800.0000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00480	SALINITY - PARTS PER THOUSAND	891205	0822	40.6000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00480	SALINITY - PARTS PER THOUSAND	891205	0822	40.6000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00480	SALINITY - PARTS PER THOUSAND	891205	0822	40.7000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00480	SALINITY - PARTS PER THOUSAND	891205	0822	40.8000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00480	SALINITY - PARTS PER THOUSAND	891205	0822	40.9000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00480	SALINITY - PARTS PER THOUSAND	891205	0822	40.9000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0095	00480	SALINITY - PARTS PER THOUSAND	891205	0822	41.0000000	11NPSWRD	GOGA_CCSF_OM14	
GOGA0096	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0911	60500.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0911	60500.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0911	60500.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0911	60500.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0911	60600.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0911	60700.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0911	60700.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0911	60700.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0911	60800.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0911	60800.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0911	60800.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891107	0950	40.3000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891107	0950	40.4000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891107	0950	40.5000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891107	0950	40.5000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891107	0950	40.5000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891107	0950	40.5000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891107	0950	40.6000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891107	0950	40.7000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891107	0950	40.9000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	40.7000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	40.8000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	40.8000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	40.8000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	40.9000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	40.9000000	11NPSWRD	GOGA_CCSF_OM05	

Water Quality Observations
Outside STORET Edit Criteria for GOGA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	41.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	41.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	41.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	41.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	41.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0096	00480	SALINITY - PARTS PER THOUSAND	891205	0911	41.0000000	11NPSWRD	GOGA_CCSF_OM05	
GOGA0101	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0802	60600.0000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0802	60600.0000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0802	60600.0000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0802	60700.0000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0802	60700.0000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0802	60800.0000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0802	60800.0000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00480	SALINITY - PARTS PER THOUSAND	891205	0802	40.9000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00480	SALINITY - PARTS PER THOUSAND	891205	0802	40.9000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00480	SALINITY - PARTS PER THOUSAND	891205	0802	40.9000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00480	SALINITY - PARTS PER THOUSAND	891205	0802	41.0000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00480	SALINITY - PARTS PER THOUSAND	891205	0802	41.0000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00480	SALINITY - PARTS PER THOUSAND	891205	0802	41.0000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0101	00480	SALINITY - PARTS PER THOUSAND	891205	0802	41.0000000	11NPSWRD	GOGA_CCSF_OM13	
GOGA0124	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	1152	60300.0000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	1152	60300.0000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	1152	60500.0000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	1152	60500.0000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	1152	60600.0000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	1152	60600.0000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	1152	60600.0000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00480	SALINITY - PARTS PER THOUSAND	891205	1152	40.7000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00480	SALINITY - PARTS PER THOUSAND	891205	1152	40.7000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00480	SALINITY - PARTS PER THOUSAND	891205	1152	40.8000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00480	SALINITY - PARTS PER THOUSAND	891205	1152	40.8000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00480	SALINITY - PARTS PER THOUSAND	891205	1152	40.9000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00480	SALINITY - PARTS PER THOUSAND	891205	1152	40.9000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0124	00480	SALINITY - PARTS PER THOUSAND	891205	1152	40.9000000	11NPSWRD	GOGA_CCSF_OM10	
GOGA0128	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0700	60500.0000000	11NPSWRD	GOGA_CCSF_OM09	
GOGA0128	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0700	60600.0000000	11NPSWRD	GOGA_CCSF_OM09	
GOGA0128	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	891205	0700	60600.0000000	11NPSWRD	GOGA_CCSF_OM09	
GOGA0128	00480	SALINITY - PARTS PER THOUSAND	891205	0700	40.2000000	11NPSWRD	GOGA_CCSF_OM09	
GOGA0128	00480	SALINITY - PARTS PER THOUSAND	891205	0700	40.8000000	11NPSWRD	GOGA_CCSF_OM09	
GOGA0128	00480	SALINITY - PARTS PER THOUSAND	891205	0700	40.8000000	11NPSWRD	GOGA_CCSF_OM09	
GOGA0128	00480	SALINITY - PARTS PER THOUSAND	891205	0700	40.8000000	11NPSWRD	GOGA_CCSF_OM09	

Water Quality Observations
Outside STORET Edit Criteria for GOGA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
GOGA0139	71900	MERCURY, TOTAL (UG/L AS HG)	960131		330.9000000	11NPSWRD	GOGA_ORION_LCC	
GOGA0211	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	720517	1100	6.1100000	1119REG9	6000200	
GOGA0211	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	720517	1200	5.7100000	1119REG9	6000200	
GOGA0211	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	720731	1435	5.5000000	1119REG9	6000200	
GOGA0246	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	860129	1410	8060.0000000	112WRD	374952122320701	
GOGA0251	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	860624	0950	4300.0000000	11NPSWRD	GOGA_USGS_RL	
GOGA0251	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	870305	0945	7740.0000000	11NPSWRD	GOGA_USGS_RL	
GOGA0251	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	870716	0925	10200.0000000	11NPSWRD	GOGA_USGS_RL	
GOGA0251	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	880322	0900	6270.0000000	11NPSWRD	GOGA_USGS_RL	
GOGA0251	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	880608	0945	6080.0000000	11NPSWRD	GOGA_USGS_RL	
GOGA0262	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	930722	1300	265.0000000	11NPSWRD	GOGA_ICB93_RLF	
GOGA0287	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	720131	0830	6.0000000	1119REG9	6000150	
GOGA0287	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	720223	0830	11.0000000	1119REG9	6000150	
GOGA0287	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	720329	0830	10.5000000	1119REG9	6000150	
GOGA0287	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	720425	0830	11.0000000	1119REG9	6000150	
GOGA0287	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	720523	0830	5.5000000	1119REG9	6000150	
GOGA0287	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	720630	0830	5.5000000	1119REG9	6000150	
GOGA0287	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	720929	0830	5.5000000	1119REG9	6000150	
GOGA0287	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	721027	0830	11.5000000	1119REG9	6000150	
GOGA0287	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	721210	0830	8.5000000	1119REG9	6000150	

APPENDICES

Appendix A

Computer Files Transmitted With

Park Baseline Water Quality Data Inventory and Analysis

The compact disc (CD) accompanying this report includes 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 can use the commonly available shareware program PKUNZIP (or a commercially available program such as WinZip). 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 six 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 six compressed ZIP files listed below.

Included on the CD accompanying this report is a program named PRINTZIP. This program will decompress ZIP files 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.

The following compressed (ZIP) files are included on the CD accompanying this report:

(1) GOGATABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) GOGASITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) GOGAAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) GOGAAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) GOGAOV0.DOC - Overview of park and retrieved data.

(e) GOGAOV1.DOC - Station period of record table.

(f) GOGAOV2.DOC - Parameter period of record table.

(g) GOGAOV3.DOC - Station/parameter period of record table.

(h) GOGAINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) GOGASEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) GOGAEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) GOGAIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) GOGABAD.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 GOGAOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\GOGAOV1.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. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) GOGAFIGS.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 parameter 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 GOGA0001. 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 GOGA0001) 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. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) GOGAPARM.ZIP

This file compresses GOGAPARM.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) GOGASITE.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) GOGAWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) GOGAIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) GOGADRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) GOGAGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) GOGADAMS.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) GOGAMISC.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) GOGAEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) GOGATOC.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) GOGAREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) GOGAWQ - 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 (GOGAWQA, GOGAWQB, GOGAWQC, etc.) and the index map name will end with an ampersand (&).

(g) GOGAIDG - 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 (GOGAIDGA, GOGAIDGB, GOGAIDGC, 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) GOGASEHY - 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 GOGAFIGS.ZIP and GOGATABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in GOGAMISC.ZIP. 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) GOGARF3.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.

Note: RF3 has been supplanted by the National Hydrography Dataset (NHD). For more information on NHD and to download the data for the catalog units (subbasins) encompassing Golden Gate National Recreation Area, visit http://nhd.usgs.gov/.

(7) GOGAWQAA.PDF

This file contains the Adobe Acrobat version of the Golden Gate National Recreation Area Baseline Water Quality Data Inventory and Analysis Report.

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: GOGAPARM.DBF in GOGAPARM.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: GOGAPARM.DBF in GOGAPARM.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: GOGAPARM.DBF in GOGAPARM.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: GOGAWQ.DBF in GOGASITE.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: GOGAWQ.DBF in GOGASITE.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: GOGAIFD.DBF in GOGASITE.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)

Industrial Facilities Discharges File: GOGAIFD.DBF in GOGASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
FDS	230	232	3	Facility Data Source
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)

Industrial Facilities Discharges File: GOGAIFD.DBF in GOGASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)
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: GOGADRIN.DBF in GOGASITE.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

Drinking Water Intakes File: GOGADRIN.DBF in GOGASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
IDAT	262	269	8	Date (mm/dd/yy)
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

Drinking Water Intakes File: GOGADRIN.DBF in GOGASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)
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: GOGAGAGE.DBF in GOGASITE.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.)

Water Gage File: GOGAGAGE.DBF in GOGASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
DUD	205	212	8	Date of Update
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: GOGADAMS.DBF in GOGASITE.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

Water Impoundment File: GOGADAMS.DBF in GOGASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				F=Flood Control
				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)

Water Impoundment File: GOGADAMS.DBF in GOGASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
TSPL	240	240	1	Spillway Type
				C=Controlled
				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)

Water Impoundment File: GOGADAMS.DBF in GOGASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				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
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 GOGARF3.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 GOGARF3.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

RF3 Structure File: 12345678.RF3 and 12345678.DBF in GOGARF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
LL1KEY1	358	367	10	Starting DLG LL Key1
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

RF3 Structure File: 12345678.RF3 and 12345678.DBF in GOGARF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1
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 GOGARF3.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 GOGARF3.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

STORET Code	STORET Parameter Description	High Value	Low Value
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0
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

STORET Code	STORET Parameter Description	High Value	Low Value
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0
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

STORET Code	STORET Parameter Description	High Value	Low Value
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0
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

STORET Code	STORET Parameter Description	High Value	Low Value
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0
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

STORET Code	STORET Parameter Description	High Value	Low Value
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0
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

STORET Code	STORET Parameter Description	High Value	Low Value
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00067	TIDE STAGE
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03605	FLOW METER CALIBRATION, WATER CODE
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47454	FLOW METER REVOLUTIONS NUMBER
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84124	METHOD OF EVACUTAION CODE
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85076	WATER YEAR DATA REFERS TO
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85116	SQUARE YARDS OF SPAWNING AREA IN 1970
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES
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[l]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[l]	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

[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
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical
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[$]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[$]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[$]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[$]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01065	1400[+]	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400[+]	100	75		NICKEL, SUSPENDED	UG/L	Metal
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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	88p	6.0	1500p		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+	5.0s	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041+	0.1s	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018+	1.3a	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+	0.015a	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
7440280	01324	1.4[*]	0.002	2.13[*]		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020[c]			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1[+]	100[s]	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		20[r]			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000[r]			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000[r]			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000[r]			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		8.0[r]			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0[r]			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0[r]			STRONTIUM 90, SUSPENDED	PC/L	Radiological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
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		20[c]			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20[c]			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20[c]			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020[c]			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20[c]			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		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31508		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200[^]	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological
	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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1t			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
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		100t			BROMOFORM, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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	30[p]		7.7[p]		PHENANTHRENE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
85018	34462	30[p]		7.7[p]		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30[p]		7.7[p]		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200[*]		5800[*]		PHENOL, DISSOLVED	UG/L	General Organic
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	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
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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		250[s]			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20[c]			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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
7440020	81752	1400+	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120+	5000s	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+	5000s	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82+	15a	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+	1300a	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120+	5000s	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18+	1300a	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120+	5000s	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50l	TURBIDITY, FIELD	NTU	Physical
	82079				50l	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000s			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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
7440382	82702	360	50	69		ARSENIC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440393	82703		2			BARIUM, FIELD ACIDIFIED, DECANTED, WATER	MG/L	Metal
7440417	82704	130*	4.0			BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440439	82705	3.9+	5.0	43		CADMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440473	82706		100			CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440508	82708	18+	1300[a]	2.9		COPPER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439921	82711	82+	15[a]	220		LEAD, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439976	82713	2.4	2.0	2.1		MERCURY, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	82715	1400[+]	100	75		NICKEL, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440224	82716	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440666	82719	120[+]	5000[s]	95		ZINC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal

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
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440382
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440417
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440439
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440473
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440508
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439921
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439976
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440020
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440224
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440666
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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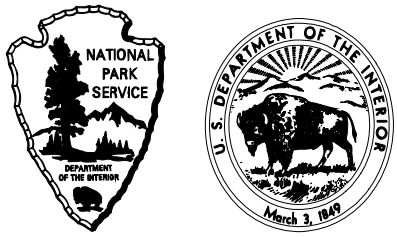
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NPS D-408 March 2005